


































	000	001	002	003	004	005	006	007
0	NUL 0000	DLE 0010	SP 0020	0 0030	@ 0040	P 0050	` 0060	p 0070
1	SOH 0001	DC1 0011	! 0021	1 0031	A 0041	Q 0051	a 0061	q 0071
2	STX 0002	DC2 0012	" 0022	2 0032	B 0042	R 0052	b 0062	r 0072
3	ETX 0003	DC3 0013	# 0023	3 0033	C 0043	S 0053	c 0063	s 0073
4	EOT 0004	DC4 0014	\$ 0024	4 0034	D 0044	T 0054	d 0064	t 0074
5	ENQ 0005	NAK 0015	% 0025	5 0035	E 0045	U 0055	e 0065	u 0075
6	ACK 0006	SYN 0016	& 0026	6 0036	F 0046	V 0056	f 0066	v 0076
7	BEL 0007	ETB 0017	' 0027	7 0037	G 0047	W 0057	g 0067	w 0077
8	BS 0008	CAN 0018	(0028	8 0038	H 0048	X 0058	h 0068	x 0078
9	HT 0009	EM 0019	) 0029	9 0039	I 0049	Y 0059	i 0069	y 0079
A	LF 000A	SUB 001A	* 002A	: 003A	J 004A	Z 005A	j 006A	z 007A
B	VT 000B	ESC 001B	+ 002B	; 003B	K 004B	[005B	k 006B	{ 007B
C	FF 000C	FS 001C	, 002C	< 003C	L 004C	\ 005C	l 006C	| 007C
D	CR 000D	GS 001D	- 002D	= 003D	M 004D	] 005D	m 006D	} 007D
E	SO 000E	RS 001E	. 002E	> 003E	N 004E	^ 005E	n 006E	~ 007E
F	SI 000F	US 001F	/ 002F	? 003F	O 004F	_ 005F	o 006F	DEL 007F

C0 controls









Alias names are those for ISO/IEC 6429:1992. Commonly used alternative aliases are also shown.

0000		<control> = NULL
0001		<control> = START OF HEADING
0002		<control> = START OF TEXT
0003		<control> = END OF TEXT
0004		<control> = END OF TRANSMISSION
0005		<control> = ENQUIRY
0006		<control> = ACKNOWLEDGE
0007		<control> = BELL
0008		<control> = BACKSPACE
0009		<control> = CHARACTER TABULATION = horizontal tabulation (HT), tab
000A		<control> = LINE FEED (LF) = new line (NL), end of line (EOL)
000B		<control> = LINE TABULATION = vertical tabulation (VT)
000C		<control> = FORM FEED (FF)
000D		<control> = CARRIAGE RETURN (CR)
000E		<control> = SHIFT OUT • known as LOCKING-SHIFT ONE in 8-bit environments
000F		<control> = SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments
0010		<control> = DATA LINK ESCAPE
0011		<control> = DEVICE CONTROL ONE
0012		<control> = DEVICE CONTROL TWO
0013		<control> = DEVICE CONTROL THREE
0014		<control> = DEVICE CONTROL FOUR
0015		<control> = NEGATIVE ACKNOWLEDGE
0016		<control> = SYNCHRONOUS IDLE
0017		<control> = END OF TRANSMISSION BLOCK
0018		<control> = CANCEL
0019		<control> = END OF MEDIUM
001A		<control> = SUBSTITUTE → FFFD  replacement character

001B		<control> = ESCAPE
001C		<control> = INFORMATION SEPARATOR FOUR = file separator (FS)
001D		<control> = INFORMATION SEPARATOR THREE = group separator (GS)
001E		<control> = INFORMATION SEPARATOR TWO = record separator (RS)
001F		<control> = INFORMATION SEPARATOR ONE = unit separator (US)

ASCII punctuation and symbols

Based on ISO/IEC 646.

0020		SPACE • sometimes considered a control code • other space characters: 2000  —200A  → 00A0  no-break space → 200B  zero width space → 2060  word joiner → 3000  ideographic space → FEFF  zero width no-break space
0021	!	EXCLAMATION MARK = factorial = bang → 00A1 ¡ inverted exclamation mark → 01C3 ! latin letter retroflex click → 203C !! double exclamation mark → 203D ? interrobang → 2762 ⚡ heavy exclamation mark ornament
0022	"	QUOTATION MARK • neutral (vertical), used as opening or closing quotation mark • preferred characters in English for paired quotation marks are 201C “ & 201D ” → 02BA " modifier letter double prime → 030B ⸀ combining double acute accent → 030E ⸁ combining double vertical line above → 2033 " double prime → 3003 " ditto mark
0023	#	NUMBER SIGN = pound sign, hash, crosshatch, octothorpe → 2114 ℔ l b bar symbol → 266F # music sharp sign
0024	\$	DOLLAR SIGN = milreis, escudo • glyph may have one or two vertical bars • other currency symbol characters: 20A0 ₧ —20B8 ₮ → 00A4 ₭ currency sign → 1F4B2 \$ heavy dollar sign
0025	%	PERCENT SIGN → 066A ٪ arabic percent sign → 2030 ‰ per mille sign → 2031 ‰ per ten thousand sign → 2052 ٪ commercial minus sign
0026	&	AMPERSAND → 204A Ɂ tironian sign et → 214B & turned ampersand

0027	'	APOSTROPHE = apostrophe-quote (1.0) = APL quote • neutral (vertical) glyph with mixed usage • 2019 ' is preferred for apostrophe • preferred characters in English for paired quotation marks are 2018 ‘ & 2019 ’ → 02B9 ´ modifier letter prime → 02BC ´ modifier letter apostrophe → 02C8 ´ modifier letter vertical line → 0301 ́ combining acute accent → 2032 ´ prime → A78C ˆ latin small letter saltillo
0028	(	LEFT PARENTHESIS = opening parenthesis (1.0)
0029	)	RIGHT PARENTHESIS = closing parenthesis (1.0) • see discussion on semantics of paired bracketing characters
002A	*	ASTERISK = star (on phone keypads) → 066D * arabic five pointed star → 204E * low asterisk → 2217 * asterisk operator → 26B9 * sextile → 2731 * heavy asterisk
002B	+	PLUS SIGN → 2795 + heavy plus sign
002C	,	COMMA = decimal separator → 060C ٫ arabic comma → 201A ٫ single low-9 quotation mark → 3001 ٫ ideographic comma
002D	-	HYPHEN-MINUS = hyphen or minus sign • used for either hyphen or minus sign → 2010 - hyphen → 2011 ⎯ non-breaking hyphen → 2012 – figure dash → 2013 – en dash → 2212 – minus sign → 10191 – roman uncia sign
002E	.	FULL STOP = period, dot, decimal point • may be rendered as a raised decimal point in old style numbers → 06D4 ٫ arabic full stop → 3002 ٫ ideographic full stop
002F	/	SOLIDUS = slash, virgule → 01C0 ı latin letter dental click → 0338 ⁄ combining long solidus overlay → 2044 / fraction slash → 2215 / division slash

ASCII digits

0030	0	DIGIT ZERO
0031	1	DIGIT ONE
0032	2	DIGIT TWO
0033	3	DIGIT THREE
0034	4	DIGIT FOUR
0035	5	DIGIT FIVE
0036	6	DIGIT SIX
0037	7	DIGIT SEVEN

0038	8	DIGIT EIGHT
0039	9	DIGIT NINE

ASCII punctuation and symbols

003A	:	COLON → 0589 ։ armenian full stop → 05C3 ։ hebrew punctuation sof pasuq → 2236 ։ ratio → A789 ։ modifier letter colon
003B	;	SEMICOLON • this, and not 037E ;, is the preferred character for 'Greek question mark' → 037E ٫ greek question mark → 061B ٫ arabic semicolon → 204F ٫ reversed semicolon
003C	<	LESS-THAN SIGN → 2039 ‹ single left-pointing angle quotation mark → 2329 ‹ left-pointing angle bracket → 27E8 ‹ mathematical left angle bracket → 3008 ‹ left angle bracket
003D	=	EQUALS SIGN • other related characters: 2241 ≠ –2263 ≡ → 2260 ≠ not equal to → 2261 ≡ identical to → A78A = modifier letter short equals sign → 10190 = roman sextans sign
003E	>	GREATER-THAN SIGN → 203A › single right-pointing angle quotation mark → 232A › right-pointing angle bracket → 27E9 › mathematical right angle bracket → 3009 › right angle bracket
003F	?	QUESTION MARK → 00BF ٫ inverted question mark → 037E ٫ greek question mark → 061F ٫ arabic question mark → 203D ٫ interrobang → 2048 ٫! question exclamation mark → 2049 ٫? exclamation question mark
0040	@	COMMERCIAL AT = at sign

Uppercase Latin alphabet

0041	A	LATIN CAPITAL LETTER A
0042	B	LATIN CAPITAL LETTER B → 212C ℬ script capital b
0043	C	LATIN CAPITAL LETTER C → 2102 Ɔ double-struck capital c → 212D Ɔ black-letter capital c
0044	D	LATIN CAPITAL LETTER D
0045	E	LATIN CAPITAL LETTER E → 2107 Ǝ euler constant → 2130 Ǝ script capital e
0046	F	LATIN CAPITAL LETTER F → 2131 Ƒ script capital f → 2132 Ƒ turned capital f
0047	G	LATIN CAPITAL LETTER G
0048	H	LATIN CAPITAL LETTER H → 210B Ƨ script capital h → 210C Ƨ black-letter capital h → 210D Ƨ double-struck capital h

0049	I	LATIN CAPITAL LETTER I	<ul style="list-style-type: none"> Turkish and Azerbaijani use 0131 ı for lowercase → 0130 İ latin capital letter i with dot above → 0406 І cyrillic capital letter byelorussian-ukrainian i → 04C0 И cyrillic letter palochka → 2110 ℐ script capital i → 2111 ⱦ black-letter capital i → 2160 I roman numeral one
004A	J	LATIN CAPITAL LETTER J	
004B	K	LATIN CAPITAL LETTER K	→ 212A Ⓚ kelvin sign
004C	L	LATIN CAPITAL LETTER L	→ 2112 ℒ script capital l
004D	M	LATIN CAPITAL LETTER M	→ 2133 ℳ script capital m
004E	N	LATIN CAPITAL LETTER N	→ 2115 ℕ double-struck capital n
004F	O	LATIN CAPITAL LETTER O	
0050	P	LATIN CAPITAL LETTER P	→ 2119 ℙ double-struck capital p
0051	Q	LATIN CAPITAL LETTER Q	→ 211A Ⓚ double-struck capital q
0052	R	LATIN CAPITAL LETTER R	→ 211B ℞ script capital r → 211C Ᵽ black-letter capital r → 211D ℞ double-struck capital r
0053	S	LATIN CAPITAL LETTER S	
0054	T	LATIN CAPITAL LETTER T	
0055	U	LATIN CAPITAL LETTER U	
0056	V	LATIN CAPITAL LETTER V	→ 2164 V roman numeral five
0057	W	LATIN CAPITAL LETTER W	
0058	X	LATIN CAPITAL LETTER X	
0059	Y	LATIN CAPITAL LETTER Y	
005A	Z	LATIN CAPITAL LETTER Z	→ 2124 ℤ double-struck capital z → 2128 Ɀ black-letter capital z

ASCII punctuation and symbols

005B	[	LEFT SQUARE BRACKET	= opening square bracket (1.0) <ul style="list-style-type: none"> other bracket characters: 27E6 ⌈ (–27EB ⌋), 2983 ⌊ (–2998 ⌋), 3008 ⌈ (–301B ⌋)
005C	\	REVERSE SOLIDUS	= backslash → 20E5 ⸗ combining reverse solidus overlay → 2216 ∖ set minus
005D	]	RIGHT SQUARE BRACKET	= closing square bracket (1.0)
005E	^	CIRCUMFLEX ACCENT	<ul style="list-style-type: none"> this is a spacing character → 02C4 ^ modifier letter up arrowhead → 02C6 ˆ modifier letter circumflex accent → 0302 ˆ combining circumflex accent → 2038 ^ caret → 2303 ⤴ up arrowhead

005F	_	LOW LINE	= spacing underscore (1.0) <ul style="list-style-type: none"> this is a spacing character → 02CD ̵ modifier letter low macron → 0331 ̶ combining macron below → 0332 ̷ combining low line → 2017 ⸗ double low line
0060	`	GRAVE ACCENT	<ul style="list-style-type: none"> this is a spacing character → 02CB ˘ modifier letter grave accent → 0300 ˆ combining grave accent → 2035 ˘ reversed prime

Lowercase Latin alphabet


0061	a	LATIN SMALL LETTER A	
0062	b	LATIN SMALL LETTER B	
0063	c	LATIN SMALL LETTER C	
0064	d	LATIN SMALL LETTER D	
0065	e	LATIN SMALL LETTER E	→ 212E ē estimated symbol → 212F ℓ script small e
0066	f	LATIN SMALL LETTER F	
0067	g	LATIN SMALL LETTER G	→ 0261 ɡ latin small letter script g → 210A ℒ script small g
0068	h	LATIN SMALL LETTER H	→ 04BB Ӏ cyrillic small letter shha → 210E ℏ planck constant
0069	i	LATIN SMALL LETTER I	<ul style="list-style-type: none"> Turkish and Azerbaijani use 0130 ı for uppercase → 0131 ı latin small letter dotless i → 1D6A4 ı mathematical italic small dotless i
006A	j	LATIN SMALL LETTER J	→ 0237 ĵ latin small letter dotless j → 1D6A5 ĵ mathematical italic small dotless j
006B	k	LATIN SMALL LETTER K	
006C	l	LATIN SMALL LETTER L	→ 2113 ℓ script small l → 1D4C1 ℓ mathematical script small l
006D	m	LATIN SMALL LETTER M	
006E	n	LATIN SMALL LETTER N	→ 207F ⁿ superscript latin small letter n
006F	o	LATIN SMALL LETTER O	→ 2134 ℓ script small o
0070	p	LATIN SMALL LETTER P	
0071	q	LATIN SMALL LETTER Q	
0072	r	LATIN SMALL LETTER R	
0073	s	LATIN SMALL LETTER S	
0074	t	LATIN SMALL LETTER T	
0075	u	LATIN SMALL LETTER U	
0076	v	LATIN SMALL LETTER V	
0077	w	LATIN SMALL LETTER W	
0078	x	LATIN SMALL LETTER X	
0079	y	LATIN SMALL LETTER Y	
007A	z	LATIN SMALL LETTER Z	→ 01B6 ƶ latin small letter z with stroke

ASCII punctuation and symbols

007B	{	LEFT CURLY BRACKET	= opening curly bracket (1.0) = left brace
------	---	--------------------	---

- 007C | **VERTICAL LINE**
 = vertical bar
 • used in pairs to indicate absolute value
 → 01C0 | latin letter dental click
 → 05C0 | hebrew punctuation paseq
 → 2223 | divides
 → 2758 | light vertical bar
- 007D } **RIGHT CURLY BRACKET**
 = closing curly bracket (1.0)
 = right brace
- 007E ~ **TILDE**
 • this is a spacing character
 → 02DC ~ small tilde
 → 0303 ¯ combining tilde
 → 2053 ~ swung dash
 → 223C ~ tilde operator
 → FF5E ~ fullwidth tilde

Control character

- 007F  **<control>**
 = DELETE

	008	009	00A	00B	00C	00D	00E	00F
0	XXX 0080	DCS 0090	NB SP 00A0	◊ 00B0	À 00C0	Ð 00D0	à 00E0	ð 00F0
1	XXX 0081	PU1 0091	¡ 00A1	± 00B1	Á 00C1	Ñ 00D1	á 00E1	ñ 00F1
2	BPH 0082	PU2 0092	¢ 00A2	² 00B2	Â 00C2	Ò 00D2	â 00E2	ò 00F2
3	NBH 0083	STS 0093	£ 00A3	³ 00B3	Ã 00C3	Ó 00D3	ã 00E3	ó 00F3
4	IND 0084	CCH 0094	¤ 00A4	´ 00B4	Ä 00C4	Ô 00D4	ä 00E4	ô 00F4
5	NEL 0085	MW 0095	¥ 00A5	µ 00B5	Å 00C5	Õ 00D5	å 00E5	õ 00F5
6	SSA 0086	SPA 0096	¦ 00A6	¶ 00B6	Æ 00C6	Ö 00D6	æ 00E6	ö 00F6
7	ESA 0087	EPA 0097	§ 00A7	· 00B7	Ç 00C7	× 00D7	ç 00E7	÷ 00F7
8	HTS 0088	SOS 0098	¨ 00A8	¸ 00B8	È 00C8	Ø 00D8	è 00E8	ø 00F8
9	HTJ 0089	XXX 0099	© 00A9	¹ 00B9	É 00C9	Ù 00D9	é 00E9	ù 00F9
A	VTS 008A	SCI 009A	ª 00AA	º 00BA	Ê 00CA	Ú 00DA	ê 00EA	ú 00FA
B	PLD 008B	CSI 009B	« 00AB	» 00BB	Ë 00CB	Û 00DB	ë 00EB	û 00FB
C	PLU 008C	ST 009C	¬ 00AC	¼ 00BC	Ì 00CC	Ü 00DC	ì 00EC	ü 00FC
D	RI 008D	OSC 009D	SHY 00AD	½ 00BD	Í 00CD	Ý 00DD	í 00ED	ý 00FD
E	SS2 008E	PM 009E	® 00AE	¾ 00BE	Î 00CE	ß 00DE	î 00EE	þ 00FE
F	SS3 008F	APC 009F	— 00AF	¿ 00BF	Ï 00CF	ß 00DF	ï 00EF	ÿ 00FF

C1 controls

Alias names are those for ISO/IEC 6429:1992.

0080		<control>
0081		<control>
0082		<control> = BREAK PERMITTED HERE → 200B zero width space
0083		<control> = NO BREAK HERE → 2060 word joiner
0084		<control> • formerly known as INDEX
0085		<control> = NEXT LINE (NEL)
0086		<control> = START OF SELECTED AREA
0087		<control> = END OF SELECTED AREA
0088		<control> = CHARACTER TABULATION SET
0089		<control> = CHARACTER TABULATION WITH JUSTIFICATION
008A		<control> = LINE TABULATION SET
008B		<control> = PARTIAL LINE FORWARD
008C		<control> = PARTIAL LINE BACKWARD
008D		<control> = REVERSE LINE FEED
008E		<control> = SINGLE SHIFT TWO
008F		<control> = SINGLE SHIFT THREE
0090		<control> = DEVICE CONTROL STRING
0091		<control> = PRIVATE USE ONE
0092		<control> = PRIVATE USE TWO
0093		<control> = SET TRANSMIT STATE
0094		<control> = CANCEL CHARACTER
0095		<control> = MESSAGE WAITING
0096		<control> = START OF GUARDED AREA
0097		<control> = END OF GUARDED AREA
0098		<control> = START OF STRING
0099		<control>
009A		<control> = SINGLE CHARACTER INTRODUCER
009B		<control> = CONTROL SEQUENCE INTRODUCER
009C		<control> = STRING TERMINATOR
009D		<control> = OPERATING SYSTEM COMMAND
009E		<control> = PRIVACY MESSAGE

009F <control>
= APPLICATION PROGRAM COMMAND

Latin-1 punctuation and symbols

Based on ISO/IEC 8859-1 (aka Latin-1) from here.

00A0		NO-BREAK SPACE • commonly abbreviated as NBSP → 0020 space → 2007 figure space → 202F narrow no-break space → 2060 word joiner → FEFF zero width no-break space ≈ <noBreak> 0020
00A1	¡	INVERTED EXCLAMATION MARK • Spanish, Asturian, Galician → 0021 ! exclamation mark
00A2	¢	CENT SIGN
00A3	£	POUND SIGN = pound sterling, Irish punt, Italian lira, Turkish lira, etc. → 20A4 lira sign → 10192 roman semuncia sign
00A4	¤	CURRENCY SIGN • other currency symbol characters: 20A0 –20B5 → 0024 \$ dollar sign
00A5	¥	YEN SIGN = yuan sign • glyph may have one or two crossbars
00A6	‡	BROKEN BAR = broken vertical bar (1.0) = parted rule (in typography)
00A7	§	SECTION SIGN • paragraph sign in some European usage
00A8	¨	DIAERESIS • this is a spacing character → 0308 combining diaeresis ≈ 0020 0308
00A9	©	COPYRIGHT SIGN → 2117 sound recording copyright → 24B8 circled latin capital letter c
00AA	ª	FEMININE ORDINAL INDICATOR • Spanish ≈ <super> 0061 a
00AB	«	LEFT-POINTING DOUBLE ANGLE QUOTATION MARK = left guillemet = chevrons (in typography) • usually opening, sometimes closing → 226A « much less-than → 300A « left double angle bracket
00AC	¬	NOT SIGN = angled dash (in typography) → 2310 reversed not sign
00AD		SOFT HYPHEN = discretionary hyphen • commonly abbreviated as SHY
00AE	®	REGISTERED SIGN = registered trade mark sign (1.0) → 24C7 circled latin capital letter r

00AF	¯	MACRON = overline, APL overbar • this is a spacing character → 02C9 ¯ modifier letter macron → 0304 ¯ combining macron → 0305 ¯ combining overline ≈ 0020 sp 0304 ¯
00B0	°	DEGREE SIGN • this is a spacing character → 02DA ° ring above → 030A ° combining ring above → 2070 ° superscript zero → 2218 ° ring operator
00B1	±	PLUS-MINUS SIGN → 2213 ∓ minus-or-plus sign
00B2	²	SUPERSCRIP TWO = squared • other superscript digit characters: 2070 ⁰–2079 ⁹ → 00B9 ¹ superscript one ≈ <super> 0032 2
00B3	³	SUPERSCRIP THREE = cubed → 00B9 ¹ superscript one ≈ <super> 0033 3
00B4	´	ACUTE ACCENT • this is a spacing character → 02B9 ´ modifier letter prime → 02CA ´ modifier letter acute accent → 0301 ´ combining acute accent → 2032 ´ prime ≈ 0020 sp 0301 ´
00B5	μ	MICRO SIGN ≈ 03BC μ greek small letter mu
00B6	¶	PILCROW SIGN = paragraph sign • section sign in some European usage → 204B ¶ reversed pilcrow sign → 2761 ¶ curved stem paragraph sign ornament
00B7	·	MIDDLE DOT = midpoint (in typography) = Georgian comma = Greek middle dot (ano teleia) → 0387 · greek ano teleia → 16EB · runic single punctuation → 2022 · bullet → 2024 · one dot leader → 2027 · hyphenation point → 2219 · bullet operator → 22C5 · dot operator → 2E31 · word separator middle dot → 30FB · katakana middle dot
00B8	¸	CEDILLA • this is a spacing character • other spacing accent characters: 02D8 ¸–02DB ¸ → 0327 ¸ combining cedilla ≈ 0020 sp 0327 ¸
00B9	¹	SUPERSCRIP ONE → 00B2 ² superscript two → 00B3 ³ superscript three ≈ <super> 0031 1

00BA	º	MASCULINE ORDINAL INDICATOR • Spanish ≈ <super> 006F o
00BB	»	RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK = right guillemet • usually closing, sometimes opening → 226B » much greater-than → 300B » right double angle bracket
00BC	¼	VULGAR FRACTION ONE QUARTER • bar may be horizontal or slanted • other fraction characters: 2153 ⅓ –215E ¾ ≈ <fraction> 0031 1 2044/ 0034 4
00BD	½	VULGAR FRACTION ONE HALF • bar may be horizontal or slanted ≈ <fraction> 0031 1 2044/ 0032 2
00BE	¾	VULGAR FRACTION THREE QUARTERS • bar may be horizontal or slanted ≈ <fraction> 0033 3 2044/ 0034 4
00BF	¿	INVERTED QUESTION MARK = turned question mark • Spanish → 003F ? question mark → 2E2E ŕ reversed question mark

Letters

00C0	À	LATIN CAPITAL LETTER A WITH GRAVE ≡ 0041 A 0300 ò
00C1	Á	LATIN CAPITAL LETTER A WITH ACUTE ≡ 0041 A 0301 ó
00C2	Â	LATIN CAPITAL LETTER A WITH CIRCUMFLEX ≡ 0041 A 0302 ô
00C3	Ã	LATIN CAPITAL LETTER A WITH TILDE ≡ 0041 A 0303 õ
00C4	Ä	LATIN CAPITAL LETTER A WITH DIAERESIS ≡ 0041 A 0308 ö
00C5	Å	LATIN CAPITAL LETTER A WITH RING ABOVE → 212B Å angstrom sign ≡ 0041 A 030A ø
00C6	Æ	LATIN CAPITAL LETTER AE = latin capital ligature ae (1.0)
00C7	Ç	LATIN CAPITAL LETTER C WITH CEDILLA ≡ 0043 C 0327 ç
00C8	È	LATIN CAPITAL LETTER E WITH GRAVE ≡ 0045 E 0300 è
00C9	É	LATIN CAPITAL LETTER E WITH ACUTE ≡ 0045 E 0301 é
00CA	Ê	LATIN CAPITAL LETTER E WITH CIRCUMFLEX ≡ 0045 E 0302 ê
00CB	Ë	LATIN CAPITAL LETTER E WITH DIAERESIS ≡ 0045 E 0308 ë
00CC	Ì	LATIN CAPITAL LETTER I WITH GRAVE ≡ 0049 I 0300 ì
00CD	Í	LATIN CAPITAL LETTER I WITH ACUTE ≡ 0049 I 0301 í
00CE	Î	LATIN CAPITAL LETTER I WITH CIRCUMFLEX ≡ 0049 I 0302 î
00CF	Ï	LATIN CAPITAL LETTER I WITH DIAERESIS ≡ 0049 I 0308 ï
00D0	Ð	LATIN CAPITAL LETTER ETH → 00F0 ð latin small letter eth → 0110 Ð latin capital letter d with stroke → 0189 Ð latin capital letter african d

00D1	Ñ	LATIN CAPITAL LETTER N WITH TILDE ≡ 004E N 0303 ñ	00E8	è	LATIN SMALL LETTER E WITH GRAVE ≡ 0065 e 0300 è
00D2	Ò	LATIN CAPITAL LETTER O WITH GRAVE ≡ 004F O 0300 ò	00E9	é	LATIN SMALL LETTER E WITH ACUTE ≡ 0065 e 0301 é
00D3	Ó	LATIN CAPITAL LETTER O WITH ACUTE ≡ 004F O 0301 ó	00EA	ê	LATIN SMALL LETTER E WITH CIRCUMFLEX ≡ 0065 e 0302 ê
00D4	Ô	LATIN CAPITAL LETTER O WITH CIRCUMFLEX ≡ 004F O 0302 ô	00EB	ë	LATIN SMALL LETTER E WITH DIAERESIS ≡ 0065 e 0308 ë
00D5	Õ	LATIN CAPITAL LETTER O WITH TILDE ≡ 004F O 0303 õ	00EC	ì	LATIN SMALL LETTER I WITH GRAVE • Italian, Malagasy ≡ 0069 i 0300 ì
00D6	Ö	LATIN CAPITAL LETTER O WITH DIAERESIS ≡ 004F O 0308 ö	00ED	í	LATIN SMALL LETTER I WITH ACUTE ≡ 0069 i 0301 í
Mathematical operator			00EE	î	LATIN SMALL LETTER I WITH CIRCUMFLEX ≡ 0069 i 0302 î
00D7	×	MULTIPLICATION SIGN = z notation Cartesian product → 274C ✕ cross mark	00EF	ï	LATIN SMALL LETTER I WITH DIAERESIS ≡ 0069 i 0308 ï
Letters			00F0	ð	LATIN SMALL LETTER ETH • Icelandic, Faroese, Old English, IPA → 00D0 Ð latin capital letter eth → 03B4 δ greek small letter delta → 2202 ∂ partial differential
00D8	Ø	LATIN CAPITAL LETTER O WITH STROKE = o slash → 2205 ∅ empty set	00F1	ñ	LATIN SMALL LETTER N WITH TILDE ≡ 006E n 0303 ñ
00D9	Ù	LATIN CAPITAL LETTER U WITH GRAVE ≡ 0055 U 0300 ù	00F2	ò	LATIN SMALL LETTER O WITH GRAVE ≡ 006F o 0300 ò
00DA	Ú	LATIN CAPITAL LETTER U WITH ACUTE ≡ 0055 U 0301 ú	00F3	ó	LATIN SMALL LETTER O WITH ACUTE ≡ 006F o 0301 ó
00DB	Û	LATIN CAPITAL LETTER U WITH CIRCUMFLEX ≡ 0055 U 0302 û	00F4	ô	LATIN SMALL LETTER O WITH CIRCUMFLEX ≡ 006F o 0302 ô
00DC	Ü	LATIN CAPITAL LETTER U WITH DIAERESIS ≡ 0055 U 0308 ü	00F5	õ	LATIN SMALL LETTER O WITH TILDE • Portuguese, Estonian ≡ 006F o 0303 õ
00DD	Ý	LATIN CAPITAL LETTER Y WITH ACUTE ≡ 0059 Y 0301 ý	00F6	ö	LATIN SMALL LETTER O WITH DIAERESIS ≡ 006F o 0308 ö
00DE	Þ	LATIN CAPITAL LETTER THORN	Mathematical operator		
00DF	ß	LATIN SMALL LETTER SHARP S = Eszett • German • uppercase is "SS" • in origin a ligature of 017F f and 0073 s → 03B2 β greek small letter beta → 1E9E Š latin capital letter sharp s	00F7	÷	DIVISION SIGN → 2215 / division slash → 2223 ∣ divides → 2797 ÷ heavy division sign
00E0	à	LATIN SMALL LETTER A WITH GRAVE ≡ 0061 a 0300 à	Letters		
00E1	á	LATIN SMALL LETTER A WITH ACUTE ≡ 0061 a 0301 á	00F8	ø	LATIN SMALL LETTER O WITH STROKE = o slash • Danish, Norwegian, Faroese, IPA
00E2	â	LATIN SMALL LETTER A WITH CIRCUMFLEX ≡ 0061 a 0302 â	00F9	ù	LATIN SMALL LETTER U WITH GRAVE • French, Italian ≡ 0075 u 0300 ù
00E3	ã	LATIN SMALL LETTER A WITH TILDE • Portuguese ≡ 0061 a 0303 ã	00FA	ú	LATIN SMALL LETTER U WITH ACUTE ≡ 0075 u 0301 ú
00E4	ä	LATIN SMALL LETTER A WITH DIAERESIS ≡ 0061 a 0308 ä	00FB	û	LATIN SMALL LETTER U WITH CIRCUMFLEX ≡ 0075 u 0302 û
00E5	å	LATIN SMALL LETTER A WITH RING ABOVE • Danish, Norwegian, Swedish, Walloon ≡ 0061 a 030A å	00FC	ü	LATIN SMALL LETTER U WITH DIAERESIS ≡ 0075 u 0308 ü
00E6	æ	LATIN SMALL LETTER AE = latin small ligature ae (1.0) = ash (from Old English æsc) • Danish, Norwegian, Icelandic, Faroese, Old English, French, IPA → 0153 œ latin small ligature oe → 04D5 æ cyrillic small ligature a ie	00FD	ý	LATIN SMALL LETTER Y WITH ACUTE • Czech, Slovak, Icelandic, Faroese, Welsh, Malagasy ≡ 0079 y 0301 ý
00E7	ç	LATIN SMALL LETTER C WITH CEDILLA ≡ 0063 c 0327 ç	00FE	þ	LATIN SMALL LETTER THORN • Icelandic, Old English, phonetics • Runic letter borrowed into Latin script → 16A6 þ runic letter thurisaz thurs thorn

00FF ÿ LATIN SMALL LETTER Y WITH DIAERESIS

- French, medieval Hungarian orthography

→ 0178 Ÿ latin capital letter y with diaeresis
≡ 0079 y 0308 ö

	010	011	012	013	014	015	016	017
0	Ā 0100	Ð 0110	Ġ 0120	İ 0130	ı· 0140	Ŏ 0150	Š 0160	Ū 0170
1	ā 0101	đ 0111	ġ 0121	ı 0131	Ł 0141	ő 0151	š 0161	ū 0171
2	Ǻ 0102	Ē 0112	Ǵ 0122	IJ 0132	ł 0142	Œ 0152	Ț 0162	Ț 0172
3	ǻ 0103	ē 0113	ǵ 0123	ij 0133	Ń 0143	œ 0153	ț 0163	Ț 0173
4	Ą 0104	Ĕ 0114	Ĥ 0124	Ĵ 0134	ń 0144	Ŕ 0154	Ť 0164	Ŵ 0174
5	ą 0105	ĕ 0115	ĥ 0125	ĵ 0135	Ņ 0145	ŕ 0155	ť 0165	ŵ 0175
6	Ć 0106	Ė 0116	Ħ 0126	Ɔ 0136	ņ 0146	Ŗ 0156	Ʀ 0166	Ŷ 0176
7	ć 0107	ė 0117	ħ 0127	Ʒ 0137	Ň 0147	ŗ 0157	ƣ 0167	ŷ 0177
8	Ĉ 0108	Ę 0118	Ĩ 0128	Ɔ 0138	ň 0148	Ř 0158	Ů 0168	Ÿ 0178
9	ĉ 0109	ę 0119	ĩ 0129	Ł 0139	'n 0149	ř 0159	ů 0169	Ž 0179
A	Ċ 010A	Ě 011A	Ī 012A	Í 013A	Ņ 014A	Ś 015A	Ū 016A	ž 017A
B	ċ 010B	ě 011B	ī 012B	ł 013B	ņ 014B	ś 015B	ū 016B	ž 017B
C	Č 010C	Ĝ 011C	Ĭ 012C	ı 013C	Ō 014C	Ŝ 015C	Ů 016C	ž 017C
D	č 010D	ĝ 011D	ĭ 012D	ł 013D	ō 014D	ŝ 015D	ů 016D	ž 017D
E	Ď 010E	Ǵ 011E	ı 012E	ł 013E	Ŏ 014E	Ş 015E	Ű 016E	ž 017E
F	ď 010F	ǵ 011F	ı 012F	ł 013F	ő 014F	ş 015F	ű 016F	ƒ 017F

European Latin

0100	Ā	LATIN CAPITAL LETTER A WITH MACRON ≡ 0041 A 0304 ̄	0114	Ĕ	LATIN CAPITAL LETTER E WITH BREVE ≡ 0045 E 0306 ̇
0101	ā	LATIN SMALL LETTER A WITH MACRON • Latvian, Latin, ... ≡ 0061 a 0304 ̄	0115	ĕ	LATIN SMALL LETTER E WITH BREVE • Malay, Latin, ... ≡ 0065 e 0306 ̇
0102	Ă	LATIN CAPITAL LETTER A WITH BREVE ≡ 0041 A 0306 ̂	0116	Ě	LATIN CAPITAL LETTER E WITH DOT ABOVE ≡ 0045 E 0307 ̇
0103	ă	LATIN SMALL LETTER A WITH BREVE • Romanian, Vietnamese, Latin, ... ≡ 0061 a 0306 ̂	0117	ė	LATIN SMALL LETTER E WITH DOT ABOVE • Lithuanian ≡ 0065 e 0307 ̇
0104	Ą	LATIN CAPITAL LETTER A WITH OGONEK ≡ 0041 A 0328 ˚	0118	Ę	LATIN CAPITAL LETTER E WITH OGONEK ≡ 0045 E 0328 ˚
0105	ą	LATIN SMALL LETTER A WITH OGONEK • Polish, Lithuanian, ... ≡ 0061 a 0328 ˚	0119	ę	LATIN SMALL LETTER E WITH OGONEK • Polish, Lithuanian, ... ≡ 0065 e 0328 ˚
0106	Ć	LATIN CAPITAL LETTER C WITH ACUTE ≡ 0043 C 0301 ˛	011A	Ě	LATIN CAPITAL LETTER E WITH CARON ≡ 0045 E 030C ̂
0107	ć	LATIN SMALL LETTER C WITH ACUTE • Polish, Croatian, ... → 045B ģ cyrillic small letter tshe ≡ 0063 c 0301 ˛	011B	ě	LATIN SMALL LETTER E WITH CARON • Czech, ... ≡ 0065 e 030C ̂
0108	Ĉ	LATIN CAPITAL LETTER C WITH CIRCUMFLEX ≡ 0043 C 0302 ˆ	011C	Ĝ	LATIN CAPITAL LETTER G WITH CIRCUMFLEX ≡ 0047 G 0302 ˆ
0109	ĉ	LATIN SMALL LETTER C WITH CIRCUMFLEX • Esperanto ≡ 0063 c 0302 ˆ	011D	ĝ	LATIN SMALL LETTER G WITH CIRCUMFLEX • Esperanto ≡ 0067 g 0302 ˆ
010A	Ċ	LATIN CAPITAL LETTER C WITH DOT ABOVE ≡ 0043 C 0307 ˙	011E	Ģ	LATIN CAPITAL LETTER G WITH BREVE ≡ 0047 G 0306 ̇
010B	ċ	LATIN SMALL LETTER C WITH DOT ABOVE • Maltese, Irish Gaelic (old orthography) ≡ 0063 c 0307 ˙	011F	ğ	LATIN SMALL LETTER G WITH BREVE • Turkish, Azerbaijani → 01E7 ğ latin small letter g with caron ≡ 0067 g 0306 ̇
010C	Č	LATIN CAPITAL LETTER C WITH CARON ≡ 0043 C 030C ̂	0120	Ĥ	LATIN CAPITAL LETTER G WITH DOT ABOVE ≡ 0047 G 0307 ˙
010D	č	LATIN SMALL LETTER C WITH CARON • Czech, Slovak, Slovenian, and many other languages ≡ 0063 c 030C ̂	0121	ĥ	LATIN SMALL LETTER G WITH DOT ABOVE • Maltese, Irish Gaelic (old orthography) ≡ 0067 g 0307 ˙
010E	Ď	LATIN CAPITAL LETTER D WITH CARON • the form using caron/hacek is preferred in all contexts ≡ 0044 D 030C ̂	0122	Ģ	LATIN CAPITAL LETTER G WITH CEDILLA ≡ 0047 G 0327 ̣
010F	ď	LATIN SMALL LETTER D WITH CARON • Czech, Slovak • the form using apostrophe is preferred in typesetting ≡ 0064 d 030C ̂	0123	ģ	LATIN SMALL LETTER G WITH CEDILLA • Latvian • there are three major glyph variants ≡ 0067 g 0327 ̣
0110	Ð	LATIN CAPITAL LETTER D WITH STROKE → 00D0 Ð latin capital letter eth → 0111 đ latin small letter d with stroke → 0189 Ð latin capital letter african d	0124	Ĥ	LATIN CAPITAL LETTER H WITH CIRCUMFLEX ≡ 0048 H 0302 ˆ
0111	đ	LATIN SMALL LETTER D WITH STROKE • Croatian, Vietnamese, Sami • an alternate glyph with the stroke through the bowl is used in Americanist orthographies → 0110 Ð latin capital letter d with stroke → 0452 ħ cyrillic small letter dje	0125	ĥ	LATIN SMALL LETTER H WITH CIRCUMFLEX • Esperanto ≡ 0068 h 0302 ˆ
0112	Ē	LATIN CAPITAL LETTER E WITH MACRON ≡ 0045 E 0304 ̄	0126	Ħ	LATIN CAPITAL LETTER H WITH STROKE
0113	ē	LATIN SMALL LETTER E WITH MACRON • Latvian, Latin, ... ≡ 0065 e 0304 ̄	0127	ħ	LATIN SMALL LETTER H WITH STROKE • Maltese, IPA, ... → 045B ħ cyrillic small letter tshe → 210F ħ planck constant over two pi
			0128	Ī	LATIN CAPITAL LETTER I WITH TILDE ≡ 0049 I 0303 ̃
			0129	ĩ	LATIN SMALL LETTER I WITH TILDE • Greenlandic (old orthography) ≡ 0069 i 0303 ̃
			012A	Ī	LATIN CAPITAL LETTER I WITH MACRON ≡ 0049 I 0304 ̄
			012B	ī	LATIN SMALL LETTER I WITH MACRON • Latvian, Latin, ... ≡ 0069 i 0304 ̄

012C	İ	LATIN CAPITAL LETTER I WITH BREVE ≡ 0049 I 0306 ı̇	0140	ḷ	LATIN SMALL LETTER L WITH MIDDLE DOT ≈ 006C l 00B7 · • Catalan legacy compatibility character for ISO/IEC 6937 • preferred representation for Catalan: 006C l 00B7 ·
012D	ı̇	LATIN SMALL LETTER I WITH BREVE • Latin, ... ≡ 0069 ı̇ 0306 ı̇	0141	Ł	LATIN CAPITAL LETTER L WITH STROKE → 023D Ł latin capital letter l with bar
012E	Į	LATIN CAPITAL LETTER I WITH OGONEK ≡ 0049 I 0328 į	0142	ł	LATIN SMALL LETTER L WITH STROKE • Polish, ... → 019A ł latin small letter l with bar
012F	į	LATIN SMALL LETTER I WITH OGONEK • Lithuanian, ... ≡ 0069 į 0328 į	0143	Ń	LATIN CAPITAL LETTER N WITH ACUTE ≡ 004E N 0301 ń
0130	İ̇	LATIN CAPITAL LETTER I WITH DOT ABOVE = i dot • Turkish, Azerbaijani • lowercase is 0069 ı̇ → 0049 I latin capital letter i ≡ 0049 I 0307 ı̇	0144	ń	LATIN SMALL LETTER N WITH ACUTE • Polish, ... ≡ 006E n 0301 ń
0131	ı̇	LATIN SMALL LETTER DOTLESS I • Turkish, Azerbaijani • uppercase is 0049 I → 0069 ı̇ latin small letter i	0145	Ñ	LATIN CAPITAL LETTER N WITH CEDILLA ≡ 004E N 0327 ñ
0132	IJ	LATIN CAPITAL LIGATURE IJ ≈ 0049 I 004A J	0146	ņ	LATIN SMALL LETTER N WITH CEDILLA • Latvian ≡ 006E n 0327 ñ
0133	ij	LATIN SMALL LIGATURE IJ • Dutch ≈ 0069 ı̇ 006A j	0147	Ň	LATIN CAPITAL LETTER N WITH CARON ≡ 004E N 030C ň
0134	Ĵ	LATIN CAPITAL LETTER J WITH CIRCUMFLEX ≡ 004A J 0302 ô	0148	ň	LATIN SMALL LETTER N WITH CARON • Czech, Slovak ≡ 006E n 030C ň
0135	ĵ	LATIN SMALL LETTER J WITH CIRCUMFLEX • Esperanto ≡ 006A j 0302 ô	Deprecated letter		
0136	Ķ	LATIN CAPITAL LETTER K WITH CEDILLA ≡ 004B K 0327 ķ	0149	ˆn	LATIN SMALL LETTER N PRECEDED BY APOSTROPHE = latin small letter apostrophe n (1.0) • this character is deprecated and its use is strongly discouraged • Afrikaans ≈ 02BC ˆ 006E n • legacy compatibility character for ISO/IEC 6937 • uppercase is 02BC ˆ 004E N
0137	ķ	LATIN SMALL LETTER K WITH CEDILLA • Latvian ≡ 006B k 0327 ķ	European Latin		
0138	κ	LATIN SMALL LETTER KRA • Greenlandic (old orthography)	014A	Ŋ	LATIN CAPITAL LETTER ENG • glyph may also have appearance of large form of the small letter
0139	Ĺ	LATIN CAPITAL LETTER L WITH ACUTE ≡ 004C L 0301 ł	014B	ŋ	LATIN SMALL LETTER ENG = engma, angma • Sami, Mende, IPA, ...
013A	ĺ	LATIN SMALL LETTER L WITH ACUTE • Slovak ≡ 006C l 0301 ł	014C	Ō	LATIN CAPITAL LETTER O WITH MACRON ≡ 004F O 0304 ō
013B	Ļ	LATIN CAPITAL LETTER L WITH CEDILLA ≡ 004C L 0327 ļ	014D	ō	LATIN SMALL LETTER O WITH MACRON • Latvian, Latin, ... ≡ 006F o 0304 ō
013C	ļ	LATIN SMALL LETTER L WITH CEDILLA • Latvian ≡ 006C l 0327 ļ	014E	Ŏ	LATIN CAPITAL LETTER O WITH BREVE ≡ 004F O 0306 ȯ
013D	Ľ	LATIN CAPITAL LETTER L WITH CARON • the form using apostrophe is preferred in typesetting ≡ 004C L 030C ľ	014F	ȯ	LATIN SMALL LETTER O WITH BREVE • Latin ≡ 006F o 0306 ȯ
013E	ľ	LATIN SMALL LETTER L WITH CARON • Slovak • the form using apostrophe is preferred in typesetting ≡ 006C l 030C ľ	0150	Ő	LATIN CAPITAL LETTER O WITH DOUBLE ACUTE ≡ 004F O 030B ő
013F	Ĺ	LATIN CAPITAL LETTER L WITH MIDDLE DOT • some fonts show the middle dot inside the L, but the preferred form has the dot following the L ≈ 004C L 00B7 ·	0151	ő	LATIN SMALL LETTER O WITH DOUBLE ACUTE • Hungarian ≡ 006F o 030B ő
			0152	Œ	LATIN CAPITAL LIGATURE OE

0153	œ	LATIN SMALL LIGATURE OE = ethel (from Old English eðel) • French, IPA, Old Icelandic, Old English, ... → 00E6 œ latin small letter ae → 0276 œ latin letter small capital oe	0167	ƚ	LATIN SMALL LETTER T WITH STROKE • Sami
0154	Ř	LATIN CAPITAL LETTER R WITH ACUTE ≡ 0052 R 0301 ó	0168	Ũ	LATIN CAPITAL LETTER U WITH TILDE ≡ 0055 U 0303 õ
0155	ř	LATIN SMALL LETTER R WITH ACUTE • Slovak, ... ≡ 0072 r 0301 ó	0169	ũ	LATIN SMALL LETTER U WITH TILDE • Greenlandic (old orthography) ≡ 0075 u 0303 õ
0156	Ŕ	LATIN CAPITAL LETTER R WITH CEDILLA ≡ 0052 R 0327 ɔ̣	016A	Ū	LATIN CAPITAL LETTER U WITH MACRON ≡ 0055 U 0304 ō
0157	ŗ	LATIN SMALL LETTER R WITH CEDILLA • Livonian ≡ 0072 r 0327 ɔ̣	016B	ū	LATIN SMALL LETTER U WITH MACRON • Latvian, Lithuanian, Latin, ... ≡ 0075 u 0304 ō
0158	Ṛ̌	LATIN CAPITAL LETTER R WITH CARON ≡ 0052 R 030C ǝ	016C	Ů	LATIN CAPITAL LETTER U WITH BREVE ≡ 0055 U 0306 ǘ
0159	ṛ̌	LATIN SMALL LETTER R WITH CARON • Czech, ... ≡ 0072 r 030C ǝ	016D	ů	LATIN SMALL LETTER U WITH BREVE • Latin, Esperanto, ... ≡ 0075 u 0306 ǘ
015A	Ś	LATIN CAPITAL LETTER S WITH ACUTE ≡ 0053 S 0301 ó	016E	Ů̇	LATIN CAPITAL LETTER U WITH RING ABOVE ≡ 0055 U 030A ǚ
015B	ś	LATIN SMALL LETTER S WITH ACUTE • Polish, Indic transliteration, ... ≡ 0073 s 0301 ó	016F	ů̇	LATIN SMALL LETTER U WITH RING ABOVE • Czech, ... ≡ 0075 u 030A ǚ
015C	Ŝ	LATIN CAPITAL LETTER S WITH CIRCUMFLEX ≡ 0053 S 0302 ô	0170	Ű	LATIN CAPITAL LETTER U WITH DOUBLE ACUTE ≡ 0055 U 030B ő
015D	ŝ	LATIN SMALL LETTER S WITH CIRCUMFLEX • Esperanto ≡ 0073 s 0302 ô	0171	ű	LATIN SMALL LETTER U WITH DOUBLE ACUTE • Hungarian ≡ 0075 u 030B ő
015E	Ş	LATIN CAPITAL LETTER S WITH CEDILLA ≡ 0053 S 0327 ɔ̣	0172	Ų	LATIN CAPITAL LETTER U WITH OGONEK ≡ 0055 U 0328 ɥ̣
015F	ş	LATIN SMALL LETTER S WITH CEDILLA • Turkish, Azerbaijani, ... • the character 0219 ş should be used instead for Romanian → 0219 ş latin small letter s with comma below ≡ 0073 s 0327 ɔ̣	0173	ų	LATIN SMALL LETTER U WITH OGONEK • Lithuanian ≡ 0075 u 0328 ɥ̣
0160	Š	LATIN CAPITAL LETTER S WITH CARON ≡ 0053 S 030C ǝ	0174	Ŵ	LATIN CAPITAL LETTER W WITH CIRCUMFLEX ≡ 0057 W 0302 ô
0161	š	LATIN SMALL LETTER S WITH CARON • Czech, Estonian, Finnish, Slovak, and many other languages ≡ 0073 s 030C ǝ	0175	ŵ	LATIN SMALL LETTER W WITH CIRCUMFLEX • Welsh ≡ 0077 w 0302 ô
0162	Ţ	LATIN CAPITAL LETTER T WITH CEDILLA ≡ 0054 T 0327 ɔ̣	0176	Ŷ	LATIN CAPITAL LETTER Y WITH CIRCUMFLEX ≡ 0059 Y 0302 ô
0163	ţ	LATIN SMALL LETTER T WITH CEDILLA • Semitic transliteration, ... • the character 021B ț should be used instead for Romanian → 021B ț latin small letter t with comma below ≡ 0074 t 0327 ɔ̣	0177	ŷ	LATIN SMALL LETTER Y WITH CIRCUMFLEX • Welsh ≡ 0079 y 0302 ô
0164	Ť	LATIN CAPITAL LETTER T WITH CARON • the form using caron/hacek is preferred in all contexts ≡ 0054 T 030C ǝ	0178	ÿ	LATIN CAPITAL LETTER Y WITH DIAERESIS • French, Igbo → 00FF ÿ latin small letter y with diaeresis ≡ 0059 Y 0308 ɵ
0165	ť	LATIN SMALL LETTER T WITH CARON • Czech, Slovak • the form using apostrophe is preferred in typesetting ≡ 0074 t 030C ǝ	0179	Ź	LATIN CAPITAL LETTER Z WITH ACUTE ≡ 005A Z 0301 ó
0166	Ʀ	LATIN CAPITAL LETTER T WITH STROKE	017A	ź	LATIN SMALL LETTER Z WITH ACUTE • Polish, ... ≡ 007A z 0301 ó
			017B	Ż	LATIN CAPITAL LETTER Z WITH DOT ABOVE ≡ 005A Z 0307 ɔ̇
			017C	ż	LATIN SMALL LETTER Z WITH DOT ABOVE • Polish, ... ≡ 007A z 0307 ɔ̇
			017D	Ž	LATIN CAPITAL LETTER Z WITH CARON ≡ 005A Z 030C ǝ
			017E	ž	LATIN SMALL LETTER Z WITH CARON • Czech, Estonian, Finnish, Slovak, Slovenian, and many other languages ≡ 007A z 030C ǝ

- 017F f LATIN SMALL LETTER LONG S
- in common use in Roman types until the 18th century
 - in current use in Fraktur and Gaelic types
- ≈ 0073 s latin small letter s

	018	019	01A	01B	01C	01D	01E	01F	020	021	022	023	024
0	ƒ 0180	ε 0190	Ɔ 01A0	u 01B0	l 01C0	ı 01D0	Ā 01E0	ĵ 01F0	À 0200	Ř 0210	η 0220	Ō 0230	Ʒ 0240
1	Ɓ 0181	Ƒ 0191	σ 01A1	Ʈ 01B1	ll 01C1	Ǿ 01D1	ā 01E1	DZ 01F1	à 0201	ř 0211	đ 0221	ō 0231	Ʒ 0241
2	Б 0182	f 0192	Ϡ 01A2	Ʈ 01B2	‡ 01C2	ǿ 01D2	ĀE 01E2	Dz 01F2	Â 0202	Ŕ 0212	8 0222	Ȳ 0232	Ʒ 0242
3	б 0183	Ƒ 0193	Ϡ 01A3	Ʈ 01B3	! 01C3	Ǿ 01D3	āe 01E3	dz 01F3	â 0203	ŕ 0213	8 0223	ȳ 0233	Ɓ 0243
4	ƒ 0184	Ƴ 0194	Ƒ 01A4	Ƴ 01B4	DŽ 01C4	ǿ 01D4	Ƒ 01E4	Ƒ 01F4	È 0204	Ù 0214	Ʒ 0224	ł 0234	Ʈ 0244
5	ƒ 0185	h 0195	Ƒ 01A5	Ʒ 01B5	Dž 01C5	Ū 01D5	Ƒ 01E5	Ƒ 01F5	è 0205	ù 0215	Ʒ 0225	ŋ 0235	Λ 0245
6	Ɔ 0186	l 0196	Ƒ 01A6	Ʒ 01B6	dž 01C6	ū 01D6	Ƒ 01E6	Ƒ 01F6	Ê 0206	Û 0216	À 0226	ł 0236	Ƒ 0246
7	Ƒ 0187	Ƒ 0197	Ʒ 01A7	Ʒ 01B7	LJ 01C7	Ū 01D7	Ƒ 01E7	Ƒ 01F7	ê 0207	û 0217	à 0227	Ʒ 0237	Ƒ 0247
8	Ƒ 0188	Ƒ 0198	Ʒ 01A8	Ʒ 01B8	Lj 01C8	ú 01D8	Ƒ 01E8	Ƒ 01F8	Ë 0208	Û 0218	Ş 0228	Ƒ 0238	Ƒ 0248
9	Ƒ 0189	Ƒ 0199	Ʒ 01A9	Ʒ 01B9	lj 01C9	Ū 01D9	Ƒ 01E9	Ƒ 01F9	ë 0209	Û 0219	ş 0229	Ƒ 0239	Ƒ 0249
A	Ƒ 018A	Ƒ 019A	Ƒ 01AA	Ʒ 01BA	NJ 01CA	ǿ 01DA	Ƒ 01EA	Á 01FA	Î 020A	Ƒ 021A	Ö 022A	Ƒ 023A	Ƒ 024A
B	Ƒ 018B	Ƒ 019B	Ƒ 01AB	Ʒ 01BB	Nj 01CB	Ū 01DB	Ƒ 01EB	á 01FB	î 020B	Ƒ 021B	ö 022B	Ƒ 023B	Ƒ 024B
C	Ƒ 018C	Ƒ 019C	Ƒ 01AC	Ʒ 01BC	nj 01CC	ǿ 01DC	Ƒ 01EC	ÁE 01FC	Ò 020C	Ʒ 021C	Ö 022C	Ƒ 023C	Ƒ 024C
D	Ƒ 018D	Ƒ 019D	Ƒ 01AD	Ʒ 01BD	Ǻ 01CD	ə 01DD	Ƒ 01ED	áe 01FD	ò 020D	Ʒ 021D	ö 022D	Ƒ 023D	Ƒ 024D
E	Ƒ 018E	η 019E	Ƒ 01AE	Ƒ 01BE	Ǻ 01CE	Ā 01DE	Ǻ 01EE	Ø 01FE	Ô 020E	Ĥ 021E	Ò 022E	Ƒ 023E	Ƒ 024E
F	Ƒ 018F	Θ 019F	Ƒ 01AF	Ƒ 01BF	Ǻ 01CF	ā 01DF	Ǻ 01EF	ø 01FF	ô 020F	ĥ 021F	ò 022F	Ƒ 023F	Ƒ 024F

Non-European and historic Latin

- 0180 **ɸ** LATIN SMALL LETTER B WITH STROKE
- Americanist and Indo-Europeanist usage for phonetic beta
 - Americanist orthographies use an alternate glyph with the stroke through the bowl
 - Old Saxon
 - uppercase is 0243 **B**
 - 03B2 **β** greek small letter beta
 - 2422 **ɸ** blank symbol
- 0181 **Ɓ** LATIN CAPITAL LETTER B WITH HOOK
- Zulu, Pan-Nigerian alphabet
 - lowercase is 0253 **ɓ**
- 0182 **Ɔ** LATIN CAPITAL LETTER B WITH TOPBAR
- 0183 **ɔ̣** LATIN SMALL LETTER B WITH TOPBAR
- Zhuang (old orthography)
 - former Soviet minority language scripts
 - 0411 **Б** cyrillic capital letter be
- 0184 **ɸ̣** LATIN CAPITAL LETTER TONE SIX
- 0185 **ɸ̣** LATIN SMALL LETTER TONE SIX
- Zhuang (old orthography)
 - Zhuang tone three is Cyrillic ze
 - Zhuang tone four is Cyrillic che
 - 01A8 **ɸ̣** latin small letter tone two
 - 01BD **ɸ̣** latin small letter tone five
 - 0437 **ɸ̣** cyrillic small letter ze
 - 0447 **ɸ̣** cyrillic small letter che
 - 044C **ɸ̣** cyrillic small letter soft sign
- 0186 **Ɔ** LATIN CAPITAL LETTER OPEN O
- typographically a turned C
 - African
 - lowercase is 0254 **ɔ̣**
- 0187 **Ɔ̣** LATIN CAPITAL LETTER C WITH HOOK
- 0188 **ɔ̣̣** LATIN SMALL LETTER C WITH HOOK
- African
- 0189 **Ɖ** LATIN CAPITAL LETTER AFRICAN D
- Ewe
 - lowercase is 0256 **ɖ**
 - 00D0 **Ɖ** latin capital letter eth
 - 0110 **Ɖ** latin capital letter d with stroke
- 018A **Ɗ** LATIN CAPITAL LETTER D WITH HOOK
- Pan-Nigerian alphabet
 - lowercase is 0257 **ɗ**
- 018B **Ɗ̣** LATIN CAPITAL LETTER D WITH TOPBAR
- 018C **ɗ̣** LATIN SMALL LETTER D WITH TOPBAR
- former-Soviet minority language scripts
 - Zhuang (old orthography)
- 018D **ɔ̣** LATIN SMALL LETTER TURNED DELTA
- = reversed Polish-hook o
 - archaic phonetic for labialized alveolar fricative
 - recommended spellings 007A **ɔ̣** 02B7 **ɔ̣** or 007A **ɔ̣** 032B **ɔ̣**
- 018E **Ǝ** LATIN CAPITAL LETTER REVERSED E
- = turned e
 - Pan-Nigerian alphabet
 - lowercase is 01DD **ɛ̣**
- 018F **Ǝ̣** LATIN CAPITAL LETTER SCHWA
- Azerbaijani, ...
 - lowercase is 0259 **ɛ̣**
 - 04D8 **Ǝ̣** cyrillic capital letter schwa
- 0190 **Ɛ** LATIN CAPITAL LETTER OPEN E
- = epsilon
 - African
 - lowercase is 025B **ɛ**
 - 2107 **Ɛ** euler constant
- 0191 **Ɔ̣** LATIN CAPITAL LETTER F WITH HOOK
- African
- 0192 **Ɔ̣** LATIN SMALL LETTER F WITH HOOK
- = script f
 - = Florin currency symbol (Netherlands)
 - = function symbol
 - used as abbreviation convention for folder
- 0193 **Ɔ̣** LATIN CAPITAL LETTER G WITH HOOK
- African
 - lowercase is 0260 **Ɔ̣**
- 0194 **Ɔ̣** LATIN CAPITAL LETTER GAMMA
- African
 - lowercase is 0263 **Ɔ̣**
- 0195 **ɸ̣** LATIN SMALL LETTER HV
- Gothic transliteration
 - uppercase is 01F6 **ɸ̣**
- 0196 **ɸ̣** LATIN CAPITAL LETTER IOTA
- African
 - lowercase is 0269 **ɸ̣**
- 0197 **ɸ̣** LATIN CAPITAL LETTER I WITH STROKE
- = barred i, i bar
 - African
 - lowercase is 0268 **ɸ̣**
 - ISO 6438 gives lowercase as 026A **ɸ̣**, not 0268 **ɸ̣**
 - 026A **ɸ̣** latin letter small capital i
- 0198 **Ɔ̣** LATIN CAPITAL LETTER K WITH HOOK
- 0199 **Ɔ̣** LATIN SMALL LETTER K WITH HOOK
- Hausa, Pan-Nigerian alphabet
- 019A **ɸ̣** LATIN SMALL LETTER L WITH BAR
- = barred l
 - Americanist phonetic usage for 026C **ɸ̣**
 - uppercase is 023D **Ɔ̣**
 - 0142 **ɸ̣** latin small letter l with stroke
- 019B **λ̣** LATIN SMALL LETTER LAMBDA WITH STROKE
- = barred lambda, lambda bar
 - Americanist phonetic usage
- 019C **Ɔ̣** LATIN CAPITAL LETTER TURNED M
- Zhuang (old orthography)
 - lowercase is 026F **Ɔ̣**
- 019D **Ɔ̣** LATIN CAPITAL LETTER N WITH LEFT HOOK
- African
 - lowercase is 0272 **Ɔ̣**
- 019E **ɸ̣** LATIN SMALL LETTER N WITH LONG RIGHT LEG
- archaic phonetic for Japanese 3093 **ɸ̣**
 - recommended spelling for syllabic n is 006E **ɸ̣** 0329 **ɸ̣**
 - Lakota (indicates nasalization of vowel)
 - uppercase is 0220 **ɸ̣**
- 019F **Ɔ̣** LATIN CAPITAL LETTER O WITH MIDDLE TILDE
- = barred o, o bar
 - lowercase is 0275 **Ɔ̣**
 - African
 - 04E8 **Ɔ̣** cyrillic capital letter barred o
- 01A0 **Ɔ̣** LATIN CAPITAL LETTER O WITH HORN
- ≡ 004F **Ɔ̣** 031B **Ɔ̣**
- 01A1 **Ɔ̣** LATIN SMALL LETTER O WITH HORN
- Vietnamese
 - ≡ 006F **Ɔ̣** 031B **Ɔ̣**

01A2	Ō	LATIN CAPITAL LETTER OI × LATIN CAPITAL LETTER GHA	01B6	z̄	LATIN SMALL LETTER Z WITH STROKE = barred z, z bar • Pan-Turkic Latin orthography • handwritten variant of Latin "z" → 007A z latin small letter z
01A3	ō	LATIN SMALL LETTER OI × LATIN SMALL LETTER GHA • Pan-Turkic Latin alphabets	01B7	Ʒ	LATIN CAPITAL LETTER EZH • African, Skolt Sami • lowercase is 0292 Ʒ → 021C Ʒ latin capital letter yogh → 04E0 Ʒ cyrillic capital letter abkhasian dze
01A4	Ɔ	LATIN CAPITAL LETTER P WITH HOOK	01B8	Ʒ̄	LATIN CAPITAL LETTER EZH REVERSED
01A5	ɸ	LATIN SMALL LETTER P WITH HOOK • African	01B9	Ʒ̅	LATIN SMALL LETTER EZH REVERSED • archaic phonetic for voiced pharyngeal fricative • sometimes typographically rendered with a turned digit 3 • recommended spelling 0295 Ʒ̅ → 0295 Ʒ̅ latin letter pharyngeal voiced fricative → 0639 Ʒ̅ arabic letter ain
01A6	ᚱ	LATIN LETTER YR • Old Norse • from German Standard DIN 31624 and ISO 5426-2 • lowercase is 0280 ᚱ	01BA	Ʒ̆	LATIN SMALL LETTER EZH WITH TAIL • archaic phonetic for labialized voiced palatoalveolar or palatal fricative • Twi • recommended spellings 0292 Ʒ̆ 02B7 ^w or 006A j̆ 02B7 ^w
01A7	Ȥ	LATIN CAPITAL LETTER TONE TWO	01BB	ɹ	LATIN LETTER TWO WITH STROKE • archaic phonetic for [dz] affricate • recommended spellings 0292 ɹ or 0064 d̄ 007A z̄
01A8	ȥ	LATIN SMALL LETTER TONE TWO • Zhuang (old orthography) • typographically a reversed S → 0185 ȥ latin small letter tone six	01BC	Ɔ̄	LATIN CAPITAL LETTER TONE FIVE
01A9	Σ	LATIN CAPITAL LETTER ESH • African • lowercase is 0283 Ʒ̆ → 03A3 Σ greek capital letter sigma	01BD	Ɔ̅	LATIN SMALL LETTER TONE FIVE • Zhuang (old orthography) → 0185 ȥ latin small letter tone six
01AA	ɻ	LATIN LETTER REVERSED ESH LOOP • archaic phonetic for labialized palatoalveolar or palatal fricative • Twi • recommended spellings 0283 Ʒ̆ 02B7 ^w , 00E7 ɻ̅ 02B7 ^w , 0068 h̅ 0265 ɻ̅, etc.	01BE	ʂ	LATIN LETTER INVERTED GLOTTAL STOP WITH STROKE • archaic phonetic for [ts] affricate • recommended spelling 0074 t̄ 0073 s̄ • letter form is actually derived from ligation of ts, rather than inverted glottal stop
01AB	ɥ	LATIN SMALL LETTER T WITH PALATAL HOOK • archaic phonetic for palatalized alveolar or dental stop • recommended spelling 0074 t̄ 02B2 j̄	01BF	Ƶ	LATIN LETTER WYNN = wen • Runic letter borrowed into Latin script • replaced by "w" in modern transcriptions of Old English • uppercase is 01F7 Ƶ → 16B9 Ƶ runic letter wunjo wynn w
01AC	Ƨ	LATIN CAPITAL LETTER T WITH HOOK • a glyph variant with hook at the right also occurs	African letters for clicks		
01AD	Ƨ̄	LATIN SMALL LETTER T WITH HOOK • African	01C0	ǀ	LATIN LETTER DENTAL CLICK = pipe • Khoisan tradition • "c" in Zulu orthography → 002F / solidus → 007C ǀ vertical line → 0287 ǀ latin small letter turned t → 2223 ǀ divides
01AE	Ƨ̅	LATIN CAPITAL LETTER T WITH RETROFLEX HOOK • African • lowercase is 0288 Ƨ̅	01C1	ǁ	LATIN LETTER LATERAL CLICK = double pipe • Khoisan tradition • "x" in Zulu orthography → 0296 ǁ latin letter inverted glottal stop → 2225 ǁ parallel to
01AF	Ƨ̆	LATIN CAPITAL LETTER U WITH HORN ≡ 0055 Ƨ̆ 031B Ƨ̆			
01B0	Ƨ̅̄	LATIN SMALL LETTER U WITH HORN • Vietnamese ≡ 0075 Ƨ̅̄ 031B Ƨ̅̄			
01B1	Ƨ̇	LATIN CAPITAL LETTER UPSILON • African • typographically based on turned capital Greek omega • lowercase is 028A Ƨ̇ → 2127 Ƨ̇ inverted ohm sign			
01B2	Ƨ̈	LATIN CAPITAL LETTER V WITH HOOK = script v • African • lowercase is 028B Ƨ̈			
01B3	Ƨ̉	LATIN CAPITAL LETTER Y WITH HOOK • a glyph variant with hook at the left also occurs			
01B4	Ƨ̊	LATIN SMALL LETTER Y WITH HOOK • Bini, Esoko, and other Edo languages in West Africa			
01B5	Ƨ̋	LATIN CAPITAL LETTER Z WITH STROKE			

01C2	‡	LATIN LETTER ALVEOLAR CLICK = double-barred pipe = palatoalveolar click (IPA) • Khoisan tradition → 2260 ≠ not equal to	01D6	ü	LATIN SMALL LETTER U WITH DIAERESIS AND MACRON • Pinyin first tone ≡ 00FC ü 0304 ̄
01C3	!	LATIN LETTER RETROFLEX CLICK = latin letter exclamation mark (1.0) = (post)alveolar click (IPA) • Khoisan tradition • “q” in Zulu orthography → 0021 ! exclamation mark → 0297 ċ latin letter stretched c	01D7	Û	LATIN CAPITAL LETTER U WITH DIAERESIS AND ACUTE ≡ 00DC Û 0301 ́
Croatian digraphs matching Serbian Cyrillic letters			01D8	ú	LATIN SMALL LETTER U WITH DIAERESIS AND ACUTE • Pinyin second tone ≡ 00FC ü 0301 ́
01C4	DŽ	LATIN CAPITAL LETTER DZ WITH CARON ≈ 0044 D 017D Ž	01D9	Ů	LATIN CAPITAL LETTER U WITH DIAERESIS AND CARON ≡ 00DC Ů 030C ̂
01C5	Dž	LATIN CAPITAL LETTER D WITH SMALL LETTER Z WITH CARON ≈ 0044 D 017E ž	01DA	ů	LATIN SMALL LETTER U WITH DIAERESIS AND CARON • Pinyin third tone ≡ 00FC ü 030C ̂
01C6	dž	LATIN SMALL LETTER DZ WITH CARON → 045F ђ cyrillic small letter dzhe ≈ 0064 d 017E ž	01DB	Ů	LATIN CAPITAL LETTER U WITH DIAERESIS AND GRAVE ≡ 00DC Ů 0300 ̀
01C7	LJ	LATIN CAPITAL LETTER LJ ≈ 004C L 004A J	01DC	ù	LATIN SMALL LETTER U WITH DIAERESIS AND GRAVE • Pinyin fourth tone ≡ 00FC ü 0300 ̀
01C8	Lj	LATIN CAPITAL LETTER L WITH SMALL LETTER J ≈ 004C L 006A j	Phonetic and historic letters		
01C9	lj	LATIN SMALL LETTER LJ → 0459 љ cyrillic small letter lje ≈ 006C l 006A j	01DD	ə	LATIN SMALL LETTER TURNED E • Pan-Nigerian alphabet • all other usages of schwa are 0259 ə • uppercase is 018E Ę → 0259 ə latin small letter schwa
01CA	NJ	LATIN CAPITAL LETTER NJ ≈ 004E N 004A J	01DE	Ā	LATIN CAPITAL LETTER A WITH DIAERESIS AND MACRON ≡ 00C4 Ā 0304 ̄
01CB	Nj	LATIN CAPITAL LETTER N WITH SMALL LETTER J ≈ 004E N 006A j	01DF	ā	LATIN SMALL LETTER A WITH DIAERESIS AND MACRON • Livonian, Uralicist usage ≡ 00E4 ā 0304 ̄
01CC	nj	LATIN SMALL LETTER NJ → 045A њ cyrillic small letter nje ≈ 006E n 006A j	01E0	Ā	LATIN CAPITAL LETTER A WITH DOT ABOVE AND MACRON ≡ 0226 Ā 0304 ̇
Pinyin diacritic-vowel combinations			01E1	ā	LATIN SMALL LETTER A WITH DOT ABOVE AND MACRON • Uralicist usage ≡ 0227 ā 0304 ̇
01CD	Ā	LATIN CAPITAL LETTER A WITH CARON ≡ 0041 Ā 030C ̂	01E2	Æ	LATIN CAPITAL LETTER AE WITH MACRON ≡ 00C6 Æ 0304 ̄
01CE	ā	LATIN SMALL LETTER A WITH CARON • Pinyin third tone ≡ 0061 a 030C ̂	01E3	æ	LATIN SMALL LETTER AE WITH MACRON • Old Norse, Old English ≡ 00E6 æ 0304 ̄
01CF	Ī	LATIN CAPITAL LETTER I WITH CARON ≡ 0049 Ī 030C ̂	01E4	Ġ	LATIN CAPITAL LETTER G WITH STROKE
01D0	ī	LATIN SMALL LETTER I WITH CARON • Pinyin third tone ≡ 0069 i 030C ̂	01E5	ġ	LATIN SMALL LETTER G WITH STROKE • Skolt Sami
01D1	Ŏ	LATIN CAPITAL LETTER O WITH CARON ≡ 004F Ŏ 030C ̂	01E6	Ģ	LATIN CAPITAL LETTER G WITH CARON ≡ 0047 Ģ 030C ̂
01D2	ō	LATIN SMALL LETTER O WITH CARON • Pinyin third tone ≡ 006F o 030C ̂	01E7	ģ	LATIN SMALL LETTER G WITH CARON • Skolt Sami → 011F ģ latin small letter g with breve ≡ 0067 g 030C ̂
01D3	Ū	LATIN CAPITAL LETTER U WITH CARON ≡ 0055 Ū 030C ̂	01E8	Ķ	LATIN CAPITAL LETTER K WITH CARON ≡ 004B Ķ 030C ̂
01D4	ū	LATIN SMALL LETTER U WITH CARON • Pinyin third tone ≡ 0075 u 030C ̂	01E9	ķ	LATIN SMALL LETTER K WITH CARON • Skolt Sami ≡ 006B k 030C ̂
01D5	Ū	LATIN CAPITAL LETTER U WITH DIAERESIS AND MACRON ≡ 00DC Ū 0304 ̄			

01EA	Œ	LATIN CAPITAL LETTER O WITH OGONEK ≡ 004F Œ 0328 ǫ
01EB	œ	LATIN SMALL LETTER O WITH OGONEK • Sami, Iroquoian, Old Icelandic ≡ 006F œ 0328 ǫ
01EC	Ȫ	LATIN CAPITAL LETTER O WITH OGONEK AND MACRON ≡ 01EA Œ 0304 ǫ
01ED	ȫ	LATIN SMALL LETTER O WITH OGONEK AND MACRON • Old Icelandic ≡ 01EB œ 0304 ǫ
01EE	Ž	LATIN CAPITAL LETTER EZH WITH CARON ≡ 01B7 Ž 030C ǫ
01EF	ž	LATIN SMALL LETTER EZH WITH CARON • Skolt Sami ≡ 0292 ž 030C ǫ
01F0	ǰ	LATIN SMALL LETTER J WITH CARON • IPA and many languages ≡ 006A j 030C ǫ
01F1	DZ	LATIN CAPITAL LETTER DZ ≈ 0044 D 005A Z
01F2	Dz	LATIN CAPITAL LETTER D WITH SMALL LETTER Z ≈ 0044 D 007A z
01F3	dz	LATIN SMALL LETTER DZ ≈ 0064 d 007A z
01F4	Ǧ	LATIN CAPITAL LETTER G WITH ACUTE ≡ 0047 G 0301 ǫ
01F5	ǧ	LATIN SMALL LETTER G WITH ACUTE • Macedonian and Serbian transliteration ≡ 0067 g 0301 ǫ
01F6	Ħ	LATIN CAPITAL LETTER HWAIR • lowercase is 0195 ħ
01F7	Ʒ	LATIN CAPITAL LETTER WYNN = wen • lowercase is 01BF Ʒ
01F8	Ñ	LATIN CAPITAL LETTER N WITH GRAVE ≡ 004E Ñ 0300 ǫ
01F9	ñ	LATIN SMALL LETTER N WITH GRAVE • Pinyin ≡ 006E n 0300 ǫ
01FA	Å	LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE ≡ 00C5 Å 0301 ǫ
01FB	å	LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE ≡ 00E5 å 0301 ǫ
01FC	Æ	LATIN CAPITAL LETTER AE WITH ACUTE ≡ 00C6 Æ 0301 ǫ
01FD	æ	LATIN SMALL LETTER AE WITH ACUTE ≡ 00E6 æ 0301 ǫ
01FE	Ø	LATIN CAPITAL LETTER O WITH STROKE AND ACUTE ≡ 00D8 Ø 0301 ǫ
01FF	ø	LATIN SMALL LETTER O WITH STROKE AND ACUTE ≡ 00F8 ø 0301 ǫ

Additions for Slovenian and Croatian

0200	À	LATIN CAPITAL LETTER A WITH DOUBLE GRAVE ≡ 0041 A 030F ǫ
0201	à	LATIN SMALL LETTER A WITH DOUBLE GRAVE ≡ 0061 a 030F ǫ

0202	Â	LATIN CAPITAL LETTER A WITH INVERTED BREVE ≡ 0041 A 0311 ǫ
0203	â	LATIN SMALL LETTER A WITH INVERTED BREVE ≡ 0061 a 0311 ǫ
0204	Ë	LATIN CAPITAL LETTER E WITH DOUBLE GRAVE ≡ 0045 E 030F ǫ
0205	ë	LATIN SMALL LETTER E WITH DOUBLE GRAVE ≡ 0065 e 030F ǫ
0206	Ê	LATIN CAPITAL LETTER E WITH INVERTED BREVE ≡ 0045 E 0311 ǫ
0207	ê	LATIN SMALL LETTER E WITH INVERTED BREVE ≡ 0065 e 0311 ǫ
0208	Ï	LATIN CAPITAL LETTER I WITH DOUBLE GRAVE ≡ 0049 I 030F ǫ
0209	ï	LATIN SMALL LETTER I WITH DOUBLE GRAVE ≡ 0069 i 030F ǫ
020A	Î	LATIN CAPITAL LETTER I WITH INVERTED BREVE ≡ 0049 I 0311 ǫ
020B	î	LATIN SMALL LETTER I WITH INVERTED BREVE ≡ 0069 i 0311 ǫ
020C	Ï	LATIN CAPITAL LETTER O WITH DOUBLE GRAVE ≡ 004F O 030F ǫ
020D	ö	LATIN SMALL LETTER O WITH DOUBLE GRAVE ≡ 006F o 030F ǫ
020E	Ô	LATIN CAPITAL LETTER O WITH INVERTED BREVE ≡ 004F O 0311 ǫ
020F	ô	LATIN SMALL LETTER O WITH INVERTED BREVE ≡ 006F o 0311 ǫ
0210	Ï	LATIN CAPITAL LETTER R WITH DOUBLE GRAVE ≡ 0052 R 030F ǫ
0211	ï	LATIN SMALL LETTER R WITH DOUBLE GRAVE ≡ 0072 r 030F ǫ
0212	Ŕ	LATIN CAPITAL LETTER R WITH INVERTED BREVE ≡ 0052 R 0311 ǫ
0213	ŕ	LATIN SMALL LETTER R WITH INVERTED BREVE ≡ 0072 r 0311 ǫ
0214	Û	LATIN CAPITAL LETTER U WITH DOUBLE GRAVE ≡ 0055 U 030F ǫ
0215	ü	LATIN SMALL LETTER U WITH DOUBLE GRAVE ≡ 0075 u 030F ǫ
0216	Û	LATIN CAPITAL LETTER U WITH INVERTED BREVE ≡ 0055 U 0311 ǫ
0217	ü	LATIN SMALL LETTER U WITH INVERTED BREVE ≡ 0075 u 0311 ǫ

Additions for Romanian

0218	Ș	LATIN CAPITAL LETTER S WITH COMMA BELOW ≡ 0053 S 0326 ǫ
0219	ș	LATIN SMALL LETTER S WITH COMMA BELOW • Romanian → 015F ș latin small letter s with cedilla ≡ 0073 s 0326 ǫ
021A	Ț	LATIN CAPITAL LETTER T WITH COMMA BELOW ≡ 0054 T 0326 ǫ
021B	ț	LATIN SMALL LETTER T WITH COMMA BELOW • Romanian → 0163 ț latin small letter t with cedilla ≡ 0074 t 0326 ǫ

Miscellaneous additions

021C	Ʒ	LATIN CAPITAL LETTER YOGH → 01B7 Ʒ latin capital letter ezh
021D	ʒ	LATIN SMALL LETTER YOGH • Middle English, Scots → 0292 ʒ latin small letter ezh → 1D79 ʒ latin small letter insular g
021E	Ĥ	LATIN CAPITAL LETTER H WITH CARON ≡ 0048 H 030C ĥ
021F	ĥ	LATIN SMALL LETTER H WITH CARON • Finnish Romany ≡ 0068 h 030C ĥ
0220	Ŋ	LATIN CAPITAL LETTER N WITH LONG RIGHT LEG • Lakota • lowercase is 019E ŋ
0221	Ʉ	LATIN SMALL LETTER D WITH CURL • phonetic use in Sinology
0222	Œ	LATIN CAPITAL LETTER OU
0223	œ	LATIN SMALL LETTER OU • Algonquin, Huron → 0038 8 digit eight
0224	Ƶ	LATIN CAPITAL LETTER Z WITH HOOK
0225	ƶ	LATIN SMALL LETTER Z WITH HOOK • Middle High German
0226	Ā	LATIN CAPITAL LETTER A WITH DOT ABOVE ≡ 0041 A 0307 ā
0227	ā	LATIN SMALL LETTER A WITH DOT ABOVE • Uralicist usage ≡ 0061 a 0307 ā
0228	Ě	LATIN CAPITAL LETTER E WITH CEDILLA ≡ 0045 E 0327 ě
0229	ě	LATIN SMALL LETTER E WITH CEDILLA ≡ 0065 e 0327 ě

Additions for Livonian

022A	Ȫ	LATIN CAPITAL LETTER O WITH DIAERESIS AND MACRON ≡ 00D6 Ō 0304 Ȫ
022B	ȫ	LATIN SMALL LETTER O WITH DIAERESIS AND MACRON ≡ 00F6 ö 0304 ȫ
022C	Ȭ	LATIN CAPITAL LETTER O WITH TILDE AND MACRON ≡ 00D5 Ō 0304 Ȭ
022D	ȭ	LATIN SMALL LETTER O WITH TILDE AND MACRON ≡ 00F5 ö 0304 ȭ
022E	Ȯ	LATIN CAPITAL LETTER O WITH DOT ABOVE ≡ 004F Ō 0307 Ȯ
022F	ȯ	LATIN SMALL LETTER O WITH DOT ABOVE ≡ 006F o 0307 ȯ
0230	Ȱ	LATIN CAPITAL LETTER O WITH DOT ABOVE AND MACRON ≡ 022E Ō 0304 Ȱ
0231	ȱ	LATIN SMALL LETTER O WITH DOT ABOVE AND MACRON ≡ 022F ö 0304 ȱ
0232	Ȳ	LATIN CAPITAL LETTER Y WITH MACRON ≡ 0059 Ÿ 0304 Ȳ
0233	ȳ	LATIN SMALL LETTER Y WITH MACRON • also Cornish ≡ 0079 y 0304 ȳ

Additions for Sinology

0234	ɀ	LATIN SMALL LETTER L WITH CURL
0235	Ɂ	LATIN SMALL LETTER N WITH CURL
0236	ɂ	LATIN SMALL LETTER T WITH CURL

Miscellaneous additions

0237	Ƀ	LATIN SMALL LETTER DOTLESS J → 1D6A5 Ƀ mathematical italic small dotless j
0238	Ʉ	LATIN SMALL LETTER DB DIGRAPH • used in Africanist linguistics
0239	Ʌ	LATIN SMALL LETTER QP DIGRAPH • used in Africanist linguistics
023A	Ȧ	LATIN CAPITAL LETTER A WITH STROKE • Sencoten • lowercase is 2C65 ȧ
023B	Ȣ	LATIN CAPITAL LETTER C WITH STROKE • Sencoten
023C	ȣ	LATIN SMALL LETTER C WITH STROKE • used in Americanist linguistics
023D	Ȥ	LATIN CAPITAL LETTER L WITH BAR • Sencoten • lowercase is 019A ȥ
023E	Ȧ	LATIN CAPITAL LETTER T WITH DIAGONAL STROKE • Sencoten • lowercase is 2C66 ȧ
023F	Ȩ	LATIN SMALL LETTER S WITH SWASH TAIL • uppercase is 2C7E ȩ
0240	Ȫ	LATIN SMALL LETTER Z WITH SWASH TAIL • uppercase is 2C7F ȫ
0241	Ȭ	LATIN CAPITAL LETTER GLOTTAL STOP
0242	ȭ	LATIN SMALL LETTER GLOTTAL STOP • casing use in Chipewyan, Dogrib, Slavey (Canadian aboriginal orthographies) → 0294 ȭ latin letter glottal stop → 02C0 ȭ modifier letter glottal stop
0243	Ȯ	LATIN CAPITAL LETTER B WITH STROKE • lowercase is 0180 ȯ
0244	Ȱ	LATIN CAPITAL LETTER U BAR • lowercase is 0289 ȱ
0245	Ȳ	LATIN CAPITAL LETTER TURNED V • lowercase is 028C ȳ
0246	Ȥ	LATIN CAPITAL LETTER E WITH STROKE
0247	ȥ	LATIN SMALL LETTER E WITH STROKE
0248	Ȧ	LATIN CAPITAL LETTER J WITH STROKE
0249	ȧ	LATIN SMALL LETTER J WITH STROKE
024A	Ȩ	LATIN CAPITAL LETTER SMALL Q WITH HOOK TAIL
024B	ȩ	LATIN SMALL LETTER Q WITH HOOK TAIL
024C	Ȫ	LATIN CAPITAL LETTER R WITH STROKE
024D	ȫ	LATIN SMALL LETTER R WITH STROKE
024E	Ȭ	LATIN CAPITAL LETTER Y WITH STROKE
024F	ȭ	LATIN SMALL LETTER Y WITH STROKE

	025	026	027	028	029	02A
0	ɐ 0250	ɟ 0260	ɥ 0270	ʀ 0280	ʐ 0290	ɸ 02A0
1	ɑ 0251	ɡ 0261	ɱ 0271	ʁ 0281	ʑ 0291	ʒ 02A1
2	ɒ 0252	ɠ 0262	ɲ 0272	ʂ 0282	ʓ 0292	ɸ 02A2
3	ɓ 0253	ɣ 0263	ɳ 0273	ʃ 0283	ʔ 0293	ɸ 02A3
4	ɔ 0254	ɥ 0264	ɴ 0274	ʄ 0284	ʕ 0294	ɸ 02A4
5	ɛ 0255	ɥ 0265	ɵ 0275	ɺ 0285	ɸ 0295	ɸ 02A5
6	ɖ 0256	ɦ 0266	æ 0276	ɻ 0286	ɷ 0296	ɸ 02A6
7	ɗ 0257	ħ 0267	ω 0277	ɽ 0287	ɸ 0297	ɸ 02A7
8	ɘ 0258	ɨ 0268	ϕ 0278	ɿ 0288	⊙ 0298	ɸ 02A8
9	ə 0259	ɺ 0269	ɹ 0279	ɸ 0289	ɸ 0299	ɸ 02A9
A	ɶ 025A	ɹ 026A	ɻ 027A	ɸ 028A	ɸ 029A	ɸ 02AA
B	ɸ 025B	ɸ 026B	ɸ 027B	ɸ 028B	ɸ 029B	ɸ 02AB
C	ɸ 025C	ɸ 026C	ɸ 027C	ɸ 028C	ɸ 029C	ɸ 02AC
D	ɸ 025D	ɸ 026D	ɸ 027D	ɸ 028D	ɸ 029D	ɸ 02AD
E	ɸ 025E	ɸ 026E	ɸ 027E	ɸ 028E	ɸ 029E	ɸ 02AE
F	ɸ 025F	ɸ 026F	ɸ 027F	ɸ 028F	ɸ 029F	ɸ 02AF

IPA extensions

IPA includes basic Latin letters and a number of Latin or Greek letters from other blocks.

- 00E6 **æ** latin small letter ae
 → 00E7 **ç** latin small letter c with cedilla
 → 00F0 **ð** latin small letter eth
 → 00F8 **ø** latin small letter o with stroke
 → 0127 **ħ** latin small letter h with stroke
 → 014B **ŋ** latin small letter eng
 → 0153 **œ** latin small ligature oe
 → 03B2 **β** greek small letter beta
 → 03B8 **θ** greek small letter theta
 → 03BB **λ** greek small letter lamda
 → 03C7 **χ** greek small letter chi
- 0250 **ɐ** **LATIN SMALL LETTER TURNED A**
 • low central unrounded vowel
 • uppercase is 2C6F **Ǻ**
- 0251 **ɑ** **LATIN SMALL LETTER ALPHA**
 = latin small letter script a (1.0)
 • low back unrounded vowel
 • uppercase is 2C6D **Ɑ**
 → 03B1 **α** greek small letter alpha
- 0252 **ɒ** **LATIN SMALL LETTER TURNED ALPHA**
 • low back rounded vowel
 • uppercase is 2C70 **Ɱ**
- 0253 **ɓ** **LATIN SMALL LETTER B WITH HOOK**
 • implosive bilabial stop
 • Pan-Nigerian alphabet
 • uppercase is 0181 **Ḃ**
- 0254 **ɔ** **LATIN SMALL LETTER OPEN O**
 • typographically a turned c
 • lower-mid back rounded vowel
 • in older Danish usage “ɔ:” means “that is”
 • uppercase is 0186 **ⱪ**
- 0255 **ç** **LATIN SMALL LETTER C WITH CURL**
 • voiceless alveolo-palatal laminal fricative
 • used in transcription of Mandarin Chinese
 • sound spelled with 015B **ś** in Polish
- 0256 **ɖ** **LATIN SMALL LETTER D WITH TAIL**
 = d retroflex hook
 • voiced retroflex stop
 • uppercase is 0189 **Ḍ**
- 0257 **ɗ** **LATIN SMALL LETTER D WITH HOOK**
 • implosive dental or alveolar stop
 • Ewe, Pan-Nigerian alphabet
 • uppercase is 018A **Ḃ**
- 0258 **ɘ** **LATIN SMALL LETTER REVERSED E**
 • upper-mid central unrounded vowel
- 0259 **ə** **LATIN SMALL LETTER SCHWA**
 • mid-central unrounded vowel
 • uppercase is 018F **ⱸ**
 • variant uppercase form 018E **ⱶ** is associated with 01DD **ə**
 → 01DD **ə** latin small letter turned e
 → 04D9 **ә** cyrillic small letter schwa
- 025A **ɚ** **LATIN SMALL LETTER SCHWA WITH HOOK**
 • rhotacized schwa
- 025B **ɛ** **LATIN SMALL LETTER OPEN E**
 = epsilon
 • lower-mid front unrounded vowel
 • uppercase is 0190 **ⱺ**
 → 03B5 **ε** greek small letter epsilon
- 025C **ɜ** **LATIN SMALL LETTER REVERSED OPEN E**
 • lower-mid central unrounded vowel
- 025D **ɝ** **LATIN SMALL LETTER REVERSED OPEN E WITH HOOK**
 • rhotacized lower-mid central vowel
- 025E **ɞ** **LATIN SMALL LETTER CLOSED REVERSED OPEN E**
 = closed reversed epsilon
 • lower-mid central rounded vowel
- 025F **ɟ** **LATIN SMALL LETTER DOTLESS J WITH STROKE**
 • voiced palatal stop
 • typographically a turned f, but better thought of as a form of j
 • “gy” in Hungarian orthography
 • also archaic phonetic for palatoalveolar affricate 02A4 **ɟʝ**
- 0260 **ɠ** **LATIN SMALL LETTER G WITH HOOK**
 • implosive velar stop
 • uppercase is 0193 **Ḡ**
- 0261 **ɡ** **LATIN SMALL LETTER SCRIPT G**
 • voiced velar stop
 → 0067 **ɡ** latin small letter g
- 0262 **Ɑ** **LATIN LETTER SMALL CAPITAL G**
 • voiced uvular stop
- 0263 **ɣ** **LATIN SMALL LETTER GAMMA**
 • voiced velar fricative
 • uppercase is 0194 **Ḟ**
 → 03B3 **γ** greek small letter gamma
- 0264 **ɣ̥** **LATIN SMALL LETTER RAMS HORN**
 = latin small letter baby gamma (1.0)
 • upper-mid back unrounded vowel
- 0265 **ɥ** **LATIN SMALL LETTER TURNED H**
 • voiced rounded palatal approximant
 • uppercase is A78D **ⱦ**
- 0266 **ɦ** **LATIN SMALL LETTER H WITH HOOK**
 • breathy-voiced glottal fricative
 → 02B1 **ɦ** modifier letter small h with hook
- 0267 **ɦ̥** **LATIN SMALL LETTER HENG WITH HOOK**
 • voiceless coarticulated velar and palatoalveolar fricative
 • “tj” or “kj” or “sj” in some Swedish dialects
- 0268 **ı̇** **LATIN SMALL LETTER I WITH STROKE**
 = barred i, i bar
 • high central unrounded vowel
 • uppercase is 0197 **İ**
 • ISO 6438 gives lowercase of 0197 as 026A, not 0268
- 0269 **ɪ** **LATIN SMALL LETTER IOTA**
 • semi-high front unrounded vowel
 • obsoleted by IPA in 1989
 • preferred use is 026A **ɪ** latin letter small capital i
 • uppercase is 0196 **Ɱ**
 → 03B9 **ι** greek small letter iota
- 026A **ɪ** **LATIN LETTER SMALL CAPITAL I**
 • semi-high front unrounded vowel
 • preferred IPA alternate for 0269 **ɪ**
 • uppercase is 0197 **İ**
- 026B **ɬ** **LATIN SMALL LETTER L WITH MIDDLE TILDE**
 • velarized voiced alveolar lateral approximant
 • uppercase is 2C62 **Ḷ**
- 026C **ɭ** **LATIN SMALL LETTER L WITH BELT**
 • voiceless alveolar lateral fricative

026D	l	LATIN SMALL LETTER L WITH RETROFLEX HOOK • voiced retroflex lateral	027F	ɺ	LATIN SMALL LETTER REVERSED R WITH FISHHOOK = long leg turned iota (a misnomer) • apical dental vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 007A z 0329 ɸ
026E	ɮ	LATIN SMALL LETTER LEZH • voiced lateral fricative • “dhl” in Zulu orthography			
026F	ɯ	LATIN SMALL LETTER TURNED M • high back unrounded vowel • uppercase is 019C Ƶ	0280	ʀ	LATIN LETTER SMALL CAPITAL R • voiced uvular trill • Germanic, Old Norse • uppercase is 01A6 ʀ
0270	ɰ	LATIN SMALL LETTER TURNED M WITH LONG LEG • voiced velar approximant	0281	ɻ	LATIN LETTER SMALL CAPITAL INVERTED R • voiced uvular fricative or approximant → 02B6 ɻ modifier letter small capital inverted r
0271	ɱ	LATIN SMALL LETTER M WITH HOOK • voiced labiodental nasal • uppercase is 2C6E ɱ	0282	ɣ	LATIN SMALL LETTER S WITH HOOK • voiceless retroflex fricative
0272	ɲ	LATIN SMALL LETTER N WITH LEFT HOOK • voiced palatal nasal • uppercase is 019D ɳ	0283	ʃ	LATIN SMALL LETTER ESH • voiceless postalveolar fricative • uppercase is 01A9 ʃ → 222B ʃ integral
0273	ɳ	LATIN SMALL LETTER N WITH RETROFLEX HOOK • voiced retroflex nasal	0284	ɰ	LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK • implosive palatal stop • typographically based on 025F ɰ, not on 0283 ʃ
0274	ɺ	LATIN LETTER SMALL CAPITAL N • voiced uvular nasal	0285	ɻ	LATIN SMALL LETTER SQUAT REVERSED ESH • apical retroflex vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 0290 ɻ 0329 ɸ
0275	ø	LATIN SMALL LETTER BARRED O = o bar • rounded mid-central vowel, i.e. rounded schwa • uppercase is 019F Ɔ → 03B8 ̸ greek small letter theta → 0473 ̸ cyrillic small letter fita → 04E9 ̸ cyrillic small letter barred o			• in origin 027F ɺ plus the retroflex hook 0322 ɻ, despite its name • preferred presentation is with a descender
0276	œ	LATIN LETTER SMALL CAPITAL OE • low front rounded vowel → 0153 œ latin small ligature oe	0286	ɰ	LATIN SMALL LETTER ESH WITH CURL • palatalized voiceless postalveolar fricative • suggested spelling - 0283 ɰ 02B2 ɰ
0277	ɷ	LATIN SMALL LETTER CLOSED OMEGA • semi-high back rounded vowel • obsoleted by IPA in 1989 • preferred use is 028A ɯ latin small letter upsilon	0287	ɺ	LATIN SMALL LETTER TURNED T • dental click (sound of “tsk tsk”) → 01C0 ɺ latin letter dental click
0278	φ	LATIN SMALL LETTER PHI • voiceless bilabial fricative → 03C6 φ greek small letter phi	0288	ɺ	LATIN SMALL LETTER T WITH RETROFLEX HOOK • voiceless retroflex stop • uppercase is 01AE Ƨ
0279	ɺ	LATIN SMALL LETTER TURNED R • voiced alveolar approximant → 02B4 ɺ modifier letter small turned r	0289	ɯ	LATIN SMALL LETTER U BAR • high central rounded vowel • uppercase is 0244 Ʊ
027A	ɺ	LATIN SMALL LETTER TURNED R WITH LONG LEG • voiced lateral flap	028A	ɯ	LATIN SMALL LETTER UPSILON • semi-high back rounded vowel • preferred IPA alternate to 0277 ɷ • uppercase is 01B1 Ɔ → 03C5 ɯ greek small letter upsilon
027B	ɺ	LATIN SMALL LETTER TURNED R WITH HOOK • voiced retroflex approximant → 02B5 ɺ modifier letter small turned r with hook	028B	ɺ	LATIN SMALL LETTER V WITH HOOK = latin small letter script v (1.0) • voiced labiodental approximant • uppercase is 01B2 Ʊ → 03C5 ɯ greek small letter upsilon
027C	ɺ	LATIN SMALL LETTER R WITH LONG LEG • voiced strident apico-alveolar trill • obsoleted by IPA in 1989 • sound spelled with 0159 ř in Czech • preferred phonetic representation for Czech is 0072 ɺ 031D ɸ • in current use in Gaelic types (as glyph variant of 0072 ɺ)	028C	Λ	LATIN SMALL LETTER TURNED V = caret, wedge • lower-mid back unrounded vowel • uppercase is 0245 Ɔ → 039B Ɔ greek capital letter lamda → 2038 Ɔ caret → 2227 Ɔ logical and
027D	ɺ	LATIN SMALL LETTER R WITH TAIL • voiced retroflex flap • uppercase is 2C64 ɺ			
027E	ɺ	LATIN SMALL LETTER R WITH FISHHOOK • voiced alveolar flap or tap			

028D	ɱ	LATIN SMALL LETTER TURNED W • voiceless rounded labiovelar approximant	029F	ɮ	LATIN LETTER SMALL CAPITAL L • velar lateral approximant
028E	ɰ	LATIN SMALL LETTER TURNED Y • voiced lateral approximant	02A0	ɥ	LATIN SMALL LETTER Q WITH HOOK • voiceless uvular implosive
028F	ɤ	LATIN LETTER SMALL CAPITAL Y • semi-high front rounded vowel	02A1	ʔ	LATIN LETTER GLOTTAL STOP WITH STROKE • voiced epiglottal stop
0290	ɮ	LATIN SMALL LETTER Z WITH RETROFLEX HOOK • voiced retroflex fricative	02A2	ɟ	LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE • voiced epiglottal fricative
0291	ɮ	LATIN SMALL LETTER Z WITH CURL • voiced alveolo-palatal laminal fricative • sound spelled with 017A ȝ in Polish	02A3	ɖ	LATIN SMALL LETTER DZ DIGRAPH • voiced dental affricate
0292	ɣ	LATIN SMALL LETTER EZH = dram • voiced postalveolar fricative • mistakenly named yogh in Unicode 1.0 • uppercase is 01B7 Ʒ • Skolt Sami → 021D ɣ latin small letter yogh → 04E1 ɣ cyrillic small letter abkhasian dze → 2125 ʒ ounce sign → 1F772 ʒ alchemical symbol for half dram	02A4	ɢ	LATIN SMALL LETTER DEZH DIGRAPH • voiced postalveolar affricate
0293	ɣ	LATIN SMALL LETTER EZH WITH CURL • palatalized voiced postalveolar fricative	02A5	ɗ	LATIN SMALL LETTER DZ DIGRAPH WITH CURL • voiced alveolo-palatal affricate
0294	ʔ	LATIN LETTER GLOTTAL STOP • this is a caseless letter • used in IPA, other phonetic notations, and those orthographies which use a caseless glottal stop → 0241 ʔ latin capital letter glottal stop → 02C0 ʔ modifier letter glottal stop	02A6	ɬ	LATIN SMALL LETTER TS DIGRAPH • voiceless dental affricate
0295	ɥ	LATIN LETTER PHARYNGEAL VOICED FRICATIVE = reversed glottal stop • voiced pharyngeal fricative • ain → 01B9 ɥ latin small letter ezh reversed → 02C1 ɥ modifier letter reversed glottal stop	02A7	ɧ	LATIN SMALL LETTER TESH DIGRAPH • voiceless postalveolar affricate
0296	ɸ	LATIN LETTER INVERTED GLOTTAL STOP • lateral click → 01C1 ɸ latin letter lateral click	02A8	ɮ	LATIN SMALL LETTER TC DIGRAPH WITH CURL • voiceless alveolo-palatal affricate
0297	ɸ	LATIN LETTER STRETCHED C • palatal (or alveolar) click → 01C3 ɸ latin letter retroflex click → 2201 ɸ complement	IPA characters for disordered speech		
0298	⦿	LATIN LETTER BILABIAL CLICK = bullseye → 2299 ⦿ circled dot operator	02A9	ɸɶ	LATIN SMALL LETTER FENG DIGRAPH • velopharyngeal fricative
0299	ɸ	LATIN LETTER SMALL CAPITAL B • bilabial trill	02AA	ɸ	LATIN SMALL LETTER LS DIGRAPH • lateral alveolar fricative (lisp)
029A	ɸ	LATIN SMALL LETTER CLOSED OPEN E = closed epsilon • lower-mid front rounded vowel • non-IPA alternate for the preferred 0153 œ	02AB	ɸ	LATIN SMALL LETTER LZ DIGRAPH • voiced lateral alveolar fricative
029B	ɸ	LATIN LETTER SMALL CAPITAL G WITH HOOK • voiced uvular implosive	02AC	ɸ	LATIN LETTER BILABIAL PERCUSSIVE • audible lip smack
029C	ɸ	LATIN LETTER SMALL CAPITAL H • voiceless epiglottal fricative	02AD	ɸ	LATIN LETTER BIDENTAL PERCUSSIVE • audible teeth gnashing
029D	ɸ	LATIN SMALL LETTER J WITH CROSSED-TAIL • voiced palatal fricative	Additions for Sinology		
029E	ɸ	LATIN SMALL LETTER TURNED K • proposed for velar click • withdrawn by IPA in 1970	02AE	ɸ	LATIN SMALL LETTER TURNED H WITH FISHHOOK
			02AF	ɸ	LATIN SMALL LETTER TURNED H WITH FISHHOOK AND TAIL

	02B	02C	02D	02E	02F
0	h 02B0	ʔ 02C0	˘ 02D0	ʝ 02E0	ˆ 02F0
1	ĥ 02B1	ʕ 02C1	˙ 02D1	l 02E1	< 02F1
2	j 02B2	< 02C2	˘ 02D2	s 02E2	> 02F2
3	r 02B3	> 02C3	˘ 02D3	X 02E3	◦ 02F3
4	ı 02B4	∧ 02C4	⊥ 02D4	ƒ 02E4	˘ 02F4
5	ı 02B5	∨ 02C5	⊥ 02D5	⌋ 02E5	˘ 02F5
6	Ɓ 02B6	ˆ 02C6	+ 02D6	⌋ 02E6	˘ 02F6
7	W 02B7	˘ 02C7	- 02D7	⌋ 02E7	˘ 02F7
8	y 02B8	˘ 02C8	˘ 02D8	⌋ 02E8	˘ 02F8
9	/ 02B9	- 02C9	• 02D9	⌋ 02E9	ƒ 02F9
A	// 02BA	/ 02CA	◦ 02DA	⌋ 02EA	˘ 02FA
B	‘ 02BB	˘ 02CB	˘ 02DB	⌋ 02EB	⌋ 02FB
C	’ 02BC	˘ 02CC	˘ 02DC	˘ 02EC	⌋ 02FC
D	˘ 02BD	- 02CD	// 02DD	= 02ED	⌋ 02FD
E	˘ 02BE	˘ 02CE	˘ 02DE	” 02EE	⌋ 02FE
F	˘ 02BF	/ 02CF	× 02DF	˘ 02EF	← 02FF

Latin superscript modifier letters

- 2071 ⁱ superscript latin small letter i
 → 207F ⁿ superscript latin small letter n
- 02B0 ^h **MODIFIER LETTER SMALL H**
 • aspiration
 ≈ <super> 0068 **h**
- 02B1 ^{fi} **MODIFIER LETTER SMALL H WITH HOOK**
 • breathy voiced, murmured
 → 0266 **fi** latin small letter h with hook
 → 0324 ^o combining diaeresis below
 ≈ <super> 0266 **fi**
- 02B2 ^j **MODIFIER LETTER SMALL J**
 • palatalization
 → 0321 ^g combining palatalized hook below
 ≈ <super> 006A **j**
- 02B3 ^r **MODIFIER LETTER SMALL R**
 ≈ <super> 0072 **r**
- 02B4 ^ɹ **MODIFIER LETTER SMALL TURNED R**
 → 0279 **ɹ** latin small letter turned r
 ≈ <super> 0279 **ɹ**
- 02B5 ^{ɹ̥} **MODIFIER LETTER SMALL TURNED R WITH HOOK**
 → 027B **ɹ̥** latin small letter turned r with hook
 ≈ <super> 027B **ɹ̥**
- 02B6 ^ɻ **MODIFIER LETTER SMALL CAPITAL INVERTED R**
 • preceding four used for r-coloring or r-offglides
 → 0281 **ɻ** latin letter small capital inverted r
 ≈ <super> 0281 **ɻ**
- 02B7 ^w **MODIFIER LETTER SMALL W**
 • labialization
 → 032B ^o combining inverted double arch below
 ≈ <super> 0077 **w**
- 02B8 ^y **MODIFIER LETTER SMALL Y**
 • palatalization
 • common Americanist usage for 02B2 ^j
 ≈ <super> 0079 **y**

Miscellaneous phonetic modifiers

- 02B9 ^ˈ **MODIFIER LETTER PRIME**
 • primary stress, emphasis
 • transliteration of mjagkij znak (Cyrillic soft sign: palatalization)
 → 0027 ^ʹ apostrophe
 → 00B4 ^ˊ acute accent
 → 02CA ^ˊ modifier letter acute accent
 → 0301 ^ˊ combining acute accent
 → 0374 ^ˊ greek numeral sign
 → 2032 ^ˊ prime
- 02BA ^ˉ **MODIFIER LETTER DOUBLE PRIME**
 • exaggerated stress, contrastive stress
 • transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)
 → 0022 ^ˉ quotation mark
 → 030B ^ˉ combining double acute accent
 → 2033 ^ˉ double prime
- 02BB ^ˆ **MODIFIER LETTER TURNED COMMA**
 • typographical alternate for 02BD ^ˆ or 02BF ^ˆ
 • used in Hawaiʻian orthography as `okina (glottal stop)
 → 0312 ^ˆ combining turned comma above
 → 07F5 ^ˆ nko low tone apostrophe
 → 2018 ^ˆ left single quotation mark

- 02BC ^ˆ **MODIFIER LETTER APOSTROPHE**
 = apostrophe
 • glottal stop, glottalization, ejective
 • many languages use this as a letter of their alphabets
 • used as a tone marker in Bodo, Dogri, and Maithili
 • 2019 ^ˆ is the preferred character for a punctuation apostrophe
 → 0027 ^ʹ apostrophe
 → 0313 ^ˆ combining comma above
 → 0315 ^ˆ combining comma above right
 → 055A ^ˆ armenian apostrophe
 → 07F4 ^ˆ nko high tone apostrophe
 → 1FBF ^ˆ greek psili
 → 2019 ^ˆ right single quotation mark
- 02BD ^ˆ **MODIFIER LETTER REVERSED COMMA**
 • weak aspiration
 → 0314 ^ˆ combining reversed comma above
 → 0559 ^ˆ armenian modifier letter left half ring
 → 1FFE ^ˆ greek dasia
 → 201B ^ˆ single high-reversed-9 quotation mark
- 02BE ^ˆ **MODIFIER LETTER RIGHT HALF RING**
 • transliteration of Arabic hamza (glottal stop)
 → 055A ^ˆ armenian apostrophe
 → 0621 ^ˆ arabic letter hamza
- 02BF ^ˆ **MODIFIER LETTER LEFT HALF RING**
 • transliteration of Arabic ain (voiced pharyngeal fricative)
 → 0559 ^ˆ armenian modifier letter left half ring
 → 0639 ^ˆ arabic letter ain
- 02C0 ^ˆ **MODIFIER LETTER GLOTTAL STOP**
 • ejective or glottalized
 • typographical alternate for 02BC ^ˆ or 02BE ^ˆ
 → 0294 ^ˆ latin letter glottal stop
 → 0309 ^ˆ combining hook above
- 02C1 ^ˆ **MODIFIER LETTER REVERSED GLOTTAL STOP**
 • typographical alternate for 02BF ^ˆ
 → 0295 ^ˆ latin letter pharyngeal voiced fricative
- 02C2 ^ˆ **MODIFIER LETTER LEFT ARROWHEAD**
 • fronted articulation
- 02C3 ^ˆ **MODIFIER LETTER RIGHT ARROWHEAD**
 • backed articulation
- 02C4 ^ˆ **MODIFIER LETTER UP ARROWHEAD**
 • raised articulation
 → 005E ^ˆ circumflex accent
 → 2303 ^ˆ up arrowhead
- 02C5 ^ˆ **MODIFIER LETTER DOWN ARROWHEAD**
 • lowered articulation
- 02C6 ^ˆ **MODIFIER LETTER CIRCUMFLEX ACCENT**
 • rising-falling tone, falling tone, secondary stress, etc.
 → 005E ^ˆ circumflex accent
 → 0302 ^ˆ combining circumflex accent
 → A788 ^ˆ modifier letter low circumflex accent
- 02C7 ^ˆ **CARON**
 = hacek
 • falling-rising tone
 • Mandarin Chinese third tone
 → 030C ^ˆ combining caron

02C8	'	MODIFIER LETTER VERTICAL LINE
		<ul style="list-style-type: none"> • primary stress, downstep • precedes letter or syllable modified → 0027 ' apostrophe → 030D ◌ combining vertical line above
02C9	ˉ	MODIFIER LETTER MACRON
		<ul style="list-style-type: none"> • high level tone • precedes or follows letter or syllable modified • Mandarin Chinese first tone → 00AF ˉ macron → 0304 ◌ combining macron
02CA	ˊ	MODIFIER LETTER ACUTE ACCENT
		<ul style="list-style-type: none"> • high-rising tone (IPA), high tone, primary stress • Mandarin Chinese second tone → 00B4 ˊ acute accent → 02B9 ˊ modifier letter prime → 0301 ◌ combining acute accent → 0374 ˊ greek numeral sign → 055B ˊ armenian emphasis mark
02CB	ˋ	MODIFIER LETTER GRAVE ACCENT
		<ul style="list-style-type: none"> • high-falling tone (IPA), low tone, secondary or tertiary stress • Mandarin Chinese fourth tone → 0060 ˋ grave accent → 0300 ◌ combining grave accent → 055D ˋ armenian comma
02CC	ˌ	MODIFIER LETTER LOW VERTICAL LINE
		<ul style="list-style-type: none"> • secondary stress • precedes letter or syllable modified → 0329 ◌ combining vertical line below
02CD	˘	MODIFIER LETTER LOW MACRON
		<ul style="list-style-type: none"> • low level tone → 005F ˘ low line → 0331 ◌ combining macron below
02CE	ˋ	MODIFIER LETTER LOW GRAVE ACCENT
		<ul style="list-style-type: none"> • low-falling tone
02CF	ˊ	MODIFIER LETTER LOW ACUTE ACCENT
		<ul style="list-style-type: none"> • low-rising tone → 0375 ˊ greek lower numeral sign
02D0	:	MODIFIER LETTER TRIANGULAR COLON
		<ul style="list-style-type: none"> • length mark → 003A : colon
02D1	˙	MODIFIER LETTER HALF TRIANGULAR COLON
		<ul style="list-style-type: none"> • half-length mark → 00B7 ˙ middle dot
02D2	◌̥	MODIFIER LETTER CENTRED RIGHT HALF RING
		<ul style="list-style-type: none"> • more rounded articulation
02D3	◌̜	MODIFIER LETTER CENTRED LEFT HALF RING
		<ul style="list-style-type: none"> • less rounded articulation
02D4	◌̩	MODIFIER LETTER UP TACK
		<ul style="list-style-type: none"> • vowel raising or closing → 031D ◌ combining up tack below → 0323 ◌ combining dot below
02D5	◌̯	MODIFIER LETTER DOWN TACK
		<ul style="list-style-type: none"> • vowel lowering or opening → 031C ◌ combining left half ring below → 031E ◌ combining down tack below
02D6	◌̰	MODIFIER LETTER PLUS SIGN
		<ul style="list-style-type: none"> • advanced or fronted articulation → 031F ◌ combining plus sign below

02D7	-	MODIFIER LETTER MINUS SIGN
		<ul style="list-style-type: none"> • retracted or backed articulation • glyph may have small end-serifs → 0320 ◌ combining minus sign below → 2212 - minus sign

Spacing clones of diacritics

02D8	◌̆	BREVE
		→ 0306 ◌ combining breve ≈ 0020 ^{SP} 0306 ◌
02D9	◌̇	DOT ABOVE
		<ul style="list-style-type: none"> • Mandarin Chinese fifth tone (light or neutral) → 0307 ◌ combining dot above ≈ 0020 ^{SP} 0307 ◌
02DA	◌̈	RING ABOVE
		→ 00B0 ◌ degree sign → 030A ◌ combining ring above ≈ 0020 ^{SP} 030A ◌
02DB	◌̊	OGONEK
		→ 0328 ◌ combining ogonek ≈ 0020 ^{SP} 0328 ◌
02DC	◌̋	SMALL TILDE
		→ 007E ~ tilde → 0303 ◌ combining tilde → 223C ~ tilde operator ≈ 0020 ^{SP} 0303 ◌
02DD	◌̌	DOUBLE ACUTE ACCENT
		→ 030B ◌ combining double acute accent ≈ 0020 ^{SP} 030B ◌

Additions based on 1989 IPA

02DE	◌̍	MODIFIER LETTER RHOTIC HOOK
		<ul style="list-style-type: none"> • rhotacization in vowel • often ligated: 025A ɹ̍ = 0259 ɹ + 02DE ◌ ; 025D ɹ̍ = 025C ɹ + 02DE ◌
02DF	×	MODIFIER LETTER CROSS ACCENT
		<ul style="list-style-type: none"> • Swedish grave accent
02E0	◌̎	MODIFIER LETTER SMALL GAMMA
		<ul style="list-style-type: none"> • these modifier letters are occasionally used in transcription of affricates ≈ <super> 0263 ɣ
02E1	◌̏	MODIFIER LETTER SMALL L
		≈ <super> 006C l
02E2	◌̐	MODIFIER LETTER SMALL S
		≈ <super> 0073 s
02E3	×	MODIFIER LETTER SMALL X
		≈ <super> 0078 x
02E4	◌̑	MODIFIER LETTER SMALL REVERSED GLOTTAL STOP
		≈ <super> 0295 ʈ

Tone letters

02E5	◌̒	MODIFIER LETTER EXTRA-HIGH TONE BAR
02E6	◌̓	MODIFIER LETTER HIGH TONE BAR
02E7	◌̔	MODIFIER LETTER MID TONE BAR
02E8	◌̕	MODIFIER LETTER LOW TONE BAR
02E9	◌̖	MODIFIER LETTER EXTRA-LOW TONE BAR

Extended Bopomofo tone marks

02EA	◌̗	MODIFIER LETTER YIN DEPARTING TONE MARK
02EB	◌̘	MODIFIER LETTER YANG DEPARTING TONE MARK

IPA modifiers

02EC	◌̙	MODIFIER LETTER VOICING
02ED	◌̚	MODIFIER LETTER UNASPIRATED

Other modifier letter

02EE ” MODIFIER LETTER DOUBLE APOSTROPHE
 • Nenets

UPA modifiers

02EF ˇ MODIFIER LETTER LOW DOWN ARROWHEAD
 02F0 ˘ MODIFIER LETTER LOW UP ARROWHEAD
 02F1 ˆ MODIFIER LETTER LOW LEFT ARROWHEAD
 02F2 ˋ MODIFIER LETTER LOW RIGHT ARROWHEAD
 02F3 ˚ MODIFIER LETTER LOW RING
 02F4 ˘ MODIFIER LETTER MIDDLE GRAVE ACCENT
 02F5 ˝ MODIFIER LETTER MIDDLE DOUBLE GRAVE ACCENT
 02F6 ˞ MODIFIER LETTER MIDDLE DOUBLE ACUTE ACCENT
 02F7 ˜ MODIFIER LETTER LOW TILDE
 02F8 ˝ MODIFIER LETTER RAISED COLON
 02F9 ˆ MODIFIER LETTER BEGIN HIGH TONE
 02FA ˆ MODIFIER LETTER END HIGH TONE
 02FB ˋ MODIFIER LETTER BEGIN LOW TONE
 02FC ˋ MODIFIER LETTER END LOW TONE
 02FD ˘ MODIFIER LETTER SHELF
 02FE ˘ MODIFIER LETTER OPEN SHELF
 02FF ← MODIFIER LETTER LOW LEFT ARROW

	030	031	032	033	034	035	036
0	0300	0310	0320	0330	0340	0350	0360
1	0301	0311	0321	0331	0341	0351	0361
2	0302	0312	0322	0332	0342	0352	0362
3	0303	0313	0323	0333	0343	0353	0363
4	0304	0314	0324	0334	0344	0354	0364
5	0305	0315	0325	0335	0345	0355	0365
6	0306	0316	0326	0336	0346	0356	0366
7	0307	0317	0327	0337	0347	0357	0367
8	0308	0318	0328	0338	0348	0358	0368
9	0309	0319	0329	0339	0349	0359	0369
A	030A	031A	032A	033A	034A	035A	036A
B	030B	031B	032B	033B	034B	035B	036B
C	030C	031C	032C	033C	034C	035C	036C
D	030D	031D	032D	033D	034D	035D	036D
E	030E	031E	032E	033E	034E	035E	036E
F	030F	031F	032F	033F	034F	035F	036F

Ordinary diacritics

- 0300 ̀ COMBINING GRAVE ACCENT
= Greek varia
→ 0060 ` grave accent
→ 02CB ` modifier letter grave accent
- 0301 ́ COMBINING ACUTE ACCENT
= stress mark
= Greek oxia, tonos
→ 0027 ´ apostrophe
→ 00B4 ´ acute accent
→ 02B9 ´ modifier letter prime
→ 02CA ´ modifier letter acute accent
→ 0384 ´ greek tonos
- 0302 ̂ COMBINING CIRCUMFLEX ACCENT
= hat
→ 005E ^ circumflex accent
→ 02C6 ^ modifier letter circumflex accent
- 0303 ̃ COMBINING TILDE
• IPA: nasalization
• Vietnamese tone mark
→ 007E ~ tilde
→ 02DC ~ small tilde
- 0304 ̄ COMBINING MACRON
= long
• distinguish from the following
→ 00AF macron
→ 02C9 ¯ modifier letter macron
- 0305 ̅ COMBINING OVERLINE
= overscore, vinculum
• connects on left and right
→ 00AF macron
- 0306 ̆ COMBINING BREVE
= short
= Greek vrachy
→ 02D8 ˘ breve
→ A67C ̆ combining cyrillic kavyka
- 0307 ̇ COMBINING DOT ABOVE
= derivative (Newtonian notation)
• IPA (withdrawn in 1976): palatalization
→ 02D9 ˙ dot above
- 0308 ̈ COMBINING DIAERESIS
= double dot above, umlaut
= Greek dialytika
= double derivative
→ 00A8 ¨ diaeresis
- 0309 ̉ COMBINING HOOK ABOVE
= hoi
• kerns left or right of circumflex over vowels
• Vietnamese tone mark
→ 02C0 ˆ modifier letter glottal stop
- 030A ̊ COMBINING RING ABOVE
→ 00B0 ° degree sign
→ 02DA ° ring above
- 030B ̋ COMBINING DOUBLE ACUTE ACCENT
• Hungarian, Chuvash
→ 0022 " quotation mark
→ 02BA ¨ modifier letter double prime
→ 02DD ¨ double acute accent
- 030C ̌ COMBINING CARON
= hacek, V above
→ 02C7 ˇ caron
- 030D ̍ COMBINING VERTICAL LINE ABOVE
• this is not the Greek tonos
• Marshallese
→ 02C8 ˊ modifier letter vertical line
- 030E ̎ COMBINING DOUBLE VERTICAL LINE ABOVE
• Marshallese
→ 0022 " quotation mark
- 030F ̏ COMBINING DOUBLE GRAVE ACCENT
• Serbian and Croatian poetics
- 0310 ̐ COMBINING CANDRABINDU
→ 0901 ॐ devanagari sign candrabindu
- 0311 ̑ COMBINING INVERTED BREVE
→ 0487 ̑ combining cyrillic pokrytie
- 0312 ̒ COMBINING TURNED COMMA ABOVE
= cedilla above
• Latvian (but not used in decomposition)
→ 02BB ˆ modifier letter turned comma
- 0313 ̓ COMBINING COMMA ABOVE
= Greek psili, smooth breathing mark
• Americanist: ejective or glottalization
→ 02BC ˊ modifier letter apostrophe
→ 0486 ̓ combining cyrillic psili pneumata
→ 055A ˊ armenian apostrophe
- 0314 ̔ COMBINING REVERSED COMMA ABOVE
= Greek dasia, rough breathing mark
→ 02BD ˋ modifier letter reversed comma
→ 0485 ̔ combining cyrillic dasia pneumata
→ 0559 ˋ armenian modifier letter left half ring
- 0315 ̕ COMBINING COMMA ABOVE RIGHT
→ 02BC ˊ modifier letter apostrophe
- 0316 ̖ COMBINING GRAVE ACCENT BELOW
- 0317 ̗ COMBINING ACUTE ACCENT BELOW
- 0318 ̘ COMBINING LEFT TACK BELOW
- 0319 ̙ COMBINING RIGHT TACK BELOW
- 031A ̚ COMBINING LEFT ANGLE ABOVE
• IPA: unreleased stop
- 031B ̛ COMBINING HORN
• Vietnamese
- 031C ̜ COMBINING LEFT HALF RING BELOW
• IPA: open variety of vowel
→ 02D5 ˘ modifier letter down tack
- 031D ̝ COMBINING UP TACK BELOW
• IPA: vowel raising or closing
→ 02D4 ˘ modifier letter up tack
- 031E ̞ COMBINING DOWN TACK BELOW
• IPA: vowel lowering or opening
→ 02D5 ˘ modifier letter down tack
- 031F ̟ COMBINING PLUS SIGN BELOW
• IPA: advanced or fronted articulation
→ 02D6 + modifier letter plus sign
- 0320 ̠ COMBINING MINUS SIGN BELOW
• IPA: retracted or backed articulation
• glyph may have small end-serifs
→ 02D7 - modifier letter minus sign
- 0321 ̡ COMBINING PALATALIZED HOOK BELOW
• IPA: palatalization
→ 02B2 ˆ modifier letter small j
- 0322 ̢ COMBINING RETROFLEX HOOK BELOW
• IPA: retroflexion

- 0323 ◌̣ **COMBINING DOT BELOW**
= nang
• IPA: closer variety of vowel
• Americanist and Indo-Europeanist: retraction or retroflexion
• Semiticist: velarization or pharyngealization
• Vietnamese tone mark
→ 02D4 ◌̣ modifier letter up tack
- 0324 ◌̥ **COMBINING DIAERESIS BELOW**
• IPA: breathy-voice or murmur
→ 02B1 ◌̥ modifier letter small h with hook
- 0325 ◌̦ **COMBINING RING BELOW**
• IPA: voiceless
• vocalic (in Latin transliteration of Indic sonorants)
• Madurese
- 0326 ◌̧ **COMBINING COMMA BELOW**
• Romanian, Latvian, Livonian
- 0327 ◌̨ **COMBINING CEDILLA**
• French, Turkish, Azerbaijani
→ 00B8 ◌̨ cedilla
- 0328 ◌̩ **COMBINING OGONEK**
= nasal hook
• Americanist: nasalization
• Polish, Lithuanian
→ 02DB ◌̩ ogonek
- 0329 ◌̪ **COMBINING VERTICAL LINE BELOW**
• IPA: syllabic
• Yoruba
• German dialectology
• may attach or not; shape may vary by local preferences
→ 02CC ◌̪ modifier letter low vertical line
- 032A ◌̫ **COMBINING BRIDGE BELOW**
• IPA: dental
- 032B ◌̬ **COMBINING INVERTED DOUBLE ARCH BELOW**
• IPA: labialization
→ 02B7 ◌̬ modifier letter small w
- 032C ◌̭ **COMBINING CARON BELOW**
• IPA: voiced
- 032D ◌̮ **COMBINING CIRCUMFLEX ACCENT BELOW**
• Americanist: fronted articulation
- 032E ◌̯ **COMBINING BREVE BELOW**
• Hittite transcription
- 032F ◌̰ **COMBINING INVERTED BREVE BELOW**
• Americanist: fronted articulation (variant of 032D ◌̮)
• Indo-Europeanist: semivowel
- 0330 ◌̱ **COMBINING TILDE BELOW**
• IPA: creaky voice
- 0331 ◌̲ **COMBINING MACRON BELOW**
→ 005F ◌̲ low line
→ 02CD ◌̲ modifier letter low macron
- 0332 ◌̳ **COMBINING LOW LINE**
= underline, underscore
• connects on left and right
→ 005F ◌̳ low line
- 0333 ◌̴ **COMBINING DOUBLE LOW LINE**
= double underline, double underscore
• connects on left and right
→ 0347 ◌̴ combining equals sign below
→ 2017 ◌̴ double low line

Overstruck diacritics

- 0334 ◌̵ **COMBINING TILDE OVERLAY**
• IPA: velarization or pharyngealization
- 0335 ◌̶ **COMBINING SHORT STROKE OVERLAY**
- 0336 ◌̷ **COMBINING LONG STROKE OVERLAY**
- 0337 ◌̸ **COMBINING SHORT SOLIDUS OVERLAY**
= short slash overlay
- 0338 ◌̹ **COMBINING LONG SOLIDUS OVERLAY**
= long slash overlay

Additions

- 0339 ◌̺ **COMBINING RIGHT HALF RING BELOW**
- 033A ◌̻ **COMBINING INVERTED BRIDGE BELOW**
- 033B ◌̼ **COMBINING SQUARE BELOW**
- 033C ◌̽ **COMBINING SEAGULL BELOW**
- 033D ◌̾ **COMBINING X ABOVE**
- 033E ◌̿ **COMBINING VERTICAL TILDE**
= yerik
• used for Cyrillic yerik, indicates an omitted jer
• this is not a palatalization mark
→ 0484 ◌̿ combining cyrillic palatalization
→ 2E2F ◌̿ vertical tilde
→ A67D ◌̿ combining cyrillic payerok
- 033F ◌̽◌̽ **COMBINING DOUBLE OVERLINE**

Vietnamese tone marks

Vietnamese-specific accent placement should be handled instead by specialized rendering of 0300 and 0301. Use of 0340 and 0341 is discouraged.

- 0340 ◌̸̣ **COMBINING GRAVE TONE MARK**
≡ 0300 ◌̸̣ combining grave accent
- 0341 ◌̸̣̣ **COMBINING ACUTE TONE MARK**
≡ 0301 ◌̸̣̣ combining acute accent

Additions for Greek

- 0342 ◌̷̸̣ **COMBINING GREEK PERISPOMENI**
- 0343 ◌̷̸̣̣ **COMBINING GREEK KORONIS**
≡ 0313 ◌̷̸̣̣ combining comma above
- 0344 ◌̷̸̣̣̣ **COMBINING GREEK DIALYTIKA TONOS**
• use of this character is discouraged
≡ 0308 ◌̷̸̣̣̣ 0301 ◌̷̸̣̣̣
- 0345 ◌̷̸̣̣̣̣ **COMBINING GREEK YPOGEGRAMMENI**
= greek non-spacing iota below (1.0)
= iota subscript
• note special casing issues
→ 037A ◌̷̸̣̣̣̣ greek ypogegrammeni
→ 0399 ◌̷̸̣̣̣̣̣ greek capital letter iota

Additions for IPA

- 0346 ◌̷̸̣̣̣̣̣ **COMBINING BRIDGE ABOVE**
• IPA: dentolabial
→ 20E9 ◌̷̸̣̣̣̣̣ combining wide bridge above
- 0347 ◌̷̸̣̣̣̣̣̣ **COMBINING EQUALS SIGN BELOW**
• IPA: alveolar
- 0348 ◌̷̸̣̣̣̣̣̣̣ **COMBINING DOUBLE VERTICAL LINE BELOW**
• IPA: strong articulation
- 0349 ◌̷̸̣̣̣̣̣̣̣̣ **COMBINING LEFT ANGLE BELOW**
• IPA: weak articulation
- 034A ◌̷̸̣̣̣̣̣̣̣̣̣ **COMBINING NOT TILDE ABOVE**
• IPA: denasal

IPA diacritics for disordered speech

- 034B ◌̷̸̣̣̣̣̣̣̣̣̣̣̣ **COMBINING HOMOTHETIC ABOVE**
• IPA: nasal escape

034C	◌̥	COMBINING ALMOST EQUAL TO ABOVE	0369	◌̣	COMBINING LATIN SMALL LETTER D
		• IPA: velopharyngeal friction	036A	◌̤	COMBINING LATIN SMALL LETTER H
034D	◌̨	COMBINING LEFT RIGHT ARROW BELOW	036B	◌̥	COMBINING LATIN SMALL LETTER M
		• IPA: labial spreading	036C	◌̦	COMBINING LATIN SMALL LETTER R
034E	◌̩	COMBINING UPWARDS ARROW BELOW	036D	◌̧	COMBINING LATIN SMALL LETTER T
		• IPA: whistled articulation	036E	◌̨	COMBINING LATIN SMALL LETTER V
			036F	◌̩	COMBINING LATIN SMALL LETTER X

Grapheme joiner

034F	◌ͪ	COMBINING GRAPHEME JOINER
		• commonly abbreviated as CGJ
		• has no visible glyph
		• the name of this character is misleading; it does not actually join graphemes

Additions for the Uralic Phonetic Alphabet

0350	◌̧	COMBINING RIGHT ARROWHEAD ABOVE
0351	◌̨	COMBINING LEFT HALF RING ABOVE
0352	◌̩	COMBINING FERMATA
0353	◌̪	COMBINING X BELOW
0354	◌̫	COMBINING LEFT ARROWHEAD BELOW
0355	◌̬	COMBINING RIGHT ARROWHEAD BELOW
0356	◌̭	COMBINING RIGHT ARROWHEAD AND UP ARROWHEAD BELOW
0357	◌̮	COMBINING RIGHT HALF RING ABOVE

Miscellaneous additions

0358	◌̯	COMBINING DOT ABOVE RIGHT
		• Latin transliterations of the Southern Min dialects of Chinese
0359	◌̰	COMBINING ASTERISK BELOW
		→ 204E * low asterisk
035A	◌̱	COMBINING DOUBLE RING BELOW
		• Kharoshthi transliteration
035B	◌̲	COMBINING ZIGZAG ABOVE
		• Latin abbreviation, Lithuanian phonetics and mediaevalist transcriptions

Double diacritics

035C	◌̳	COMBINING DOUBLE BREVE BELOW
		= ligature tie below, papyrological hyphen
		• a common glyph alternate connects the horizontal midpoints of the characters
		→ 035D ◌̴ combining double breve
		→ 0361 ◌̵ combining double inverted breve
035D	◌̴	COMBINING DOUBLE BREVE
035E	◌̶	COMBINING DOUBLE MACRON
035F	◌̷	COMBINING DOUBLE MACRON BELOW
0360	◌̸	COMBINING DOUBLE TILDE
0361	◌̵	COMBINING DOUBLE INVERTED BREVE
		= ligature tie
0362	◌̹	COMBINING DOUBLE RIGHTWARDS ARROW BELOW
		• IPA: sliding articulation

Medieval superscript letter diacritics

These are letter diacritics written directly above other letters. They appear primarily in medieval Germanic manuscripts, but saw some usage as late as the 19th century in some languages.

0363	◌̶	COMBINING LATIN SMALL LETTER A
0364	◌̷	COMBINING LATIN SMALL LETTER E
0365	◌̸	COMBINING LATIN SMALL LETTER I
0366	◌̹	COMBINING LATIN SMALL LETTER O
0367	◌̺	COMBINING LATIN SMALL LETTER U
0368	◌̻	COMBINING LATIN SMALL LETTER C

	037	038	039	03A	03B	03C	03D	03E	03F
0	Ϝ 0370		ί 0390	Π 03A0	Ϛ 03B0	π 03C0	ϛ 03D0	Ϝ 03E0	κ 03F0
1	ϝ 0371		Α 0391	Ρ 03A1	α 03B1	ρ 03C1	ϝ 03D1	ϝ 03E1	ϙ 03F1
2	Τ 0372		Β 0392		β 03B2	ς 03C2	Υ 03D2	Ω 03E2	Ϙ 03F2
3	Ϝ 0373		Γ 0393	Σ 03A3	γ 03B3	σ 03C3	Ϛ 03D3	ω 03E3	ι 03F3
4	ϛ 0374	ϛ 0384	Δ 0394	Τ 03A4	δ 03B4	τ 03C4	Ϛ 03D4	ϙ 03E4	Θ 03F4
5	ϛ 0375	ϛ 0385	Ε 0395	Υ 03A5	ε 03B5	υ 03C5	φ 03D5	ϙ 03E5	€ 03F5
6	И 0376	Ά 0386	Ζ 0396	Φ 03A6	ζ 03B6	φ 03C6	ω 03D6	ϛ 03E6	ϛ 03F6
7	и 0377	· 0387	Η 0397	Χ 03A7	η 03B7	χ 03C7	ϛ 03D7	ϛ 03E7	ϛ 03F7
8		Έ 0388	Θ 0398	Ψ 03A8	θ 03B8	ψ 03C8	Ω 03D8	ϛ 03E8	ϛ 03F8
9		Ή 0389	Ι 0399	Ω 03A9	ι 03B9	ω 03C9	φ 03D9	ϛ 03E9	Ϙ 03F9
A	ϛ 037A	Ί 038A	Κ 039A	Ϊ 03AA	κ 03BA	ϊ 03CA	ϛ 03DA	ϛ 03EA	Μ 03FA
B	ϛ 037B		Λ 039B	Ϛ 03AB	λ 03BB	Ϛ 03CB	ς 03DB	ϛ 03EB	ϛ 03FB
C	ϛ 037C	Ό 038C	Μ 039C	ά 03AC	μ 03BC	ό 03CC	Ϝ 03DC	ϛ 03EC	ρ 03FC
D	ϛ 037D		Ν 039D	έ 03AD	ν 03BD	ύ 03CD	Ϝ 03DD	σ 03ED	ϛ 03FD
E	ϛ 037E	Υ 038E	Ξ 039E	ή 03AE	ξ 03BE	ώ 03CE	ϛ 03DE	ϛ 03EE	ϛ 03FE
F		Ό 038F	Ο 039F	ί 03AF	ο 03BF	ϛ 03CF	ϛ 03DF	ϛ 03EF	ϛ 03FF

Archaic letters

- 0370 Η GREEK CAPITAL LETTER HETA
→ 2C75 H latin capital letter half h
- 0371 η GREEK SMALL LETTER HETA
→ 2C76 h latin small letter half h
- 0372 Τ GREEK CAPITAL LETTER ARCHAIC SAMPI
- 0373 τ GREEK SMALL LETTER ARCHAIC SAMPI

Numeral signs

- 0374 Ϟ GREEK NUMERAL SIGN
= dexia keraia
• indicates numeric use of letters
→ 02CA Ϟ modifier letter acute accent
≡ 02B9 Ϟ modifier letter prime
- 0375 ϟ GREEK LOWER NUMERAL SIGN
= aristeri keraia
• indicates numeric use of letters
→ 02CF ϟ modifier letter low acute accent

Archaic letters

- 0376 Ι GREEK CAPITAL LETTER PAMPHYLIAN DIGAMMA
- 0377 ι GREEK SMALL LETTER PAMPHYLIAN DIGAMMA

Iota subscript

- 037A Ϙ GREEK YPOGEGRAMMENI
= iota subscript
→ 0345 Ϙ combining greek ypogegrammeni
≈ 0020 [sp] 0345 Ϙ

Lowercase of editorial symbols

- 037B ϙ GREEK SMALL REVERSED LUNATE SIGMA SYMBOL
- 037C Ϛ GREEK SMALL DOTTED LUNATE SIGMA SYMBOL
- 037D ϛ GREEK SMALL REVERSED DOTTED LUNATE SIGMA SYMBOL

Punctuation

- 037E Ϝ GREEK QUESTION MARK
= erotimatiko
• sentence-final punctuation
• 003B Ϝ is the preferred character
→ 003F Ϝ question mark
≡ 003B Ϝ ; semicolon

Spacing accent marks

- 0384 ϝ GREEK TONOS
→ 00B4 ϝ acute accent
→ 030D ϝ combining vertical line above
≈ 0020 [sp] 0301 ϝ
- 0385 Ϟ GREEK DIALYTIKA TONOS
≡ 00A8 Ϟ 0301 ϝ

Letter

- 0386 Α GREEK CAPITAL LETTER ALPHA WITH TONOS
≡ 0391 Α 0301 ϝ

Punctuation

- 0387 ϟ GREEK ANO TELEIA
• functions in Greek like a semicolon
• 00B7 ϟ is the preferred character
≡ 00B7 ϟ middle dot

Letters

- 0388 Ε GREEK CAPITAL LETTER EPSILON WITH TONOS
≡ 0395 Ε 0301 ϝ

- 0389 Η GREEK CAPITAL LETTER ETA WITH TONOS
≡ 0397 Η 0301 ϝ

- 038A Ι GREEK CAPITAL LETTER IOTA WITH TONOS
≡ 0399 Ι 0301 ϝ

- 038B Ϟ <reserved>

- 038C Ο GREEK CAPITAL LETTER OMICRON WITH TONOS
≡ 039F Ο 0301 ϝ

- 038D Ϟ <reserved>

- 038E Υ GREEK CAPITAL LETTER UPSILON WITH TONOS
≡ 03A5 Υ 0301 ϝ

- 038F Ω GREEK CAPITAL LETTER OMEGA WITH TONOS
≡ 03A9 Ω 0301 ϝ

- 0390 ι GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS
≡ 03CA ι 0301 ϝ

- 0391 Α GREEK CAPITAL LETTER ALPHA

- 0392 Β GREEK CAPITAL LETTER BETA

- 0393 Γ GREEK CAPITAL LETTER GAMMA
= gamma function
→ 213E Γ double-struck capital gamma

- 0394 Δ GREEK CAPITAL LETTER DELTA
→ 2206 Δ increment

- 0395 Ε GREEK CAPITAL LETTER EPSILON

- 0396 Ζ GREEK CAPITAL LETTER ZETA

- 0397 Η GREEK CAPITAL LETTER ETA

- 0398 Θ GREEK CAPITAL LETTER THETA

- 0399 Ι GREEK CAPITAL LETTER IOTA
= iota adscript

- 039A Κ GREEK CAPITAL LETTER KAPPA

- 039B Λ GREEK CAPITAL LETTER LAMDA

- 039C Μ GREEK CAPITAL LETTER MU

- 039D Ν GREEK CAPITAL LETTER NU

- 039E Ξ GREEK CAPITAL LETTER XI

- 039F Ο GREEK CAPITAL LETTER OMICRON

- 03A0 Π GREEK CAPITAL LETTER PI
→ 213F Π double-struck capital pi
→ 220F Π n-ary product

- 03A1 Ρ GREEK CAPITAL LETTER RHO

- 03A2 Ϟ <reserved>

- 03A3 Σ GREEK CAPITAL LETTER SIGMA
→ 01A9 Σ latin capital letter esh
→ 2211 Σ n-ary summation

- 03A4 Τ GREEK CAPITAL LETTER TAU

- 03A5 Υ GREEK CAPITAL LETTER UPSILON

- 03A6 Φ GREEK CAPITAL LETTER PHI

- 03A7 Χ GREEK CAPITAL LETTER CHI

- 03A8 Ψ GREEK CAPITAL LETTER PSI

- 03A9 Ω GREEK CAPITAL LETTER OMEGA
→ 2126 Ω ohm sign
→ 2127 Ω inverted ohm sign

- 03AA Ι GREEK CAPITAL LETTER IOTA WITH DIALYTIKA
≡ 0399 Ι 0308 ϝ

- 03AB Υ GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA
≡ 03A5 Υ 0308 ϝ

- 03AC α GREEK SMALL LETTER ALPHA WITH TONOS
≡ 03B1 α 0301 ϝ

- 03AD ε GREEK SMALL LETTER EPSILON WITH TONOS
≡ 03B5 ε 0301 ϝ

- 03AE η GREEK SMALL LETTER ETA WITH TONOS
≡ 03B7 η 0301 ϝ

03AF	í	GREEK SMALL LETTER IOTA WITH TONOS ≡ 03B9 ι 0301 ó
03B0	ύ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS ≡ 03CB ü 0301 ó
03B1	α	GREEK SMALL LETTER ALPHA → 0251 α latin small letter alpha → 221D ∞ proportional to
03B2	β	GREEK SMALL LETTER BETA → 00DF ß latin small letter sharp s → 0180 b latin small letter b with stroke
03B3	γ	GREEK SMALL LETTER GAMMA → 0263 γ latin small letter gamma → 213D γ double-struck small gamma
03B4	δ	GREEK SMALL LETTER DELTA
03B5	ε	GREEK SMALL LETTER EPSILON → 025B ε latin small letter open e
03B6	ζ	GREEK SMALL LETTER ZETA
03B7	η	GREEK SMALL LETTER ETA
03B8	θ	GREEK SMALL LETTER THETA → 0275 θ latin small letter barred o → 0473 ø cyrillic small letter fita
03B9	ι	GREEK SMALL LETTER IOTA → 0269 ι latin small letter iota → 2129 ι turned greek small letter iota
03BA	κ	GREEK SMALL LETTER KAPPA
03BB	λ	GREEK SMALL LETTER LAMDA = lambda
03BC	μ	GREEK SMALL LETTER MU → 00B5 μ micro sign
03BD	ν	GREEK SMALL LETTER NU
03BE	ξ	GREEK SMALL LETTER XI
03BF	ο	GREEK SMALL LETTER OMICRON
03C0	π	GREEK SMALL LETTER PI • math constant 3.141592...
03C1	ρ	GREEK SMALL LETTER RHO
03C2	ς	GREEK SMALL LETTER FINAL SIGMA = stigma (the Modern Greek name for this letterform) • not to be confused with the actual stigma letter → 03DB Ϸ greek small letter stigma
03C3	σ	GREEK SMALL LETTER SIGMA • used symbolically with a numeric value 200
03C4	τ	GREEK SMALL LETTER TAU
03C5	υ	GREEK SMALL LETTER UPSILON → 028A υ latin small letter upsilon → 028B υ latin small letter v with hook
03C6	φ	GREEK SMALL LETTER PHI → 0278 φ latin small letter phi → 03D5 ϕ greek phi symbol • the ordinary Greek letter, showing considerable glyph variation • in mathematical contexts, the loopy glyph is preferred, to contrast with 03D5 ϕ
03C7	χ	GREEK SMALL LETTER CHI
03C8	ψ	GREEK SMALL LETTER PSI
03C9	ω	GREEK SMALL LETTER OMEGA
03CA	ϊ	GREEK SMALL LETTER IOTA WITH DIALYTIKA ≡ 03B9 ι 0308 ö
03CB	ϋ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA ≡ 03C5 υ 0308 ö

03CC	ό	GREEK SMALL LETTER OMICRON WITH TONOS ≡ 03BF ο 0301 ó
03CD	ύ	GREEK SMALL LETTER UPSILON WITH TONOS ≡ 03C5 υ 0301 ó
03CE	ώ	GREEK SMALL LETTER OMEGA WITH TONOS ≡ 03C9 ω 0301 ó

Variant letterforms

03CF	Ϛ	GREEK CAPITAL KAI SYMBOL → 03D7 ϛ greek kai symbol
03D0	Ϝ	GREEK BETA SYMBOL = curled beta ≈ 03B2 β greek small letter beta
03D1	Ϟ	GREEK THETA SYMBOL = script theta • used as a technical symbol ≈ 03B8 θ greek small letter theta
03D2	Ϛ	GREEK UPSILON WITH HOOK SYMBOL ≈ 03A5 Υ greek capital letter upsilon
03D3	ϛ	GREEK UPSILON WITH ACUTE AND HOOK SYMBOL ≡ 03D2 Ϛ 0301 ó
03D4	Ϝ	GREEK UPSILON WITH DIAERESIS AND HOOK SYMBOL ≡ 03D2 Ϛ 0308 ö
03D5	ϕ	GREEK PHI SYMBOL • used as a technical symbol, with a stroked glyph • maps to “phi1” symbol entities ≈ 03C6 ϕ greek small letter phi
03D6	ω	GREEK PI SYMBOL = omega pi • used as a technical symbol • a variant of pi, looking like omega ≈ 03C0 π greek small letter pi
03D7	ϛ	GREEK KAI SYMBOL • used as an ampersand → 2CE4 ϛ coptic symbol kai

Archaic letters

03D8	Ϟ	GREEK LETTER ARCHAIC KOPPA
03D9	ϟ	GREEK SMALL LETTER ARCHAIC KOPPA • the Q-shaped archaic koppas are the ordinary alphabetic letters and can also be used as symbols with a numeric value of 90 in classical and pre-classical texts
03DA	Ϡ	GREEK LETTER STIGMA • apparently in origin a cursive form of digamma • the name “stigma” originally applied to a medieval sigma-tau ligature, whose shape was confusably similar to the cursive digamma • used as a symbol with a numeric value of 6 → 2185 Ϡ roman numeral six late form
03DB	ϡ	GREEK SMALL LETTER STIGMA → 03C2 Ϸ greek small letter final sigma
03DC	Ϣ	GREEK LETTER DIGAMMA
03DD	ϣ	GREEK SMALL LETTER DIGAMMA • used as a symbol with a numeric value of 6
03DE	Ϥ	GREEK LETTER KOPPA
03DF	ϥ	GREEK SMALL LETTER KOPPA • used in modern Greek as a symbol with a numeric value of 90, as in the dating of legal documentation
03E0	Ϧ	GREEK LETTER SAMPI

- 03E1 ϻ GREEK SMALL LETTER SAMPI
 • used as a symbol with a numeric value of 900

Coptic letters derived from Demotic

For other Coptic letters see the Coptic Block.

- 03E2 Ϭ COPTIC CAPITAL LETTER SHEI
 03E3 ϭ COPTIC SMALL LETTER SHEI
 03E4 ϫ COPTIC CAPITAL LETTER FEI
 03E5 ϭ COPTIC SMALL LETTER FEI
 03E6 ϧ COPTIC CAPITAL LETTER KHEI
 03E7 ϧ COPTIC SMALL LETTER KHEI
 03E8 Ϩ COPTIC CAPITAL LETTER HORI
 03E9 Ϩ COPTIC SMALL LETTER HORI
 03EA ϩ COPTIC CAPITAL LETTER GANGIA
 03EB ϩ COPTIC SMALL LETTER GANGIA
 03EC Ϫ COPTIC CAPITAL LETTER SHIMA
 03ED Ϫ COPTIC SMALL LETTER SHIMA
 03EE ϫ COPTIC CAPITAL LETTER DEI
 03EF ϫ COPTIC SMALL LETTER DEI

Variant letterforms

- 03F0 κ GREEK KAPPA SYMBOL
 = script kappa
 • used as technical symbol
 ≈ 03BA κ greek small letter kappa
- 03F1 ϱ GREEK RHO SYMBOL
 = tailed rho
 • used as technical symbol
 ≈ 03C1 ϱ greek small letter rho
- 03F2 ϳ GREEK LUNATE SIGMA SYMBOL
 = greek small letter lunate sigma (1.0)
 ≈ 03C2 ϳ greek small letter final sigma

Additional letter

- 03F3 j GREEK LETTER YOT

Variant letterforms and symbols

- 03F4 Θ GREEK CAPITAL THETA SYMBOL
 → 0472 Θ cyrillic capital letter fita
 ≈ 0398 Θ greek capital letter theta
- 03F5 ε GREEK LUNATE EPSILON SYMBOL
 = straight epsilon
 → 220A ε small element of
 ≈ 03B5 ε greek small letter epsilon
- 03F6 Ϸ GREEK REVERSED LUNATE EPSILON SYMBOL
 = reversed straight epsilon
 → 220D Ϸ small contains as member

Additional archaic letters for Bactrian

- 03F7 Ϭ GREEK CAPITAL LETTER SHO
 03F8 ϭ GREEK SMALL LETTER SHO

Variant letterform

- 03F9 ϭ GREEK CAPITAL LUNATE SIGMA SYMBOL
 ≈ 03A3 ϭ greek capital letter sigma

Archaic letters

- 03FA ϭ GREEK CAPITAL LETTER SAN
 03FB ϭ GREEK SMALL LETTER SAN

Symbol

- 03FC ϭ GREEK RHO WITH STROKE SYMBOL
 • used with abbreviations containing 03C1 ϱ

Editorial symbols

- 03FD ϳ GREEK CAPITAL REVERSED LUNATE SIGMA SYMBOL
 = antisigma
- 03FE ϳ GREEK CAPITAL DOTTED LUNATE SIGMA SYMBOL
 = sigma periestigmenon
- 03FF ϳ GREEK CAPITAL REVERSED DOTTED LUNATE SIGMA SYMBOL
 = antisigma periestigmenon

	040	041	042	043	044	045	046	047	048	049	04A	04B	04C	04D	04E	04F
0	È 0400	А 0410	Р 0420	а 0430	р 0440	è 0450	Ѡ 0460	Ѳ 0470	Ѵ 0480	Г 0490	К 04A0	У 04B0	І 04C0	Ѐ 04D0	З 04E0	Ў 04F0
1	Ё 0401	Б 0411	С 0421	б 0431	с 0441	ё 0451	ѡ 0461	ѳ 0471	ѵ 0481	г 0491	к 04A1	у 04B1	Ж 04C1	ǎ 04D1	з 04E1	ў 04F1
2	Ђ 0402	В 0412	Т 0422	в 0432	т 0442	ђ 0452	Ѣ 0462	Ө 0472	Ѷ 0482	Ғ 0492	Ң 04A2	Х 04B2	Ж 04C2	Ä 04D2	Й 04E2	Ў 04F2
3	Ґ 0403	Г 0413	У 0423	г 0433	у 0443	ѓ 0453	ѣ 0463	ө 0473	ѷ 0483	ғ 0493	ң 04A3	х 04B3	Қ 04C3	ä 04D3	й 04E3	ў 04F3
4	Є 0404	Д 0414	Ф 0424	д 0434	ф 0444	є 0454	Ю 0464	Ѹ 0474	Ѡ 0484	Б 0494	Н 04A4	Ц 04B4	Қ 04C4	Æ 04D4	Й 04E4	Ї 04F4
5	Ɔ 0405	Е 0415	Х 0425	е 0435	х 0445	Ɔ 0455	Ю 0465	ѹ 0475	ѡ 0485	Б 0495	Н 04A5	Ц 04B5	Л 04C5	æ 04D5	й 04E5	Ї 04F5
6	І 0406	Ж 0416	Ц 0426	ж 0436	ц 0446	і 0456	А 0466	Ѻ 0476	Ѣ 0486	Ж 0496	Њ 04A6	Ч 04B6	Л 04C6	Ё 04D6	Ö 04E6	Г 04F6
7	Ї 0407	З 0417	Ч 0427	з 0437	ч 0447	ї 0457	А 0467	ѻ 0477	ѣ 0487	ж 0497	њ 04A7	ч 04B7	Н 04C7	ё 04D7	ö 04E7	г 04F7
8	Ј 0408	И 0418	Ш 0428	и 0438	ш 0448	ј 0458	Ѓ 0468	Оу 0478	ѣ 0488	З 0498	Ѡ 04A8	Ч 04B8	Н 04C8	Э 04D8	Ө 04E8	Ї 04F8
9	Љ 0409	Й 0419	Щ 0429	й 0439	щ 0449	љ 0459	Ѓ 0469	оу 0479	ѣ 0489	з 0499	Ѡ 04A9	ч 04B9	Н 04C9	э 04D9	ө 04E9	ї 04F9
A	Њ 040A	К 041A	Ђ 042A	к 043A	ђ 044A	њ 045A	Ж 046A	О 047A	Й 048A	Қ 049A	Ї 04AA	Һ 04BA	ң 04CA	Э 04DA	Ө 04EA	Ғ 04FA
B	Ћ 040B	Л 041B	Ы 042B	л 043B	ы 044B	ќ 045B	Ж 046B	О 047B	Й 048B	қ 049B	Ї 04AB	Һ 04BB	Ч 04CB	э 04DB	ө 04EB	Ғ 04FB
C	Ќ 040C	М 041C	Ь 042C	м 043C	ь 044C	ќ 045C	Ж 046C	Ѡ 047C	Ђ 048C	К 049C	Т 04AC	Е 04BC	ч 04CC	Ж 04DC	Э 04EC	Х 04FC
D	Ѝ 040D	Н 041D	Э 042D	н 043D	э 044D	ї 045D	Ж 046D	ѡ 047D	Ђ 048D	к 049D	т 04AD	е 04BD	М 04CD	ж 04DD	э 04ED	х 04FD
E	Ў 040E	О 041E	Ю 042E	о 043E	ю 044E	ў 045E	Ж 046E	Ѣ 047E	Р 048E	К 049E	У 04AE	Е 04BE	М 04CE	З 04DE	У 04EE	Ж 04FE
F	Ѵ 040F	П 041F	Я 042F	п 043F	я 044F	ѵ 045F	Ж 046F	ѣ 047F	р 048F	к 049F	у 04AF	е 04BF	І 04CF	з 04DF	у 04EF	ж 04FF

Cyrillic extensions

0400	È	CYRILLIC CAPITAL LETTER IE WITH GRAVE ≡ 0415 E 0300 ò
0401	Ë	CYRILLIC CAPITAL LETTER IO ≡ 0415 E 0308 ö
0402	Ђ	CYRILLIC CAPITAL LETTER DJE
0403	Ѓ	CYRILLIC CAPITAL LETTER GJE ≡ 0413 Г 0301 ó
0404	Є	CYRILLIC CAPITAL LETTER UKRAINIAN IE
0405	Ѕ	CYRILLIC CAPITAL LETTER DZE
0406	І	CYRILLIC CAPITAL LETTER BYELORUSSIAN- UKRAINIAN I → 0049 I latin capital letter i → 0456 і cyrillic small letter byelorussian- ukrainian i → 04C0 I cyrillic letter palochka
0407	Ї	CYRILLIC CAPITAL LETTER YI ≡ 0406 I 0308 ö
0408	Ј	CYRILLIC CAPITAL LETTER JE
0409	Љ	CYRILLIC CAPITAL LETTER LJE
040A	Њ	CYRILLIC CAPITAL LETTER NJE
040B	Ѡ	CYRILLIC CAPITAL LETTER TSHE
040C	Ѣ	CYRILLIC CAPITAL LETTER KJE ≡ 041A К 0301 ó
040D	Ѥ	CYRILLIC CAPITAL LETTER I WITH GRAVE ≡ 0418 И 0300 ò
040E	Ѧ	CYRILLIC CAPITAL LETTER SHORT U ≡ 0423 У 0306 ѳ
040F	Ѩ	CYRILLIC CAPITAL LETTER DZHE
Basic Russian alphabet		
0410	А	CYRILLIC CAPITAL LETTER A
0411	Б	CYRILLIC CAPITAL LETTER BE → 0183 б latin small letter b with topbar
0412	В	CYRILLIC CAPITAL LETTER VE
0413	Г	CYRILLIC CAPITAL LETTER GHE
0414	Д	CYRILLIC CAPITAL LETTER DE
0415	Е	CYRILLIC CAPITAL LETTER IE
0416	Ж	CYRILLIC CAPITAL LETTER ZHE
0417	З	CYRILLIC CAPITAL LETTER ZE
0418	И	CYRILLIC CAPITAL LETTER I
0419	Й	CYRILLIC CAPITAL LETTER SHORT I ≡ 0418 И 0306 ѳ
041A	К	CYRILLIC CAPITAL LETTER KA
041B	Л	CYRILLIC CAPITAL LETTER EL
041C	М	CYRILLIC CAPITAL LETTER EM
041D	Н	CYRILLIC CAPITAL LETTER EN
041E	О	CYRILLIC CAPITAL LETTER O
041F	П	CYRILLIC CAPITAL LETTER PE
0420	Р	CYRILLIC CAPITAL LETTER ER
0421	С	CYRILLIC CAPITAL LETTER ES
0422	Т	CYRILLIC CAPITAL LETTER TE
0423	У	CYRILLIC CAPITAL LETTER U → 0478 0у cyrillic capital letter uk → 04AF у cyrillic small letter straight u → A64A Ѹ cyrillic capital letter monograph uk
0424	Ф	CYRILLIC CAPITAL LETTER EF
0425	Х	CYRILLIC CAPITAL LETTER HA
0426	Ц	CYRILLIC CAPITAL LETTER TSE
0427	Ч	CYRILLIC CAPITAL LETTER CHE
0428	Ш	CYRILLIC CAPITAL LETTER SHA
0429	Щ	CYRILLIC CAPITAL LETTER SHCHA
042A	Ъ	CYRILLIC CAPITAL LETTER HARD SIGN

042B	Ы	CYRILLIC CAPITAL LETTER YERU
042C	Ь	CYRILLIC CAPITAL LETTER SOFT SIGN
042D	Э	CYRILLIC CAPITAL LETTER E
042E	Ю	CYRILLIC CAPITAL LETTER YU
042F	Я	CYRILLIC CAPITAL LETTER YA
0430	а	CYRILLIC SMALL LETTER A
0431	б	CYRILLIC SMALL LETTER BE
0432	в	CYRILLIC SMALL LETTER VE
0433	г	CYRILLIC SMALL LETTER GHE
0434	д	CYRILLIC SMALL LETTER DE
0435	е	CYRILLIC SMALL LETTER IE
0436	ж	CYRILLIC SMALL LETTER ZHE
0437	з	CYRILLIC SMALL LETTER ZE
0438	и	CYRILLIC SMALL LETTER I
0439	й	CYRILLIC SMALL LETTER SHORT I ≡ 0438 и 0306 ѳ
043A	к	CYRILLIC SMALL LETTER KA
043B	л	CYRILLIC SMALL LETTER EL
043C	м	CYRILLIC SMALL LETTER EM
043D	н	CYRILLIC SMALL LETTER EN
043E	о	CYRILLIC SMALL LETTER O
043F	п	CYRILLIC SMALL LETTER PE
0440	р	CYRILLIC SMALL LETTER ER
0441	с	CYRILLIC SMALL LETTER ES
0442	т	CYRILLIC SMALL LETTER TE
0443	у	CYRILLIC SMALL LETTER U
0444	ф	CYRILLIC SMALL LETTER EF
0445	х	CYRILLIC SMALL LETTER HA
0446	ц	CYRILLIC SMALL LETTER TSE
0447	ч	CYRILLIC SMALL LETTER CHE
0448	ш	CYRILLIC SMALL LETTER SHA
0449	щ	CYRILLIC SMALL LETTER SHCHA
044A	ъ	CYRILLIC SMALL LETTER HARD SIGN
044B	ы	CYRILLIC SMALL LETTER YERU → A651 ѢI cyrillic small letter yeru with back yer
044C	ь	CYRILLIC SMALL LETTER SOFT SIGN → 0185 б latin small letter tone six → A64F ѣ cyrillic small letter neutral yer
044D	э	CYRILLIC SMALL LETTER E
044E	ю	CYRILLIC SMALL LETTER YU → A655 ѠI cyrillic small letter reversed yu
044F	я	CYRILLIC SMALL LETTER YA

Cyrillic extensions

0450	è	CYRILLIC SMALL LETTER IE WITH GRAVE • Macedonian ≡ 0435 e 0300 ò
0451	ë	CYRILLIC SMALL LETTER IO • Russian, ... ≡ 0435 e 0308 ö
0452	ђ	CYRILLIC SMALL LETTER DJE • Serbian → 0111 đ latin small letter d with stroke
0453	ѓ	CYRILLIC SMALL LETTER GJE • Macedonian ≡ 0433 г 0301 ó
0454	є	CYRILLIC SMALL LETTER UKRAINIAN IE = Old Cyrillic yest
0455	ѕ	CYRILLIC SMALL LETTER DZE • Macedonian → A643 ѕ cyrillic small letter dzelo

0456	і	CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I = Old Cyrillic i
0457	ї	CYRILLIC SMALL LETTER YI • Ukrainian ≡ 0456 і 0308 ѳ
0458	ј	CYRILLIC SMALL LETTER JE • Serbian, Azerbaijani, Altay
0459	љ	CYRILLIC SMALL LETTER LJE • Serbian, Macedonian → 01C9 Іј latin small letter lj
045A	њ	CYRILLIC SMALL LETTER NJE • Serbian, Macedonian → 01CC њј latin small letter nj
045B	ћ	CYRILLIC SMALL LETTER TSHE • Serbian → 0107 ć latin small letter c with acute → 0127 ħ latin small letter h with stroke → 040B Ћ cyrillic capital letter tshe → 210F ħ planck constant over two pi → A649 А cyrillic small letter djerv
045C	ќ	CYRILLIC SMALL LETTER KJE • Macedonian ≡ 043A К 0301 ѳ
045D	ѝ	CYRILLIC SMALL LETTER I WITH GRAVE • Macedonian, Bulgarian ≡ 0438 и 0300 ѳ
045E	ѧ	CYRILLIC SMALL LETTER SHORT U • Byelorussian, Uzbek ≡ 0443 у 0306 ѳ
045F	Ѩ	CYRILLIC SMALL LETTER DZHE • Serbian, Macedonian, Abkhasian → 01C6 дџ latin small letter dz with caron

Historic letters

0460	Ѡ	CYRILLIC CAPITAL LETTER OMEGA
0461	ѡ	CYRILLIC SMALL LETTER OMEGA → A64D ѡ cyrillic small letter broad omega
0462	Ѣ	CYRILLIC CAPITAL LETTER YAT
0463	ѣ	CYRILLIC SMALL LETTER YAT → A653 ѣ cyrillic small letter iotified yat
0464	Ѥ	CYRILLIC CAPITAL LETTER IOTIFIED E
0465	ѥ	CYRILLIC SMALL LETTER IOTIFIED E
0466	Ѧ	CYRILLIC CAPITAL LETTER LITTLE YUS
0467	ѧ	CYRILLIC SMALL LETTER LITTLE YUS → A659 А cyrillic small letter closed little yus → A65B ѧ cyrillic small letter blended yus
0468	Ѩ	CYRILLIC CAPITAL LETTER IOTIFIED LITTLE YUS
0469	ѩ	CYRILLIC SMALL LETTER IOTIFIED LITTLE YUS → 044F я cyrillic small letter ya → A65D ѩ cyrillic small letter iotified closed little yus
046A	Ѫ	CYRILLIC CAPITAL LETTER BIG YUS
046B	ѫ	CYRILLIC SMALL LETTER BIG YUS → A65B ѧ cyrillic small letter blended yus
046C	Ѭ	CYRILLIC CAPITAL LETTER IOTIFIED BIG YUS
046D	ѭ	CYRILLIC SMALL LETTER IOTIFIED BIG YUS
046E	Ѯ	CYRILLIC CAPITAL LETTER KSI
046F	ѯ	CYRILLIC SMALL LETTER KSI
0470	Ѱ	CYRILLIC CAPITAL LETTER PSI
0471	ѱ	CYRILLIC SMALL LETTER PSI
0472	Ѳ	CYRILLIC CAPITAL LETTER FITA

0473	ѳ	CYRILLIC SMALL LETTER FITA → 0275 ѳ latin small letter barred o → 03B8 θ greek small letter theta
0474	Ѵ	CYRILLIC CAPITAL LETTER IZHITSA
0475	ѵ	CYRILLIC SMALL LETTER IZHITSA
0476	Ѷ	CYRILLIC CAPITAL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT ≡ 0474 Ѵ 030F ѳ
0477	ѷ	CYRILLIC SMALL LETTER IZHITSA WITH DOUBLE GRAVE ACCENT ≡ 0475 ѵ 030F ѳ
0478	Ѹ	CYRILLIC CAPITAL LETTER UK • may be rendered as either monograph or digraph form • for "digraph uk" the preferred spelling is 041E Ѹ 0443 у • for "monograph uk" the preferred character is A64A Ѹ → 0423 Ѹ cyrillic capital letter u
0479	ѹ	CYRILLIC SMALL LETTER UK • for "digraph uk" the preferred spelling is 043E ѹ 0443 у • for "monograph uk" the preferred character is A64B ѹ
047A	Ѻ	CYRILLIC CAPITAL LETTER ROUND OMEGA
047B	ѻ	CYRILLIC SMALL LETTER ROUND OMEGA
047C	Ѽ	CYRILLIC CAPITAL LETTER OMEGA WITH TITLO = Cyrillic "beautiful omega" • despite its name, this character does not have a titlo, nor is it composed of an omega plus a diacritic → A64C Ѽ cyrillic capital letter broad omega
047D	ѽ	CYRILLIC SMALL LETTER OMEGA WITH TITLO
047E	Ѿ	CYRILLIC CAPITAL LETTER OT
047F	ѿ	CYRILLIC SMALL LETTER OT
0480	Ѡ	CYRILLIC CAPITAL LETTER KOPPA
0481	ѡ	CYRILLIC SMALL LETTER KOPPA

Historic miscellaneous

0482	Ѣ	CYRILLIC THOUSANDS SIGN
0483	ѣ	COMBINING CYRILLIC TITLO • not used with letter titlos → A66F ѣ combining cyrillic vzmet
0484	Ѥ	COMBINING CYRILLIC PALATALIZATION → 033E Ѥ combining vertical tilde
0485	ѥ	COMBINING CYRILLIC DASIA PNEUMATA → 0314 ѥ combining reversed comma above
0486	Ѧ	COMBINING CYRILLIC PSILI PNEUMATA → 0313 Ѧ combining comma above
0487	ѧ	COMBINING CYRILLIC POKRYTIE • used only with letter titlos → 0311 ѧ combining inverted breve → A66F ѣ combining cyrillic vzmet
0488	Ѩ	COMBINING CYRILLIC HUNDRED THOUSANDS SIGN • use 20DDⓈ for ten thousands sign
0489	ѩ	COMBINING CYRILLIC MILLIONS SIGN → A670 ѩ combining cyrillic ten millions sign

Extended Cyrillic

048A	Ѫ	CYRILLIC CAPITAL LETTER SHORT I WITH TAIL
048B	ѫ	CYRILLIC SMALL LETTER SHORT I WITH TAIL • Kildin Sami
048C	Ѭ	CYRILLIC CAPITAL LETTER SEMISOFT SIGN

048D	ѣ	CYRILLIC SMALL LETTER SEMISOFT SIGN • Kildin Sami	04AB	Ҹ	CYRILLIC SMALL LETTER ES WITH DESCENDER • Bashkir, Chuvash • letterforms with right hooks are preferred, although occasional variants with left hooks occur • in Chuvashia, letterforms identical to or similar in form to 00E7 ç regularly occur
048E	Ѳ	CYRILLIC CAPITAL LETTER ER WITH TICK	04AC	Ѳ	CYRILLIC CAPITAL LETTER TE WITH DESCENDER
048F	ѳ	CYRILLIC SMALL LETTER ER WITH TICK • Kildin Sami	04AD	ѳ	CYRILLIC SMALL LETTER TE WITH DESCENDER • Abkhasian
0490	Ґ	CYRILLIC CAPITAL LETTER GHE WITH UPTURN	04AE	Ү	CYRILLIC CAPITAL LETTER STRAIGHT U
0491	ґ	CYRILLIC SMALL LETTER GHE WITH UPTURN • Ukrainian	04AF	ү	CYRILLIC SMALL LETTER STRAIGHT U • stem is straight, unlike LETTER U • Azerbaijani, Bashkir, ... → 0423 Ү cyrillic capital letter u
0492	Ғ	CYRILLIC CAPITAL LETTER GHE WITH STROKE	04B0	Ү	CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE
0493	ғ	CYRILLIC SMALL LETTER GHE WITH STROKE • Azerbaijani, Bashkir, ... • full bar form preferred over half-barred "F"-type	04B1	ү	CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE • Kazakh
0494	Ҥ	CYRILLIC CAPITAL LETTER GHE WITH MIDDLE HOOK	04B2	Х	CYRILLIC CAPITAL LETTER HA WITH DESCENDER
0495	ҥ	CYRILLIC SMALL LETTER GHE WITH MIDDLE HOOK • Yakut, older orthographies for Abkhasian	04B3	х	CYRILLIC SMALL LETTER HA WITH DESCENDER • Abkhasian, Tajik, Uzbek
0496	Җ	CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER	04B4	Ң	CYRILLIC CAPITAL LIGATURE TE TSE
0497	ж	CYRILLIC SMALL LETTER ZHE WITH DESCENDER • Tatar, ...	04B5	ң	CYRILLIC SMALL LIGATURE TE TSE • Abkhasian • this is not a decomposable ligature
0498	З	CYRILLIC CAPITAL LETTER ZE WITH DESCENDER	04B6	Ң	CYRILLIC CAPITAL LETTER CHE WITH DESCENDER
0499	з	CYRILLIC SMALL LETTER ZE WITH DESCENDER • Bashkir • letterforms with right hooks are preferred, although occasional variants with left hooks occur	04B7	ң	CYRILLIC SMALL LETTER CHE WITH DESCENDER • Abkhasian, Tajik
049A	Қ	CYRILLIC CAPITAL LETTER KA WITH DESCENDER	04B8	Ң	CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE
049B	қ	CYRILLIC SMALL LETTER KA WITH DESCENDER • Abkhasian, Tajik, ...	04B9	ң	CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE • Azerbaijani
049C	Ҡ	CYRILLIC CAPITAL LETTER KA WITH VERTICAL STROKE	04BA	Һ	CYRILLIC CAPITAL LETTER SHHA
049D	қ	CYRILLIC SMALL LETTER KA WITH VERTICAL STROKE • Azerbaijani	04BB	һ	CYRILLIC SMALL LETTER SHHA • originally derived from Latin "h", but uppercase form 04BA Һ is closer to an inverted che (0427 Ч) • Azerbaijani, Bashkir, ... → 0068 h latin small letter h
049E	Ҡ	CYRILLIC CAPITAL LETTER KA WITH STROKE	04BC	Ң	CYRILLIC CAPITAL LETTER ABKHASIAN CHE
049F	қ	CYRILLIC SMALL LETTER KA WITH STROKE • Abkhasian	04BD	ң	CYRILLIC SMALL LETTER ABKHASIAN CHE
04A0	Ҡ	CYRILLIC CAPITAL LETTER BASHKIR KA	04BE	Ң	CYRILLIC CAPITAL LETTER ABKHASIAN CHE WITH DESCENDER
04A1	қ	CYRILLIC SMALL LETTER BASHKIR KA	04BF	ң	CYRILLIC SMALL LETTER ABKHASIAN CHE WITH DESCENDER • some older Abkhaz fonts show a descender shaped like a right hook (ogonek or reversed comma shape)
04A2	Ң	CYRILLIC CAPITAL LETTER EN WITH DESCENDER	04C0	І	CYRILLIC LETTER PALOCHKA • aspiration sign in many Caucasian languages • is usually not cased, but the formal lowercase is 04CF І → 0049 І latin capital letter i → 0406 І cyrillic capital letter byelorussian-ukrainian i
04A3	н	CYRILLIC SMALL LETTER EN WITH DESCENDER • Bashkir, ...	04C1	Җ	CYRILLIC CAPITAL LETTER ZHE WITH BREVE ≡ 0416 Ж 0306 ъ
04A4	Ң	CYRILLIC CAPITAL LIGATURE EN GHE			
04A5	ң	CYRILLIC SMALL LIGATURE EN GHE • Altay, Mari, Yakut • this is not a decomposable ligature			
04A6	Ҥ	CYRILLIC CAPITAL LETTER PE WITH MIDDLE HOOK			
04A7	ҥ	CYRILLIC SMALL LETTER PE WITH MIDDLE HOOK • older orthographies for Abkhasian			
04A8	Ӓ	CYRILLIC CAPITAL LETTER ABKHASIAN HA			
04A9	ӓ	CYRILLIC SMALL LETTER ABKHASIAN HA			
04AA	Ҹ	CYRILLIC CAPITAL LETTER ES WITH DESCENDER			

	050	051	052
0	Д 0500	Е 0510	Љ 0520
1	д 0501	е 0511	љ 0521
2	Ђ 0502	Ј 0512	Ѓ 0522
3	ђ 0503	ј 0513	ѓ 0523
4	Ѓ 0504	ЈХ 0514	Ц 0524
5	ѓ 0505	јх 0515	ц 0525
6	Ѓ 0506	К 0516	ћ 0526
7	ѓ 0507	к 0517	ћ 0527
8	Ј 0508	Æ 0518	
9	ј 0509	æ 0519	
A	Н 050A	Q 051A	
B	н 050B	q 051B	
C	Г 050C	W 051C	
D	г 050D	w 051D	
E	Т 050E	К 051E	
F	т 050F	к 051F	

Komi letters

0500	Ӏ	CYRILLIC CAPITAL LETTER KOMI DE
0501	Ӂ	CYRILLIC SMALL LETTER KOMI DE
0502	ӂ	CYRILLIC CAPITAL LETTER KOMI DJE
0503	Ӄ	CYRILLIC SMALL LETTER KOMI DJE
0504	ӄ	CYRILLIC CAPITAL LETTER KOMI ZJE
0505	Ӆ	CYRILLIC SMALL LETTER KOMI ZJE
0506	ӆ	CYRILLIC CAPITAL LETTER KOMI DZJE
0507	Ӈ	CYRILLIC SMALL LETTER KOMI DZJE
0508	ӈ	CYRILLIC CAPITAL LETTER KOMI LJE
0509	Ӊ	CYRILLIC SMALL LETTER KOMI LJE
050A	ӊ	CYRILLIC CAPITAL LETTER KOMI NJE
050B	Ӌ	CYRILLIC SMALL LETTER KOMI NJE
050C	ӌ	CYRILLIC CAPITAL LETTER KOMI SJE
050D	Ӎ	CYRILLIC SMALL LETTER KOMI SJE
050E	ӎ	CYRILLIC CAPITAL LETTER KOMI TJE
050F	ӏ	CYRILLIC SMALL LETTER KOMI TJE

Khanty letters

0510	Ӑ	CYRILLIC CAPITAL LETTER REVERSED ZE
0511	ӑ	CYRILLIC SMALL LETTER REVERSED ZE
		• also used for Enets
0512	Ӓ	CYRILLIC CAPITAL LETTER EL WITH HOOK
0513	ӓ	CYRILLIC SMALL LETTER EL WITH HOOK
		• also used for Chukchi and Itelmen

Mordvin letters

0514	Ӕ	CYRILLIC CAPITAL LETTER LHA
0515	ӕ	CYRILLIC SMALL LETTER LHA
		= voiceless l
0516	Ӗ	CYRILLIC CAPITAL LETTER RHA
0517	ӗ	CYRILLIC SMALL LETTER RHA
		= voiceless r
0518	Ә	CYRILLIC CAPITAL LETTER YAE
0519	ә	CYRILLIC SMALL LETTER YAE

Kurdish letters

051A	Q	CYRILLIC CAPITAL LETTER QA
051B	q	CYRILLIC SMALL LETTER QA
051C	W	CYRILLIC CAPITAL LETTER WE
051D	w	CYRILLIC SMALL LETTER WE

Aleut letters

051E	Ӛ	CYRILLIC CAPITAL LETTER ALEUT KA
051F	ӛ	CYRILLIC SMALL LETTER ALEUT KA
		• used for [q] in Aleut

Chuvash letters

These are obsolete letters formerly used in Jakovlev's Chuvash orthography.

0520	Ӝ	CYRILLIC CAPITAL LETTER EL WITH MIDDLE HOOK
0521	ӝ	CYRILLIC SMALL LETTER EL WITH MIDDLE HOOK
		= palatalized l
0522	Ӟ	CYRILLIC CAPITAL LETTER EN WITH MIDDLE HOOK
0523	ӟ	CYRILLIC SMALL LETTER EN WITH MIDDLE HOOK
		= palatalized n


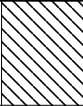








Abkhaz letters

0524	Ӡ	CYRILLIC CAPITAL LETTER PE WITH DESCENDER
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0525	ӡ	CYRILLIC SMALL LETTER PE WITH DESCENDER
		• used in modern Abkhaz orthography
		→ 04A7 Ӣ cyrillic small letter pe with middle hook

Azerbaijani letters

0526	Ӣ	CYRILLIC CAPITAL LETTER SHHA WITH DESCENDER
0527	ӣ	CYRILLIC SMALL LETTER SHHA WITH DESCENDER

	053	054	055	056	057	058
0		Հ 0540	Ր 0550		Տ 0570	Ր 0580
1	Ա 0531	Զ 0541	Յ 0551	Մ 0561	Ճ 0571	Գ 0581
2	Բ 0532	Ղ 0542	Ի 0552	Բ 0562	Ղ 0572	Լ 0582
3	Գ 0533	Ճ 0543	Փ 0553	Գ 0563	Ճ 0573	Փ 0583
4	Դ 0534	Մ 0544	Ք 0554	Դ 0564	Մ 0574	Ք 0584
5	Ե 0535	Յ 0545	Օ 0555	Ե 0565	Յ 0575	Օ 0585
6	Զ 0536	Ն 0546	Ծ 0556	Զ 0566	Ն 0576	Ծ 0586
7	Է 0537	Շ 0547		Է 0567	Շ 0577	Է 0587
8	Ը 0538	Ո 0548		Ը 0568	Ո 0578	
9	Թ 0539	Չ 0549	Ս 0559	Թ 0569	Չ 0579	Ս 0589
A	Ժ 053A	Պ 054A	Վ 055A	Ժ 056A	Պ 057A	Վ 058A
B	Ի 053B	Ջ 054B	Վ 055B	Ի 056B	Ջ 057B	
C	Լ 053C	Դ 054C	Ս 055C	Լ 056C	Դ 057C	
D	Խ 053D	Մ 054D	Վ 055D	Խ 056D	Մ 057D	
E	Ծ 053E	Վ 054E	Ս 055E	Ծ 056E	Վ 057E	
F	Կ 053F	Տ 054F	Վ 055F	Կ 056F	Տ 057F	

Uppercase letters

0531	Ա	ARMENIAN CAPITAL LETTER AYB
0532	Բ	ARMENIAN CAPITAL LETTER BEN
0533	Գ	ARMENIAN CAPITAL LETTER GIM
0534	Դ	ARMENIAN CAPITAL LETTER DA
0535	Ե	ARMENIAN CAPITAL LETTER ECH
0536	Զ	ARMENIAN CAPITAL LETTER ZA
0537	Է	ARMENIAN CAPITAL LETTER EH
0538	Ը	ARMENIAN CAPITAL LETTER ET
0539	Թ	ARMENIAN CAPITAL LETTER TO
053A	Ճ	ARMENIAN CAPITAL LETTER ZHE
053B	Ի	ARMENIAN CAPITAL LETTER INI
053C	Լ	ARMENIAN CAPITAL LETTER LIWN
053D	Խ	ARMENIAN CAPITAL LETTER XEH
053E	Վ	ARMENIAN CAPITAL LETTER CA
053F	Կ	ARMENIAN CAPITAL LETTER KEN
0540	Հ	ARMENIAN CAPITAL LETTER HO
0541	Ձ	ARMENIAN CAPITAL LETTER JA
0542	Ղ	ARMENIAN CAPITAL LETTER GHAD
0543	Ճ	ARMENIAN CAPITAL LETTER CHEH
0544	Մ	ARMENIAN CAPITAL LETTER MEN
0545	Ի	ARMENIAN CAPITAL LETTER YI
0546	Ն	ARMENIAN CAPITAL LETTER NOW
0547	Շ	ARMENIAN CAPITAL LETTER SHA
0548	Ո	ARMENIAN CAPITAL LETTER VO
0549	Չ	ARMENIAN CAPITAL LETTER CHA
054A	Պ	ARMENIAN CAPITAL LETTER PEH
054B	Ջ	ARMENIAN CAPITAL LETTER JHEH
054C	Ռ	ARMENIAN CAPITAL LETTER RA
054D	Ս	ARMENIAN CAPITAL LETTER SEH
054E	Վ	ARMENIAN CAPITAL LETTER VEV
054F	Տ	ARMENIAN CAPITAL LETTER TIWN
0550	Ր	ARMENIAN CAPITAL LETTER REH
0551	Թ	ARMENIAN CAPITAL LETTER CO
0552	Ի	ARMENIAN CAPITAL LETTER YIWN
0553	Փ	ARMENIAN CAPITAL LETTER PIWR
0554	Ք	ARMENIAN CAPITAL LETTER KEH
0555	Օ	ARMENIAN CAPITAL LETTER OH
0556	Ֆ	ARMENIAN CAPITAL LETTER FEH

Modifier letters

















































































































0559	◌˘	ARMENIAN MODIFIER LETTER LEFT HALF RING → 02BD ◌˘ modifier letter reversed comma → 02BF ◌˘ modifier letter left half ring → 0314 ◌˘ combining reversed comma above
055A	◌˙	ARMENIAN APOSTROPHE = armenian modifier letter right half ring (1.0) → 02BC ◌˙ modifier letter apostrophe → 02BE ◌˙ modifier letter right half ring → 0313 ◌˙ combining comma above
055B	◌˚	ARMENIAN EMPHASIS MARK = shesht → 02CA ◌˚ modifier letter acute accent
055C	◌~	ARMENIAN EXCLAMATION MARK = batsaganchakan nshan
055D	◌˘	ARMENIAN COMMA = bowt → 02CB ◌˘ modifier letter grave accent
055E	◌◌	ARMENIAN QUESTION MARK = hartsakan nshan
055F	◌˘	ARMENIAN ABBREVIATION MARK = patiw

Lowercase letters

0561	ա	ARMENIAN SMALL LETTER AYB
0562	բ	ARMENIAN SMALL LETTER BEN
0563	գ	ARMENIAN SMALL LETTER GIM
0564	դ	ARMENIAN SMALL LETTER DA
0565	ե	ARMENIAN SMALL LETTER ECH
0566	զ	ARMENIAN SMALL LETTER ZA
0567	է	ARMENIAN SMALL LETTER EH
0568	ը	ARMENIAN SMALL LETTER ET
0569	թ	ARMENIAN SMALL LETTER TO
056A	ճ	ARMENIAN SMALL LETTER ZHE
056B	ի	ARMENIAN SMALL LETTER INI
056C	լ	ARMENIAN SMALL LETTER LIWN
056D	խ	ARMENIAN SMALL LETTER XEH
056E	վ	ARMENIAN SMALL LETTER CA
056F	կ	ARMENIAN SMALL LETTER KEN
0570	հ	ARMENIAN SMALL LETTER HO
0571	ձ	ARMENIAN SMALL LETTER JA
0572	ղ	ARMENIAN SMALL LETTER GHAD
0573	ճ	ARMENIAN SMALL LETTER CHEH
0574	մ	ARMENIAN SMALL LETTER MEN
0575	յ	ARMENIAN SMALL LETTER YI
0576	ն	ARMENIAN SMALL LETTER NOW
0577	շ	ARMENIAN SMALL LETTER SHA
0578	ո	ARMENIAN SMALL LETTER VO
0579	չ	ARMENIAN SMALL LETTER CHA
057A	պ	ARMENIAN SMALL LETTER PEH
057B	Ջ	ARMENIAN SMALL LETTER JHEH
057C	ր	ARMENIAN SMALL LETTER RA
057D	ս	ARMENIAN SMALL LETTER SEH
057E	վ	ARMENIAN SMALL LETTER VEV
057F	տ	ARMENIAN SMALL LETTER TIWN
0580	ր	ARMENIAN SMALL LETTER REH
0581	ց	ARMENIAN SMALL LETTER CO
0582	լ	ARMENIAN SMALL LETTER YIWN
0583	փ	ARMENIAN SMALL LETTER PIWR
0584	ք	ARMENIAN SMALL LETTER KEH
0585	օ	ARMENIAN SMALL LETTER OH
0586	ֆ	ARMENIAN SMALL LETTER FEH
0587	և	ARMENIAN SMALL LIGATURE ECH YIWN ≈ 0565 ե 0582 լ

Punctuation

0589	:	ARMENIAN FULL STOP = vertsaket • may also be used for historic Georgian texts → 003A : colon
058A	–	ARMENIAN HYPHEN = yentamna

	059	05A	05B	05C	05D	05E	05F
0		 05A0	 05B0	 05C0	 05D0	 05E0	 05F0
1	 0591	 05A1	 05B1	 05C1	 05D1	 05E1	 05F1
2	 0592	 05A2	 05B2	 05C2	 05D2	 05E2	 05F2
3	 0593	 05A3	 05B3	 05C3	 05D3	 05E3	 05F3
4	 0594	 05A4	 05B4	 05C4	 05D4	 05E4	 05F4
5	 0595	 05A5	 05B5	 05C5	 05D5	 05E5	
6	 0596	 05A6	 05B6	 05C6	 05D6	 05E6	
7	 0597	 05A7	 05B7	 05C7	 05D7	 05E7	
8	 0598	 05A8	 05B8		 05D8	 05E8	
9	 0599	 05A9	 05B9		 05D9	 05E9	
A	 059A	 05AA	 05BA		 05DA	 05EA	
B	 059B	 05AB	 05BB		 05DB		
C	 059C	 05AC	 05BC		 05DC		
D	 059D	 05AD	 05BD		 05DD		
E	 059E	 05AE	 05BE		 05DE		
F	 059F	 05AF	 05BF		 05DF		

Cantillation marks

0591	◌̇	HEBREW ACCENT ETNAHTA = atnah
0592	◌̈	HEBREW ACCENT SEGOL = segolta
0593	◌̉	HEBREW ACCENT SHALSHELET
0594	◌̊	HEBREW ACCENT ZAQEF QATAN
0595	◌̋	HEBREW ACCENT ZAQEF GADOL
0596	◌̌	HEBREW ACCENT TIPEHA = tarha, me'ayla ~ mayla
0597	◌̍	HEBREW ACCENT REVIA
0598	◌̎	HEBREW ACCENT ZARQA = tsinorit, zinorit; tsinor, zinor • This character is to be used when Zarqa or Tsinor are placed above, and also for Tsinorit. → 05AE ◌̎ hebrew accent zinor
0599	◌̏	HEBREW ACCENT PASHTA
059A	◌̐	HEBREW ACCENT YETIV
059B	◌̑	HEBREW ACCENT TEVIR
059C	◌̒	HEBREW ACCENT GERESH = teres
059D	◌̓	HEBREW ACCENT GERESH MUQDAM
059E	◌̔	HEBREW ACCENT GERSHAYIM
059F	◌̕	HEBREW ACCENT QARNEY PARA = pazer gadol
05A0	◌̖	HEBREW ACCENT TELISHA GEDOLA
05A1	◌̗	HEBREW ACCENT PAZER = pazer qatan
05A2	◌̘	HEBREW ACCENT ATNAH HAFUKH → 05AA ◌̘ hebrew accent yerah ben yomo
05A3	◌̙	HEBREW ACCENT MUNAH
05A4	◌̚	HEBREW ACCENT MAHAPAKH
05A5	◌̛	HEBREW ACCENT MERKHA = yored
05A6	◌̜	HEBREW ACCENT MERKHA KEFULA
05A7	◌̝	HEBREW ACCENT DARGA
05A8	◌̞	HEBREW ACCENT QADMA = azla
05A9	◌̟	HEBREW ACCENT TELISHA QETANA
05AA	◌̠	HEBREW ACCENT YERAH BEN YOMO = galgal → 05A2 ◌̘ hebrew accent atnah hafukh
05AB	◌̡	HEBREW ACCENT OLE
05AC	◌̢	HEBREW ACCENT ILUY
05AD	◌̣	HEBREW ACCENT DEHI
05AE	◌̤	HEBREW ACCENT ZINOR = tsinor; zarqa • This character is to be used when Zarqa or Tsinor are placed above left. → 0598 ◌̎ hebrew accent zarqa
05AF	◌̥	HEBREW MARK MASORA CIRCLE

Points and punctuation

05B0	◌̦	HEBREW POINT SHEVA
05B1	◌̧	HEBREW POINT HATAF SEGOL
05B2	◌̨	HEBREW POINT HATAF PATAH
05B3	◌̩	HEBREW POINT HATAF QAMATS
05B4	◌̪	HEBREW POINT HIRIQ
05B5	◌̫	HEBREW POINT TSERE
05B6	◌̬	HEBREW POINT SEGOL
05B7	◌̭	HEBREW POINT PATAH • furtive patah is not a distinct character

05B8	◌̮	HEBREW POINT QAMATS • used generically or as qamats gadol in orthography which distinguishes that from qamats qatan → 05C7 ◌̮ hebrew point qamats qatan
05B9	◌̯	HEBREW POINT HOLAM
05BA	◌̰	HEBREW POINT HOLAM HASER FOR VAV
05BB	◌̱	HEBREW POINT QUBUTS
05BC	◌̲	HEBREW POINT DAGESH OR MAPIQ = shuruq • falls within the base letter
05BD	◌̳	HEBREW POINT METEG = siluq • may be used as a Hebrew accent sof pasuq
05BE	◌̴	HEBREW PUNCTUATION MAQAF
05BF	◌̵	HEBREW POINT RAFE → FB1E ◌̵ hebrew point judeo-spanish varika
05C0	◌̶	HEBREW PUNCTUATION PASEQ = legarmeh • may be treated as spacing punctuation, not as a point → 007C | vertical line
05C1	◌̷	HEBREW POINT SHIN DOT
05C2	◌̸	HEBREW POINT SIN DOT
05C3	◌̹	HEBREW PUNCTUATION SOF PASUQ • may be used as a Hebrew punctuation colon → 003A : colon

Puncta extraordinaria

05C4	◌̺	HEBREW MARK UPPER DOT
05C5	◌̻	HEBREW MARK LOWER DOT • punctum extraordinarium (Psalms 27:13) → 05B4 ◌̮ hebrew point hiriq

Points and punctuation

05C6	◌̼	HEBREW PUNCTUATION NUN HAFUKHA • does not historically derive from the letter nun → 05E0 ◌̼ hebrew letter nun
05C7	◌̽	HEBREW POINT QAMATS QATAN → 05B8 ◌̮ hebrew point qamats

Based on ISO 8859-8

05D0	◌̾	HEBREW LETTER ALEF = aleph → 2135 ◌̾ alef symbol
05D1	◌̿	HEBREW LETTER BET → 2136 ◌̿ bet symbol
05D2	◌̺	HEBREW LETTER GIMEL → 2137 ◌̺ gimel symbol
05D3	◌̻	HEBREW LETTER DALET → 2138 ◌̻ dalet symbol
05D4	◌̼	HEBREW LETTER HE
05D5	◌̽	HEBREW LETTER VAV
05D6	◌̾	HEBREW LETTER ZAYIN
05D7	◌̿	HEBREW LETTER HET
05D8	◌̺	HEBREW LETTER TET
05D9	◌̻	HEBREW LETTER YOD
05DA	◌̼	HEBREW LETTER FINAL KAF
05DB	◌̽	HEBREW LETTER KAF
05DC	◌̾	HEBREW LETTER LAMED
05DD	◌̿	HEBREW LETTER FINAL MEM
05DE	◌̺	HEBREW LETTER MEM
05DF	◌̻	HEBREW LETTER FINAL NUN
05E0	◌̼	HEBREW LETTER NUN

05E1	ס	HEBREW LETTER SAMEKH
05E2	ע	HEBREW LETTER AYIN
05E3	ף	HEBREW LETTER FINAL PE
05E4	פ	HEBREW LETTER PE
05E5	ץ	HEBREW LETTER FINAL TSADI
05E6	צ	HEBREW LETTER TSADI = zade
05E7	ק	HEBREW LETTER QOF
05E8	ר	HEBREW LETTER RESH
05E9	ש	HEBREW LETTER SHIN
05EA	ת	HEBREW LETTER TAV

Yiddish digraphs

05F0	װ	HEBREW LIGATURE YIDDISH DOUBLE VAV = tsvey vovn
05F1	ױ	HEBREW LIGATURE YIDDISH VAV YOD
05F2	ײ	HEBREW LIGATURE YIDDISH DOUBLE YOD = tsvey yudn

Additional punctuation

05F3	'	HEBREW PUNCTUATION GERESH
05F4	"	HEBREW PUNCTUATION GERSHAYIM

	060	061	062	063	064	065	066	067	068	069	06A	06B	06C	06D	06E	06F	
0		0610	0620	ذ	-	0650	0660	0670	پ	ت	ث	ج	ه	ي	06E0	06F0	
1		0611	ع	ر	ف	0651	0661	0671	أ	ح	ر	ف	ج	ه	ي	06E1	06F1
2		0612	ح	ز	ق	0652	0662	0672	أ	خ	ز	ب	ج	ه	ي	06E2	06F2
3		0613	ض	أ	س	ك	0653	0663	أ	ح	ب	ج	ت	ه	ي	06E3	06F3
4		0614	و	ش	ل	0654	0664	0674	ج	ر	ف	ج	و	-	06E4	06F4	
5		0615	ط	إ	ص	م	0655	0665	أ	خ	ب	ل	و	ه	ر	06F5	
6	0606	0616	ي	ض	ن	0656	0666	0676	ج	و	ق	ل	و	ط	ه	06F6	
7	0607	0617	ا	ط	ه	0657	0667	0677	ج	و	ف	ث	و	ط	ه	06F7	
8	0608	0618	ب	ظ	و	0658	0668	0678	د	ث	ق	ل	و	ن	06E8	06F8	
9	0609	0619	ة	ع	ي	0659	0669	0679	ت	د	ك	ب	و	لا		06F9	
A	060A	061A	ت	غ	ي	065A	066A	067A	ن	ب	ك	ر	ق	ج	06EA	06FA	
B	060B	061B	ث	ك	064B	065B	066B	067B	ب	ب	ك	ن	و	ن	06EB	06FB	
C	060C		ج	ك	064C	065C	066C	067C	ت	ت	ن	ب	ي	ن	06EC	06FC	
D	060D		ح	ي	064D	065D	066D	067D	ت	د	ص	ك	ن	ي		06ED	06FD
E	060E	061E	خ	ي	064E	065E	066E	067E	ت	ث	ص	ك	ه	ي		06EE	06FE
F	060F	061F	د	ث	064F	065F	066F	067F	ت	ت	ظ	ك	ف	ن	ر	06FF	

Subtending marks

0600	☐	ARABIC NUMBER SIGN
0601	☐	ARABIC SIGN SANAH
0602	☐	ARABIC FOOTNOTE MARKER
0603	☐	ARABIC SIGN SAFHA

Radix symbols

0606	∛	ARABIC-INDIC CUBE ROOT → 221B ∛ cube root
0607	∜	ARABIC-INDIC FOURTH ROOT → 221C ∜ fourth root

Letterlike symbol

0608	ﺀ	ARABIC RAY
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Punctuation

0609	‰	ARABIC-INDIC PER MILLE SIGN → 2030 ‰ per mille sign
060A	‱	ARABIC-INDIC PER TEN THOUSAND SIGN → 2031 ‱ per ten thousand sign

Currency sign

060B	؄	AFGHANI SIGN
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Punctuation

060C	؃	ARABIC COMMA • also used with Thaana and Syriac in modern text → 002C , comma
060D	؅	ARABIC DATE SEPARATOR

Poetic marks

060E	ﻋ	ARABIC POETIC VERSE SIGN
060F	ﻋ	ARABIC SIGN MISRA

Honorifics

0610	ﻋ	ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM • represents sallallahu alayhe wasallam “may God’s peace and blessings be upon him”
0611	ﻋ	ARABIC SIGN ALAYHE ASSALLAM • represents alayhe assalam “upon him be peace”
0612	ﻋ	ARABIC SIGN RAHMATULLAH ALAYHE • represents rahmatullah alayhe “may God have mercy upon him”
0613	ﻋ	ARABIC SIGN RADI ALLAHOU ANHU • represents radi allahu ‘anhu “may God be pleased with him”
0614	ﻋ	ARABIC SIGN TAKHALLUS • sign placed over the name or nom-de-plume of a poet, or in some writings used to mark all proper names

Koranic annotation sign

0615	ﻋ	ARABIC SMALL HIGH TAH • marks a recommended pause position in some Korans published in Iran and Pakistan • should not be confused with the small TAH sign used as a diacritic for some letters such as ﺕ
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Extended Arabic mark

0616	ﻋ	ARABIC SMALL HIGH LIGATURE ALEF WITH LAM WITH YEH • early Persian
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Koranic annotation signs

0617	ﻋ	ARABIC SMALL HIGH ZAIN
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0618	ﻋ	ARABIC SMALL FATHA • should not be confused with 064E ﻋ FATHA
0619	ﻋ	ARABIC SMALL DAMMA • should not be confused with 064F ﻋ DAMMA
061A	ﻋ	ARABIC SMALL KASRA • should not be confused with 0650 ﻋ KASRA

Punctuation

061B	؛	ARABIC SEMICOLON • also used with Thaana and Syriac in modern text → 003B ; semicolon
061C	☐	<reserved>
061D	☐	<reserved>
061E	⋯	ARABIC TRIPLE DOT PUNCTUATION MARK
061F	؟	ARABIC QUESTION MARK • also used with Thaana and Syriac in modern text → 003F ? question mark → 2E2E ؟ reversed question mark

Addition for Kashmiri

0620	ﻋ	ARABIC LETTER KASHMIRI YEH
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Based on ISO 8859-6

0621	ﺀ	ARABIC LETTER HAMZA → 02BE ʾ modifier letter right half ring
0622	ﺀ	ARABIC LETTER ALEF WITH MADDA ABOVE ≡ 0627 ʾ 0653 ﻋ
0623	ﺀ	ARABIC LETTER ALEF WITH HAMZA ABOVE ≡ 0627 ʾ 0654 ﻋ
0624	ﺀ	ARABIC LETTER WAW WITH HAMZA ABOVE ≡ 0648 ﻭ 0654 ﻋ
0625	ﺀ	ARABIC LETTER ALEF WITH HAMZA BELOW ≡ 0627 ʾ 0655 ﻋ
0626	ﺀ	ARABIC LETTER YEH WITH HAMZA ABOVE ≡ 064A ﻱ 0654 ﻋ
0627	ﺀ	ARABIC LETTER ALEF
0628	ﺀ	ARABIC LETTER BEH
0629	ﺀ	ARABIC LETTER TEH MARBUTA
062A	ﺀ	ARABIC LETTER TEH
062B	ﺀ	ARABIC LETTER THEH
062C	ﺀ	ARABIC LETTER JEEM
062D	ﺀ	ARABIC LETTER HAH
062E	ﺀ	ARABIC LETTER KHAH
062F	ﺀ	ARABIC LETTER DAL
0630	ﺀ	ARABIC LETTER THAL
0631	ﺀ	ARABIC LETTER REH
0632	ﺀ	ARABIC LETTER ZAIN
0633	ﺀ	ARABIC LETTER SEEN
0634	ﺀ	ARABIC LETTER SHEEN
0635	ﺀ	ARABIC LETTER SAD
0636	ﺀ	ARABIC LETTER DAD
0637	ﺀ	ARABIC LETTER TAH
0638	ﺀ	ARABIC LETTER ZAH
0639	ﺀ	ARABIC LETTER AIN → 01B9 ﺀ latin small letter ezh reversed → 02BF ʿ modifier letter left half ring
063A	ﺀ	ARABIC LETTER GHAIN

Additions for early Persian and Azerbaijani

063B	ﻋ	ARABIC LETTER KEHEH WITH TWO DOTS ABOVE
063C	ﻋ	ARABIC LETTER KEHEH WITH THREE DOTS BELOW

- 063D ع ARABIC LETTER FARSI YEH WITH INVERTED V
• Azerbaijani
- 063E ع ARABIC LETTER FARSI YEH WITH TWO DOTS ABOVE
- 063F ع ARABIC LETTER FARSI YEH WITH THREE DOTS ABOVE

Based on ISO 8859-6

- 0640 - ARABIC TATWEEL
= kashida
• inserted to stretch characters
• also used with Syriac
- 0641 ف ARABIC LETTER FEH
- 0642 ق ARABIC LETTER QAF
- 0643 ك ARABIC LETTER KAF
- 0644 ل ARABIC LETTER LAM
- 0645 م ARABIC LETTER MEEM
- 0646 ن ARABIC LETTER NOON
- 0647 ه ARABIC LETTER HEH
- 0648 و ARABIC LETTER WAW
- 0649 ی ARABIC LETTER ALEF MAKSURA
• represents YEH-shaped letter with no dots in any positional form
- 064A ي ARABIC LETTER YEH

Points from ISO 8859-6

- 064B ّ ARABIC FATHATAN
- 064C ً ARABIC DAMMATAN
- 064D ٍ ARABIC KASRATAN
- 064E َ ARABIC FATHA
- 064F ّ ARABIC DAMMA
- 0650 ِ ARABIC KASRA
- 0651 ّ ARABIC SHADDA
- 0652 ٠ ARABIC SUKUN
• marks absence of a vowel after the base consonant
• used in some Korans to mark a long vowel as ignored
• can have a variety of shapes, including a circular one and a shape that looks like 'o'
→ 06E1 ٠ arabic small high dotless head of khah

Combining maddah and hamza

- 0653 ٓ ARABIC MADDAH ABOVE
- 0654 ٔ ARABIC HAMZA ABOVE
- 0655 ٕ ARABIC HAMZA BELOW

Other combining marks

- 0656 ٖ ARABIC SUBSCRIPT ALEF
- 0657 ٗ ARABIC INVERTED DAMMA
= ulfa pesh
• Kashmiri, Urdu
- 0658 ٘ ARABIC MARK NOON GHUNNA
• Baluchi
• indicates nasalization in Urdu
- 0659 ٙ ARABIC ZWARAKAY
• Pashto
- 065A ٚ ARABIC VOWEL SIGN SMALL V ABOVE
• African languages
- 065B ٛ ARABIC VOWEL SIGN INVERTED SMALL V ABOVE
• African languages
- 065C ٜ ARABIC VOWEL SIGN DOT BELOW
• African languages

- 065D ٝ ARABIC REVERSED DAMMA
• Ormuri, African languages
- 065E ٞ ARABIC FATHA WITH TWO DOTS
• Kalami
- 065F ٟ ARABIC WAVY HAMZA BELOW
• Kashmiri

Arabic-Indic digits

These digits are used with Arabic proper; for languages of Iran, Pakistan, and India, see the Eastern Arabic-Indic digits at 06F0..06F9.

- 0660 ٠ ARABIC-INDIC DIGIT ZERO
- 0661 ١ ARABIC-INDIC DIGIT ONE
- 0662 ٢ ARABIC-INDIC DIGIT TWO
- 0663 ٣ ARABIC-INDIC DIGIT THREE
- 0664 ٤ ARABIC-INDIC DIGIT FOUR
- 0665 ٥ ARABIC-INDIC DIGIT FIVE
- 0666 ٦ ARABIC-INDIC DIGIT SIX
- 0667 ٧ ARABIC-INDIC DIGIT SEVEN
- 0668 ٨ ARABIC-INDIC DIGIT EIGHT
- 0669 ٩ ARABIC-INDIC DIGIT NINE

Punctuation

- 066A ٪ ARABIC PERCENT SIGN
→ 0025 % percent sign
- 066B ٫ ARABIC DECIMAL SEPARATOR
- 066C ٫ ARABIC THOUSANDS SEPARATOR
→ 0027 ٫ apostrophe
→ 2019 ٫ right single quotation mark
- 066D * ARABIC FIVE POINTED STAR
• appearance rather variable
→ 002A * asterisk

Archaic letters

- 066E ٲ ARABIC LETTER DOTLESS BEH
- 066F ٳ ARABIC LETTER DOTLESS QAF

Point

- 0670 ٴ ARABIC LETTER SUPERSCRIPIT ALEF
• actually a vowel sign, despite the name

Extended Arabic letters

- 0671 ٶ ARABIC LETTER ALEF WASLA
• Koranic Arabic
- 0672 ٷ ARABIC LETTER ALEF WITH WAVY HAMZA ABOVE
• Baluchi, Kashmiri
- 0673 ٸ ARABIC LETTER ALEF WITH WAVY HAMZA BELOW
• Kashmiri
- 0674 ٹ ARABIC LETTER HIGH HAMZA
• Kazakh
• forms digraphs
- 0675 ٺ ARABIC LETTER HIGH HAMZA ALEF
• Kazakh
≈ 0627 ٺ 0674 ٹ
- 0676 ٻ ARABIC LETTER HIGH HAMZA WAW
• Kazakh
≈ 0648 ٻ 0674 ٹ
- 0677 ټ ARABIC LETTER U WITH HAMZA ABOVE
• Kazakh
≈ 06C7 ټ 0674 ٹ
- 0678 ٽ ARABIC LETTER HIGH HAMZA YEH
• Kazakh
≈ 064A ٽ 0674 ٹ

0679	Arabic	06B0
0679	ت ARABIC LETTER TTEH • Urdu	0695 ر ARABIC LETTER REH WITH SMALL V BELOW • Kurdish
067A	ت ARABIC LETTER TTEHEH • Sindhi	0696 ر ARABIC LETTER REH WITH DOT BELOW AND DOT ABOVE • Pashto
067B	پ ARABIC LETTER BEEH • Sindhi	0697 ز ARABIC LETTER REH WITH TWO DOTS ABOVE • Dargwa
067C	ت ARABIC LETTER TEH WITH RING • Pashto	0698 ژ ARABIC LETTER JEH • Persian, Urdu, ...
067D	ت ARABIC LETTER TEH WITH THREE DOTS ABOVE DOWNWARDS • Sindhi	0699 ژ ARABIC LETTER REH WITH FOUR DOTS ABOVE • Sindhi
067E	پ ARABIC LETTER PEH • Persian, Urdu, ...	069A ښ ARABIC LETTER SEEN WITH DOT BELOW AND DOT ABOVE • Pashto
067F	ت ARABIC LETTER TEHEH • Sindhi	069B ښ ARABIC LETTER SEEN WITH THREE DOTS BELOW • early Persian
0680	پ ARABIC LETTER BEHEH • Sindhi	069C ښ ARABIC LETTER SEEN WITH THREE DOTS BELOW AND THREE DOTS ABOVE • Moroccan Arabic
0681	خ ARABIC LETTER HAH WITH HAMZA ABOVE • Pashto letter "dze"	069D ص ARABIC LETTER SAD WITH TWO DOTS BELOW • Turkic
0682	خ ARABIC LETTER HAH WITH TWO DOTS VERTICAL ABOVE • not used in modern Pashto	069E ش ARABIC LETTER SAD WITH THREE DOTS ABOVE • Berber, Burushaski
0683	ج ARABIC LETTER NYEH • Sindhi	069F ظ ARABIC LETTER TAH WITH THREE DOTS ABOVE • old Hausa
0684	ج ARABIC LETTER DYEH • Sindhi	06A0 غ ARABIC LETTER AIN WITH THREE DOTS ABOVE • old Malay
0685	خ ARABIC LETTER HAH WITH THREE DOTS ABOVE • Pashto, Khwarazmian	06A1 ف ARABIC LETTER DOTLESS FEH • Adighe
0686	ج ARABIC LETTER TCHEH • Persian, Urdu, ...	06A2 ب ARABIC LETTER FEH WITH DOT MOVED BELOW • Maghrib Arabic
0687	چ ARABIC LETTER TCHEHEH • Sindhi	06A3 ف ARABIC LETTER FEH WITH DOT BELOW • Ingush
0688	ذ ARABIC LETTER DDAL • Urdu	06A4 ث ARABIC LETTER VEH • Middle Eastern Arabic for foreign words • Kurdish, Khwarazmian, early Persian
0689	د ARABIC LETTER DAL WITH RING • Pashto	06A5 پ ARABIC LETTER FEH WITH THREE DOTS BELOW • North African Arabic for foreign words
068A	د ARABIC LETTER DAL WITH DOT BELOW • Sindhi, early Persian	06A6 ق ARABIC LETTER PEHEH • Sindhi
068B	ذ ARABIC LETTER DAL WITH DOT BELOW AND SMALL TAH • Lahnda	06A7 ف ARABIC LETTER QAF WITH DOT ABOVE • Maghrib Arabic
068C	ذ ARABIC LETTER DAHAL • Sindhi	06A8 ث ARABIC LETTER QAF WITH THREE DOTS ABOVE • Tunisian Arabic
068D	د ARABIC LETTER DDAHAL • Sindhi	06A9 ك ARABIC LETTER KEHEH • Persian, Urdu, ...
068E	ذ ARABIC LETTER DUL • older shape for DUL, now obsolete in Sindhi • Burushaski	06AA ك ARABIC LETTER SWASH KAF
068F	ذ ARABIC LETTER DAL WITH THREE DOTS ABOVE DOWNWARDS • Sindhi • current shape used for DUL	06AB ك ARABIC LETTER KAF WITH RING • Pashto • may appear like an Arabic KAF (0643 ك) with a ring below the base
0690	ذ ARABIC LETTER DAL WITH FOUR DOTS ABOVE • old Urdu, not in current use	06AC ك ARABIC LETTER KAF WITH DOT ABOVE • old Malay
0691	ژ ARABIC LETTER RREH • Urdu	06AD ن ARABIC LETTER NG • Uighur, Kazakh, old Malay, early Persian, ...
0692	ز ARABIC LETTER REH WITH SMALL V • Kurdish	06AE پ ARABIC LETTER KAF WITH THREE DOTS BELOW • Berber, early Persian
0693	ر ARABIC LETTER REH WITH RING • Pashto	06AF گ ARABIC LETTER GAF • Persian, Urdu, ...
0694	ر ARABIC LETTER REH WITH DOT BELOW • Kurdish, early Persian	06B0 گ ARABIC LETTER GAF WITH RING • Lahnda

06B1	گ	ARABIC LETTER NGOEH • Sindhi	06CC	ى	ARABIC LETTER FARSI YEH • Arabic, Persian, Urdu, Kashmiri, ... • initial and medial forms of this letter have dots → 0649 ى arabic letter alef maksura → 064A ي arabic letter yeh
06B2	گ	ARABIC LETTER GAF WITH TWO DOTS BELOW • not used in Sindhi	06CD	ى	ARABIC LETTER YEH WITH TAIL • Pashto, Sindhi
06B3	گ	ARABIC LETTER GUEH • Sindhi	06CE	ئ	ARABIC LETTER YEH WITH SMALL V • Kurdish
06B4	گ	ARABIC LETTER GAF WITH THREE DOTS ABOVE • not used in Sindhi	06CF	ذ	ARABIC LETTER WAW WITH DOT ABOVE
06B5	ل	ARABIC LETTER LAM WITH SMALL V • Kurdish	06D0	ه	ARABIC LETTER E • Pashto, Uighur • used as the letter bbeh in Sindhi
06B6	ل	ARABIC LETTER LAM WITH DOT ABOVE • Kurdish	06D1	ه	ARABIC LETTER YEH WITH THREE DOTS BELOW • old Malay
06B7	ل	ARABIC LETTER LAM WITH THREE DOTS ABOVE • Kurdish	06D2	ه	ARABIC LETTER YEH BARREE • Urdu
06B8	ل	ARABIC LETTER LAM WITH THREE DOTS BELOW	06D3	ه	ARABIC LETTER YEH BARREE WITH HAMZA ABOVE • Urdu • actually a ligature, not an independent letter ≡ 06D2 ه 0654 ه
06B9	ن	ARABIC LETTER NOON WITH DOT BELOW	Punctuation		
06BA	ن	ARABIC LETTER NOON GHUNNA • Urdu	06D4	-	ARABIC FULL STOP • Urdu
06BB	ن	ARABIC LETTER RNOON • Sindhi	Extended Arabic letter		
06BC	ن	ARABIC LETTER NOON WITH RING • Pashto	06D5	ه	ARABIC LETTER AE • Uighur, Kazakh, Kirghiz
06BD	ن	ARABIC LETTER NOON WITH THREE DOTS ABOVE • old Malay	Koranic annotation signs		
06BE	ه	ARABIC LETTER HEH DOACHASHMEE • Urdu • forms aspirate digraphs	06D6	ه	ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURA
06BF	ه	ARABIC LETTER TCHEH WITH DOT ABOVE	06D7	ه	ARABIC SMALL HIGH LIGATURE QAF WITH LAM WITH ALEF MAKSURA
06C0	ه	ARABIC LETTER HEH WITH YEH ABOVE = arabic letter hamzah on ha (1.0) = izafet • Urdu • actually a ligature, not an independent letter ≡ 06D5 ه 0654 ه	06D8	ه	ARABIC SMALL HIGH MEEM INITIAL FORM
06C1	ه	ARABIC LETTER HEH GOAL • Urdu	06D9	ه	ARABIC SMALL HIGH LAM ALEF
06C2	ه	ARABIC LETTER HEH GOAL WITH HAMZA ABOVE • Urdu • actually a ligature, not an independent letter ≡ 06C1 ه 0654 ه	06DA	ه	ARABIC SMALL HIGH JEEM
06C3	ه	ARABIC LETTER TEH MARBUTA GOAL • Urdu	06DB	ه	ARABIC SMALL HIGH THREE DOTS
06C4	و	ARABIC LETTER WAW WITH RING • Kashmiri	06DC	ه	ARABIC SMALL HIGH SEEN
06C5	و	ARABIC LETTER KIRGHIZ OE • Kirghiz	06DD	ه	ARABIC END OF AYAH
06C6	و	ARABIC LETTER OE • Uighur, Kurdish, Kazakh, Azerbaijani	06DE	ه	ARABIC START OF RUB EL HIZB
06C7	و	ARABIC LETTER U • Kirghiz, Azerbaijani	06DF	ه	ARABIC SMALL HIGH ROUNDED ZERO • smaller than the typical circular shape used for 0652 ه
06C8	و	ARABIC LETTER YU • Uighur	06E0	ه	ARABIC SMALL HIGH UPRIGHT RECTANGULAR ZERO
06C9	و	ARABIC LETTER KIRGHIZ YU • Kazakh, Kirghiz	06E1	ه	ARABIC SMALL HIGH DOTLESS HEAD OF KHAH = Arabic jazm • presentation form of 0652 ه, using font technology to select the variant is preferred • used in some Korans to mark absence of a vowel → 0652 ه arabic sukun
06CA	و	ARABIC LETTER WAW WITH TWO DOTS ABOVE • Kurdish	06E2	ه	ARABIC SMALL HIGH MEEM ISOLATED FORM
06CB	و	ARABIC LETTER VE • Uighur, Kazakh	06E3	ه	ARABIC SMALL LOW SEEN
			06E4	ه	ARABIC SMALL HIGH MADDA
			06E5	ه	ARABIC SMALL WAW
			06E6	ه	ARABIC SMALL YEH
			06E7	ه	ARABIC SMALL HIGH YEH
			06E8	ه	ARABIC SMALL HIGH NOON
			06E9	ه	ARABIC PLACE OF SAJDAH • there is a range of acceptable glyphs for this character

- 06EA ◌ ARABIC EMPTY CENTRE LOW STOP
 06EB ◌ ARABIC EMPTY CENTRE HIGH STOP
 06EC ◌ ARABIC ROUNDED HIGH STOP WITH FILLED CENTRE
 06ED ◌ ARABIC SMALL LOW MEEM

Extended Arabic letters for Parkari

- 06EE ڍ ARABIC LETTER DAL WITH INVERTED V
 06EF ڊ ARABIC LETTER REH WITH INVERTED V
 • also used in early Persian

Eastern Arabic-Indic digits

These digits are used with Arabic-script languages of Iran, Pakistan, and India (Persian, Sindhi, Urdu, etc.). For details of variations in preferred glyphs, see the block description for the Arabic script.

- 06F0 ٠ EXTENDED ARABIC-INDIC DIGIT ZERO
 06F1 ١ EXTENDED ARABIC-INDIC DIGIT ONE
 06F2 ٢ EXTENDED ARABIC-INDIC DIGIT TWO
 06F3 ٣ EXTENDED ARABIC-INDIC DIGIT THREE
 06F4 ٤ EXTENDED ARABIC-INDIC DIGIT FOUR
 • Persian has a different glyph than Sindhi and Urdu
 06F5 ٥ EXTENDED ARABIC-INDIC DIGIT FIVE
 • Persian, Sindhi, and Urdu share glyph different from Arabic
 06F6 ٦ EXTENDED ARABIC-INDIC DIGIT SIX
 • Persian, Sindhi, and Urdu have glyphs different from Arabic
 06F7 ٧ EXTENDED ARABIC-INDIC DIGIT SEVEN
 • Urdu and Sindhi have glyphs different from Arabic
 06F8 ٨ EXTENDED ARABIC-INDIC DIGIT EIGHT
 06F9 ٩ EXTENDED ARABIC-INDIC DIGIT NINE

Extended Arabic letters



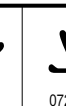
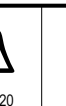
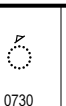

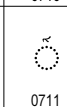








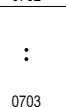

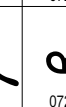
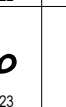
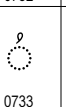
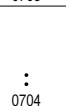

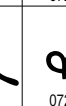
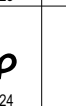

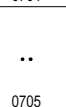
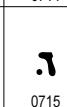
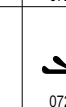
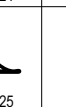

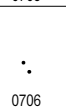

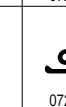
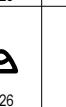
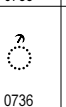
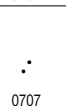

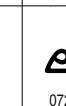
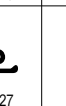

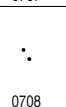

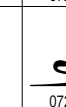
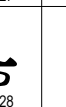

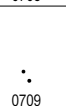

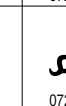



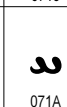
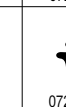
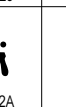


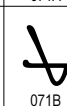
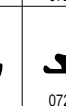
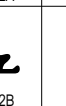



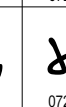
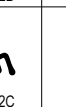


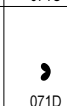
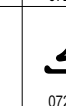
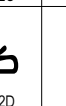
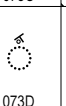

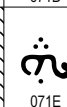


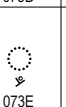


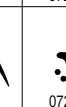
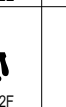

- 06FA ش ARABIC LETTER SHEEN WITH DOT BELOW
 06FB ض ARABIC LETTER DAD WITH DOT BELOW
 06FC غ ARABIC LETTER GHAIN WITH DOT BELOW

Signs for Sindhi

- 06FD ڦ ARABIC SIGN SINDHI AMPERSAND
 06FE ڱ ARABIC SIGN SINDHI POSTPOSITION MEN

Extended Arabic letter for Parkari

- 06FF ھ ARABIC LETTER HEH WITH INVERTED V

	070	071	072	073	074
0	 0700	 0710	 0720	 0730	 0740
1	 0701	 0711	 0721	 0731	 0741
2	 0702	 0712	 0722	 0732	 0742
3	 0703	 0713	 0723	 0733	 0743
4	 0704	 0714	 0724	 0734	 0744
5	 0705	 0715	 0725	 0735	 0745
6	 0706	 0716	 0726	 0736	 0746
7	 0707	 0717	 0727	 0737	 0747
8	 0708	 0718	 0728	 0738	 0748
9	 0709	 0719	 0729	 0739	 0749
A	 070A	 071A	 072A	 073A	 074A
B	 070B	 071B	 072B	 073B	
C	 070C	 071C	 072C	 073C	
D	 070D	 071D	 072D	 073D	 074D
E		 071E	 072E	 073E	 074E
F	 070F	 071F	 072F	 073F	 074F

Syriac punctuation and signs

0700	❖	SYRIAC END OF PARAGRAPH	• marks the end of a paragraph
0701	⋅	SYRIAC SUPRALINEAR FULL STOP	• marks interrogations, imperatives, and pauses, especially in Biblical texts
0702	⋅	SYRIAC SUBLINEAR FULL STOP	• marks subordinate clauses and minor pauses, especially in Biblical texts
0703	⋮	SYRIAC SUPRALINEAR COLON	• marks expressions of wonder and has a distinct pausal value in Biblical texts
0704	⋮	SYRIAC SUBLINEAR COLON	• used at the end of verses of supplications
0705	⋮	SYRIAC HORIZONTAL COLON	• joins two words closely together in a context to which a rising tone is suitable
0706	⋮	SYRIAC COLON SKEWED LEFT	• marks a dependent clause
0707	⋮	SYRIAC COLON SKEWED RIGHT	• marks the end of a subdivision of the apodosis, or latter part of a Biblical verse
0708	⋮	SYRIAC SUPRALINEAR COLON SKEWED LEFT	• marks a minor phrase division
0709	⋮	SYRIAC SUBLINEAR COLON SKEWED RIGHT	• marks the end of a real or rhetorical question
070A	⋮	SYRIAC CONTRACTION	• a contraction mark, mostly used in East Syriac • placed at the end of an incomplete word
070B	⋮	SYRIAC HARKLEAN OBELUS	• marks the beginning of a phrase, word, or morpheme that has a marginal note
070C	⋮	SYRIAC HARKLEAN METOBELUS	• marks the end of a section with a marginal note
070D	⋮	SYRIAC HARKLEAN ASTERISCUS	• marks the beginning of a phrase, word, or morpheme that has a marginal note

Syriac format control character

070F	⋮	SYRIAC ABBREVIATION MARK = SAM	• marks the beginning of a Syriac abbreviation
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Syriac letters

0710	Ⲁ	SYRIAC LETTER ALAPH	
0711	Ⲁ̇	SYRIAC LETTER SUPERSCRIPED ALAPH	• used in East Syriac texts to indicate an etymological Alaph
0712	Ⲁ̇	SYRIAC LETTER BETH	
0713	Ⲁ̇	SYRIAC LETTER GAMAL	
0714	Ⲁ̇	SYRIAC LETTER GAMAL GARSHUNI	• used in Garshuni documents
0715	Ⲁ̇	SYRIAC LETTER DALATH	
0716	Ⲁ̇	SYRIAC LETTER DOTLESS DALATH RISH	• ambiguous form for undifferentiated early dalath/rish
0717	Ⲁ̇	SYRIAC LETTER HE	
0718	Ⲁ̇	SYRIAC LETTER WAW	
0719	Ⲁ̇	SYRIAC LETTER ZAIN	
071A	Ⲁ̇	SYRIAC LETTER HETH	
071B	Ⲁ̇	SYRIAC LETTER TETH	
071C	Ⲁ̇	SYRIAC LETTER TETH GARSHUNI	• used in Garshuni documents
071D	Ⲁ̇	SYRIAC LETTER YUDH	

071E	Ⲁ̇	SYRIAC LETTER YUDH HE	• mostly used in East Syriac texts
071F	Ⲁ̇	SYRIAC LETTER KAPH	
0720	Ⲁ̇	SYRIAC LETTER LAMADH	
0721	Ⲁ̇	SYRIAC LETTER MIM	
0722	Ⲁ̇	SYRIAC LETTER NUN	
0723	Ⲁ̇	SYRIAC LETTER SEMKATH	
0724	Ⲁ̇	SYRIAC LETTER FINAL SEMKATH	
0725	Ⲁ̇	SYRIAC LETTER E	
0726	Ⲁ̇	SYRIAC LETTER PE	
0727	Ⲁ̇	SYRIAC LETTER REVERSED PE	• used in Christian Palestinian Aramaic
0728	Ⲁ̇	SYRIAC LETTER SADHE	
0729	Ⲁ̇	SYRIAC LETTER QAPH	
072A	Ⲁ̇	SYRIAC LETTER RISH	
072B	Ⲁ̇	SYRIAC LETTER SHIN	
072C	Ⲁ̇	SYRIAC LETTER TAW	

Persian letters

072D	Ⲁ̇	SYRIAC LETTER PERSIAN BHETH
072E	Ⲁ̇	SYRIAC LETTER PERSIAN GHAMAL
072F	Ⲁ̇	SYRIAC LETTER PERSIAN DHALATH

Syriac points (vowels)

0730	Ⲁ̇	SYRIAC PTHAHA ABOVE
0731	Ⲁ̇	SYRIAC PTHAHA BELOW
0732	Ⲁ̇	SYRIAC PTHAHA DOTTED
0733	Ⲁ̇	SYRIAC ZQAPHA ABOVE
0734	Ⲁ̇	SYRIAC ZQAPHA BELOW
0735	Ⲁ̇	SYRIAC ZQAPHA DOTTED
0736	Ⲁ̇	SYRIAC RBASA ABOVE
0737	Ⲁ̇	SYRIAC RBASA BELOW
0738	Ⲁ̇	SYRIAC DOTTED ZLAMA HORIZONTAL
0739	Ⲁ̇	SYRIAC DOTTED ZLAMA ANGULAR
073A	Ⲁ̇	SYRIAC HBASA ABOVE
073B	Ⲁ̇	SYRIAC HBASA BELOW
073C	Ⲁ̇	SYRIAC HBASA-ESASA DOTTED
073D	Ⲁ̇	SYRIAC ESASA ABOVE
073E	Ⲁ̇	SYRIAC ESASA BELOW
073F	Ⲁ̇	SYRIAC RWAHA

Syriac marks

0740	Ⲁ̇	SYRIAC FEMININE DOT	• feminine marker used with the Taw feminine suffix
0741	Ⲁ̇	SYRIAC QUSHSHAYA	• indicates a plosive pronunciation
0742	Ⲁ̇	SYRIAC RUKKAKHA	• indicates an aspirated (spirantized) pronunciation
0743	Ⲁ̇	SYRIAC TWO VERTICAL DOTS ABOVE	• accent mark used in ancient manuscripts
0744	Ⲁ̇	SYRIAC TWO VERTICAL DOTS BELOW	• accent mark used in ancient manuscripts
0745	Ⲁ̇	SYRIAC THREE DOTS ABOVE	• diacritic used in Turoyo for letters not found in Syriac
0746	Ⲁ̇	SYRIAC THREE DOTS BELOW	• diacritic used in Turoyo for letters not found in Syriac
0747	Ⲁ̇	SYRIAC OBLIQUE LINE ABOVE	• indication of a silent letter

- 0748 ܩ SYRIAC OBLIQUE LINE BELOW
- indication of a silent letter
 - also used to indicate numbers multiplied by a certain constant
- 0749 ܘ SYRIAC MUSIC
- a music mark
 - also used in the Syrian Orthodox Anaphora book to mark the breaking of the Eucharist bread
- 074A ܘ SYRIAC BARREKH
- a diacritic cross used in liturgical texts

Sogdian letters

- 074D 𐭪 SYRIAC LETTER SOGDIAN ZHAIN
- 074E 𐭫 SYRIAC LETTER SOGDIAN KHAPH
- 074F 𐭬 SYRIAC LETTER SOGDIAN FE

	075	076	077
0	ي 0750	يب 0760	يش 0770
1	ب 0751	يب 0761	بش 0771
2	پ 0752	پنی 0762	پش 0772
3	ت 0753	تشی 0763	تشی 0773
4	ن 0754	نکی 0764	نش 0774
5	ب 0755	م 0765	می 0775
6	ب 0756	م 0766	می 0776
7	خ 0757	نی 0767	پی 0777
8	چ 0758	ن 0768	و 0778
9	پ 0759	ن 0769	و 0779
A	د 075A	ل 076A	مے 077A
B	ر 075B	ز 076B	مے 077B
C	ش 075C	ر 076C	ح 077C
D	ع 075D	ش 076D	س 077D
E	ع 075E	ح 076E	س 077E
F	غ 075F	چ 076F	ق 077F

Extended Arabic letters

These are primarily used in Arabic-script orthographies of African languages.

0750	ب	ARABIC LETTER BEH WITH THREE DOTS HORIZONTALLY BELOW
0751	بٓ	ARABIC LETTER BEH WITH DOT BELOW AND THREE DOTS ABOVE
0752	بٔ	ARABIC LETTER BEH WITH THREE DOTS POINTING UPWARDS BELOW
0753	بٕ	ARABIC LETTER BEH WITH THREE DOTS POINTING UPWARDS BELOW AND TWO DOTS ABOVE
0754	بٖ	ARABIC LETTER BEH WITH TWO DOTS BELOW AND DOT ABOVE
0755	بٗ	ARABIC LETTER BEH WITH INVERTED SMALL V BELOW
0756	ب٘	ARABIC LETTER BEH WITH SMALL V
0757	ح	ARABIC LETTER HAH WITH TWO DOTS ABOVE
0758	حٓ	ARABIC LETTER HAH WITH THREE DOTS POINTING UPWARDS BELOW
0759	ڊ	ARABIC LETTER DAL WITH TWO DOTS VERTICALLY BELOW AND SMALL TAH • Saraiki
075A	ڊٓ	ARABIC LETTER DAL WITH INVERTED SMALL V BELOW
075B	ر	ARABIC LETTER REH WITH STROKE
075C	شٓ	ARABIC LETTER SEEN WITH FOUR DOTS ABOVE • Shina
075D	عٓ	ARABIC LETTER AIN WITH TWO DOTS ABOVE
075E	عٔ	ARABIC LETTER AIN WITH THREE DOTS POINTING DOWNWARDS ABOVE
075F	عٕ	ARABIC LETTER AIN WITH TWO DOTS VERTICALLY ABOVE
0760	فٓ	ARABIC LETTER FEH WITH TWO DOTS BELOW
0761	فٔ	ARABIC LETTER FEH WITH THREE DOTS POINTING UPWARDS BELOW
0762	ك	ARABIC LETTER KEHEH WITH DOT ABOVE • old Malay, preferred to 06AC ڤ → 06AC ڤ arabic letter kaf with dot above
0763	كٓ	ARABIC LETTER KEHEH WITH THREE DOTS ABOVE • Moroccan Arabic, Amazigh, Burushaski → 06AD ڤ arabic letter ng
0764	كٔ	ARABIC LETTER KEHEH WITH THREE DOTS POINTING UPWARDS BELOW
0765	م	ARABIC LETTER MEEM WITH DOT ABOVE
0766	مٓ	ARABIC LETTER MEEM WITH DOT BELOW • Maba
0767	نٓ	ARABIC LETTER NOON WITH TWO DOTS BELOW • Arwi
0768	نٔ	ARABIC LETTER NOON WITH SMALL TAH • Saraiki, Pathwari
0769	نٕ	ARABIC LETTER NOON WITH SMALL V • Gojri
076A	لٓ	ARABIC LETTER LAM WITH BAR
076B	زٓ	ARABIC LETTER REH WITH TWO DOTS VERTICALLY ABOVE • Torwali, Ormuri
076C	زٔ	ARABIC LETTER REH WITH HAMZA ABOVE • Ormuri
076D	شٓ	ARABIC LETTER SEEN WITH TWO DOTS VERTICALLY ABOVE • Kalami, Ormuri

Additions for Khovar

076E	ح	ARABIC LETTER HAH WITH SMALL ARABIC LETTER TAH BELOW
076F	حٓ	ARABIC LETTER HAH WITH SMALL ARABIC LETTER TAH AND TWO DOTS
0770	شٓ	ARABIC LETTER SEEN WITH SMALL ARABIC LETTER TAH AND TWO DOTS
0771	ڙ	ARABIC LETTER REH WITH SMALL ARABIC LETTER TAH AND TWO DOTS

Addition for Torwali



















































0772	ح٘	ARABIC LETTER HAH WITH SMALL ARABIC LETTER TAH ABOVE
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Additions for Burushaski

0773	آ	ARABIC LETTER ALEF WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
0774	أ	ARABIC LETTER ALEF WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
0775	يٓ	ARABIC LETTER FARSI YEH WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
0776	ئ	ARABIC LETTER FARSI YEH WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
0777	يٕ	ARABIC LETTER FARSI YEH WITH EXTENDED ARABIC-INDIC DIGIT FOUR BELOW
0778	وٓ	ARABIC LETTER WAW WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
0779	ؤ	ARABIC LETTER WAW WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
077A	يٖ	ARABIC LETTER YEH BARREE WITH EXTENDED ARABIC-INDIC DIGIT TWO ABOVE
077B	يٗ	ARABIC LETTER YEH BARREE WITH EXTENDED ARABIC-INDIC DIGIT THREE ABOVE
077C	ح٘	ARABIC LETTER HAH WITH EXTENDED ARABIC-INDIC DIGIT FOUR BELOW
077D	ش٘	ARABIC LETTER SEEN WITH EXTENDED ARABIC-INDIC DIGIT FOUR ABOVE

Additions for early Persian

077E	شٗ	ARABIC LETTER SEEN WITH INVERTED V
077F	كٗ	ARABIC LETTER KAF WITH TWO DOTS ABOVE

	078	079	07A	07B
0	 0780	 0790	 07A0	 07B0
1	 0781	 0791	 07A1	 07B1
2	 0782	 0792	 07A2	
3	 0783	 0793	 07A3	
4	 0784	 0794	 07A4	
5	 0785	 0795	 07A5	
6	 0786	 0796	 07A6	
7	 0787	 0797	 07A7	
8	 0788	 0798	 07A8	
9	 0789	 0799	 07A9	
A	 078A	 079A	 07AA	
B	 078B	 079B	 07AB	
C	 078C	 079C	 07AC	
D	 078D	 079D	 07AD	
E	 078E	 079E	 07AE	
F	 078F	 079F	 07AF	

Basic consonants

0780	↗	THAANA LETTER HAA
0781	↘	THAANA LETTER SHAVIYANI
0782	↖	THAANA LETTER NOONU
0783	↙	THAANA LETTER RAA
0784	⊙	THAANA LETTER BAA
0785	➤	THAANA LETTER LHAVIYANI
0786	↵	THAANA LETTER KAAFU
0787	↗	THAANA LETTER ALIFU
0788	➤	THAANA LETTER VAAVU
0789	➤	THAANA LETTER MEEMU
078A	↗	THAANA LETTER FAAFU
078B	↗	THAANA LETTER DHAALU
078C	↗	THAANA LETTER THAA
078D	➤	THAANA LETTER LAAMU
078E	↗	THAANA LETTER GAAFU
078F	⊙	THAANA LETTER GNAVIYANI
0790	↗	THAANA LETTER SEENU
0791	↗	THAANA LETTER DAVIYANI
0792	↗	THAANA LETTER ZAVIYANI
0793	⊙	THAANA LETTER TAVIYANI
0794	↗	THAANA LETTER YAA
0795	↗	THAANA LETTER PAVIYANI
0796	↗	THAANA LETTER JAVIYANI
0797	↗	THAANA LETTER CHAVIYANI

Extensions for Arabic

0798	↗	THAANA LETTER TTAA
0799	↗	THAANA LETTER HHAA
079A	↗	THAANA LETTER KHAA
079B	↗	THAANA LETTER THAALU
079C	↗	THAANA LETTER ZAA
079D	↗	THAANA LETTER SHEENU
079E	↗	THAANA LETTER SAADHU
079F	↗	THAANA LETTER DAADHU
07A0	↗	THAANA LETTER TO
07A1	↗	THAANA LETTER ZO
07A2	↗	THAANA LETTER AINU
07A3	↗	THAANA LETTER GHAINU
07A4	↗	THAANA LETTER QAAFU
07A5	↗	THAANA LETTER WAAVU

Vowels

07A6	⊙	THAANA ABAFILI
07A7	⊙	THAANA AABAAFILI
07A8	⊙	THAANA IBIFILI
07A9	⊙	THAANA EEBEEFILI
07AA	⊙	THAANA UBUFILI
07AB	⊙	THAANA OBOOFILI
07AC	⊙	THAANA EBEFILI
07AD	⊙	THAANA EYBEFILI
07AE	⊙	THAANA OBOFILI
07AF	⊙	THAANA OBOAFILI
07B0	⊙	THAANA SUKUN

Consonant for Addu dialect

07B1	↗	THAANA LETTER NAA
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	07C	07D	07E	07F
0	0 07C0	♀ 07D0	⊤ 07E0	~ ○ 07F0
1	⊥ 07C1	⌒ 07D1	△ 07E1	↙ ○ 07F1
2	⊢ 07C2	♀ 07D2	♁ 07E2	⊙ 07F2
3	⊣ 07C3	⊢ 07D3	⌒ 07E3	⋮ ○ 07F3
4	⊤ 07C4	⊣ 07D4	⊢ 07E4	’ 07F4
5	⊥ 07C5	⊢ 07D5	⊣ 07E5	‘ 07F5
6	⊢ 07C6	⊣ 07D6	♁ 07E6	♀ 07F6
7	⊣ 07C7	⊥ 07D7	♁ 07E7	⊙ 07F7
8	⊤ 07C8	⊣ 07D8	⊥ 07E8	⋮ 07F8
9	♀ 07C9	⊥ 07D9	⊥ 07E9	⋮ 07F9
A	⊥ 07CA	⊣ 07DA	⊥ 07EA	— 07FA
B	○ 07CB	□ 07DB	○ 07EB	
C	Υ 07CC	▽ 07DC	~ ○ 07EC	
D	^ 07CD	♁ 07DD	⋮ ○ 07ED	
E	⊥ 07CE	⊣ 07DE	^ ○ 07EE	
F	⊣ 07CF	♀ 07DF	↘ ○ 07EF	

Digits

07C0	0	NKO DIGIT ZERO
07C1	1	NKO DIGIT ONE
07C2	2	NKO DIGIT TWO
07C3	3	NKO DIGIT THREE
07C4	4	NKO DIGIT FOUR
07C5	5	NKO DIGIT FIVE
07C6	6	NKO DIGIT SIX
07C7	7	NKO DIGIT SEVEN
07C8	8	NKO DIGIT EIGHT
07C9	9	NKO DIGIT NINE

Letters

07CA	1	NKO LETTER A
07CB	o	NKO LETTER EE
07CC	Y	NKO LETTER I
07CD	^	NKO LETTER E
07CE	u	NKO LETTER U
07CF	3	NKO LETTER OO
07D0	♀	NKO LETTER O
07D1	˘	NKO LETTER DAGBASINNA
07D2	ᶞ	NKO LETTER N
07D3	f	NKO LETTER BA
07D4	ʃ	NKO LETTER PA
07D5	b	NKO LETTER TA
07D6	ʎ	NKO LETTER JA
07D7	1	NKO LETTER CHA
07D8	ɓ	NKO LETTER DA
07D9	†	NKO LETTER RA
07DA	‡	NKO LETTER RRA
07DB	□	NKO LETTER SA
07DC	∇	NKO LETTER GBA
07DD	Ɔ	NKO LETTER FA
07DE	ʎ	NKO LETTER KA
07DF	ᶞ	NKO LETTER LA
07E0	T	NKO LETTER NA WOLOSO
07E1	Δ	NKO LETTER MA
07E2	ᶞ	NKO LETTER NYA
07E3	ᶞ	NKO LETTER NA
07E4	ᶞ	NKO LETTER HA
07E5	ᶞ	NKO LETTER WA
07E6	ᶞ	NKO LETTER YA
07E7	ᶞ	NKO LETTER NYA WOLOSO

Archaic letters

07E8	ʎ	NKO LETTER JONA JA
07E9	ʎ	NKO LETTER JONA CHA
07EA	ʎ	NKO LETTER JONA RA
	†	→ 07D9 † nko letter ra

Tone marks

07EB	◌̄	NKO COMBINING SHORT HIGH TONE → 0304 ◌̄ combining macron
07EC	◌̃	NKO COMBINING SHORT LOW TONE → 0303 ◌̃ combining tilde
07ED	◌̇	NKO COMBINING SHORT RISING TONE → 0307 ◌̇ combining dot above
07EE	◌̂	NKO COMBINING LONG DESCENDING TONE → 0302 ◌̂ combining circumflex accent
07EF	◌̈́	NKO COMBINING LONG HIGH TONE
07F0	◌̈̀	NKO COMBINING LONG LOW TONE
07F1	◌̈́	NKO COMBINING LONG RISING TONE

07F2	◌̣	NKO COMBINING NASALIZATION MARK → 0323 ◌̣ combining dot below
07F3	◌̥	NKO COMBINING DOUBLE DOT ABOVE → 0308 ◌̥ combining diaeresis
07F4	’	NKO HIGH TONE APOSTROPHE → 02BC ’ modifier letter apostrophe
07F5	‘	NKO LOW TONE APOSTROPHE → 02BB ‘ modifier letter turned comma

Symbol



























































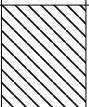



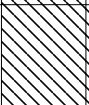

07F6	2	NKO SYMBOL OO DENNEN
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Punctuation

07F7	⌘	NKO SYMBOL GBAKURUNEN
07F8	ˊ	NKO COMMA
07F9	ˋ	NKO EXCLAMATION MARK

Letter extender

07FA	_	NKO LAJANYALAN → 005F _ low line → 0640 - arabic tatweel
------	---	--

	080	081	082	083
0	 0800	 0810	 0820	 0830
1	 0801	 0811	 0821	 0831
2	 0802	 0812	 0822	 0832
3	 0803	 0813	 0823	 0833
4	 0804	 0814	 0824	 0834
5	 0805	 0815	 0825	 0835
6	 0806	 0816	 0826	 0836
7	 0807	 0817	 0827	 0837
8	 0808	 0818	 0828	 0838
9	 0809	 0819	 0829	 0839
A	 080A	 081A	 082A	 083A
B	 080B	 081B	 082B	 083B
C	 080C	 081C	 082C	 083C
D	 080D	 081D	 082D	 083D
E	 080E	 081E		 083E
F	 080F	 081F		

Letters

0800	𐤀	SAMARITAN LETTER ALAF
0801	𐤁	SAMARITAN LETTER BIT
0802	𐤂	SAMARITAN LETTER GAMAN
0803	𐤃	SAMARITAN LETTER DALAT
0804	𐤄	SAMARITAN LETTER IY
0805	𐤅	SAMARITAN LETTER BAA
0806	𐤆	SAMARITAN LETTER ZEN
0807	𐤇	SAMARITAN LETTER IT
0808	𐤈	SAMARITAN LETTER TIT
0809	𐤉	SAMARITAN LETTER YUT
080A	𐤊	SAMARITAN LETTER KAAF
080B	𐤋	SAMARITAN LETTER LABAT
080C	𐤌	SAMARITAN LETTER MIM
080D	𐤍	SAMARITAN LETTER NUN
080E	𐤎	SAMARITAN LETTER SINGAAT
080F	𐤏	SAMARITAN LETTER IN
0810	𐤐	SAMARITAN LETTER FI
0811	𐤑	SAMARITAN LETTER TSAADIY
0812	𐤒	SAMARITAN LETTER QUF
0813	𐤓	SAMARITAN LETTER RISH
0814	𐤔	SAMARITAN LETTER SHAN
0815	𐤕	SAMARITAN LETTER TAAF

Consonant modifiers

0816	𐤖	SAMARITAN MARK IN
0817	𐤗	SAMARITAN MARK IN-ALAF
0818	𐤘	SAMARITAN MARK OCCLUSION
0819	𐤙	SAMARITAN MARK DAGESH
081A	𐤚	SAMARITAN MODIFIER LETTER EPENTHETIC YUT
081B	𐤛	SAMARITAN MARK EPENTHETIC YUT

Vowel signs

081C	𐤜	SAMARITAN VOWEL SIGN LONG E = fatha al-nida
081D	𐤝	SAMARITAN VOWEL SIGN E
081E	𐤞	SAMARITAN VOWEL SIGN OVERLONG AA = fatha al-ima
081F	𐤟	SAMARITAN VOWEL SIGN LONG AA
0820	𐤠	SAMARITAN VOWEL SIGN AA
0821	𐤡	SAMARITAN VOWEL SIGN OVERLONG A = fatha al-iha
0822	𐤢	SAMARITAN VOWEL SIGN LONG A
0823	𐤣	SAMARITAN VOWEL SIGN A
0824	𐤤	SAMARITAN MODIFIER LETTER SHORT A
0825	𐤥	SAMARITAN VOWEL SIGN SHORT A = fatha
0826	𐤦	SAMARITAN VOWEL SIGN LONG U = damma
0827	𐤧	SAMARITAN VOWEL SIGN U
0828	𐤨	SAMARITAN MODIFIER LETTER I
0829	𐤩	SAMARITAN VOWEL SIGN LONG I = kasra
082A	𐤪	SAMARITAN VOWEL SIGN I
082B	𐤫	SAMARITAN VOWEL SIGN O
082C	𐤬	SAMARITAN VOWEL SIGN SUKUN

Variant reading sign

082D	𐤭	SAMARITAN MARK NEQUDAA
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Punctuation

0830	𐤮	SAMARITAN PUNCTUATION NEQUDAA = word separator
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0831	𐤯	SAMARITAN PUNCTUATION AFSAAQ = interruption
0832	𐤰	SAMARITAN PUNCTUATION ANGED = restraint
0833	𐤱	SAMARITAN PUNCTUATION BAU = prayer
0834	𐤲	SAMARITAN PUNCTUATION ATMAAU = surprise
0835	𐤳	SAMARITAN PUNCTUATION SHIYYAALAA = question
0836	𐤴	SAMARITAN ABBREVIATION MARK
0837	𐤵	SAMARITAN PUNCTUATION MELODIC QITSA
0838	𐤶	SAMARITAN PUNCTUATION ZIQAA = shouting
0839	𐤷	SAMARITAN PUNCTUATION QITSA = end of section
083A	𐤸	SAMARITAN PUNCTUATION ZAEF = outburst
083B	𐤹	SAMARITAN PUNCTUATION TURU = teaching
083C	𐤺	SAMARITAN PUNCTUATION ARKAANU = submissiveness
083D	𐤻	SAMARITAN PUNCTUATION SOF MASHFAAT = full stop
083E	𐤼	SAMARITAN PUNCTUATION ANNAAU = rest

	084	085
0	𐤀 0840	𐤁 0850
1	𐤂 0841	𐤃 0851
2	𐤄 0842	𐤅 0852
3	𐤆 0843	𐤇 0853
4	𐤈 0844	𐤉 0854
5	𐤊 0845	𐤋 0855
6	𐤌 0846	𐤍 0856
7	𐤎 0847	𐤏 0857
8	𐤐 0848	𐤑 0858
9	𐤒 0849	𐤓 0859
A	𐤔 084A	𐤕 085A
B	𐤖 084B	𐤗 085B
C	𐤙 084C	
D	𐤛 084D	
E	𐤝 084E	𐤞 085E
F	𐤟 084F	

Letters

- 0840 𐤀 MANDAIC LETTER HALQA
= a
- 0841 𐤂 MANDAIC LETTER AB
- 0842 𐤄 MANDAIC LETTER AG
- 0843 𐤆 MANDAIC LETTER AD
- 0844 𐤈 MANDAIC LETTER AH
- 0845 𐤊 MANDAIC LETTER USHENNA
= u
- 0846 𐤌 MANDAIC LETTER AZ
- 0847 𐤎 MANDAIC LETTER IT
- 0848 𐤐 MANDAIC LETTER ATT
- 0849 𐤒 MANDAIC LETTER AKSA
= i
- 084A 𐤔 MANDAIC LETTER AK
- 084B 𐤖 MANDAIC LETTER AL
- 084C 𐤙 MANDAIC LETTER AM
- 084D 𐤛 MANDAIC LETTER AN
- 084E 𐤝 MANDAIC LETTER AS
- 084F 𐤟 MANDAIC LETTER IN
- 0850 𐤁 MANDAIC LETTER AP
- 0851 𐤃 MANDAIC LETTER ASZ
- 0852 𐤅 MANDAIC LETTER AQ
- 0853 𐤇 MANDAIC LETTER AR
- 0854 𐤉 MANDAIC LETTER ASH
- 0855 𐤋 MANDAIC LETTER AT
- 0856 𐤍 MANDAIC LETTER DUSHENNA
= di
- 0857 𐤏 MANDAIC LETTER KAD
- 0858 𐤑 MANDAIC LETTER AIN

Diacritics

- 0859 𐤓 MANDAIC AFFRICATION MARK
- 085A 𐤕 MANDAIC VOCALIZATION MARK
- 085B 𐤗 MANDAIC GEMINATION MARK

Punctuation

- 085E 𐤞 MANDAIC PUNCTUATION

	090	091	092	093	094	095	096	097
0	ै 0900	ऐ 0910	ठ 0920	र 0930	ी 0940	ॐ 0950	ॠ 0960	० 0970
1	ँ 0901	ऑ 0911	ड 0921	ॠ 0931	ु 0941	ं 0951	ृ 0961	ं 0971
2	ं 0902	ओ 0912	ढ 0922	ल 0932	्र 0942	ः 0952	ॡ 0962	ँ 0972
3	ः 0903	ओ 0913	ण 0923	ळ 0933	ृ 0943	े 0953	ॢ 0963	अ 0973
4	ऐ 0904	औ 0914	त 0924	ळ 0934	ॣ 0944	े 0954	। 0964	आ 0974
5	अ 0905	क 0915	थ 0925	व 0935	ँ 0945	ँ 0955	॥ 0965	औ 0975
6	आ 0906	ख 0916	द 0926	श 0936	े 0946	ु 0956	० 0966	अ 0976
7	इ 0907	ग 0917	ध 0927	ष 0937	े 0947	ू 0957	१ 0967	अ 0977
8	ई 0908	घ 0918	न 0928	स 0938	ै 0948	क 0958	२ 0968	
9	उ 0909	ङ 0919	न 0929	ह 0939	ॉ 0949	ख 0959	३ 0969	ज़ 0979
A	ऊ 090A	च 091A	प 092A	ं 093A	ो 094A	ग 095A	४ 096A	ष 097A
B	ॠ 090B	छ 091B	फ 092B	ा 093B	ो 094B	ज़ 095B	५ 096B	ग 097B
C	ॡ 090C	ज 091C	ब 092C	़ 093C	ौ 094C	ड़ 095C	६ 096C	ज़ 097C
D	ँ 090D	झ 091D	भ 092D	ऽ 093D	्र 094D	ढ़ 095D	७ 096D	१ 097D
E	ँ 090E	ञ 091E	म 092E	ा 093E	ि 094E	फ़ 095E	८ 096E	ड 097E
F	ए 090F	ट 091F	य 092F	ि 093F	ौ 094F	य 095F	९ 096F	ब 097F

Various signs

0900	ँ	DEVANAGARI SIGN INVERTED CANDRABINDU = vaidika adhomukha candrabindu
0901	ं	DEVANAGARI SIGN CANDRABINDU = anunasika → 0310 ँ combining candrabindu
0902	॰	DEVANAGARI SIGN ANUSVARA = bindu
0903	ः	DEVANAGARI SIGN VISARGA

Independent vowels

0904	अ	DEVANAGARI LETTER SHORT A
0905	आ	DEVANAGARI LETTER A
0906	आ	DEVANAGARI LETTER AA
0907	इ	DEVANAGARI LETTER I
0908	ई	DEVANAGARI LETTER II
0909	उ	DEVANAGARI LETTER U
090A	ऊ	DEVANAGARI LETTER UU
090B	ऋ	DEVANAGARI LETTER VOCALIC R
090C	ॠ	DEVANAGARI LETTER VOCALIC L
090D	ँ	DEVANAGARI LETTER CANDRA E
090E	ँ	DEVANAGARI LETTER SHORT E • for transcribing Dravidian short e
090F	ए	DEVANAGARI LETTER E
0910	ऐ	DEVANAGARI LETTER AI
0911	ओ	DEVANAGARI LETTER CANDRA O
0912	ओ	DEVANAGARI LETTER SHORT O • for transcribing Dravidian short o
0913	औ	DEVANAGARI LETTER O
0914	औ	DEVANAGARI LETTER AU

Consonants

0915	क	DEVANAGARI LETTER KA
0916	ख	DEVANAGARI LETTER KHA
0917	ग	DEVANAGARI LETTER GA
0918	घ	DEVANAGARI LETTER GHA
0919	ङ	DEVANAGARI LETTER NGA
091A	च	DEVANAGARI LETTER CA
091B	छ	DEVANAGARI LETTER CHA
091C	ज	DEVANAGARI LETTER JA
091D	झ	DEVANAGARI LETTER JHA
091E	ञ	DEVANAGARI LETTER NYA
091F	ट	DEVANAGARI LETTER TTA
0920	ठ	DEVANAGARI LETTER TTHA
0921	ड	DEVANAGARI LETTER DDA
0922	ढ	DEVANAGARI LETTER DDHA
0923	ण	DEVANAGARI LETTER NNA
0924	त	DEVANAGARI LETTER TA
0925	थ	DEVANAGARI LETTER THA
0926	द	DEVANAGARI LETTER DA
0927	ध	DEVANAGARI LETTER DHA
0928	न	DEVANAGARI LETTER NA
0929	न्	DEVANAGARI LETTER NNNA • for transcribing Dravidian alveolar n ≡ 0928 न 093C ण
092A	प	DEVANAGARI LETTER PA
092B	फ	DEVANAGARI LETTER PHA
092C	ब	DEVANAGARI LETTER BA
092D	भ	DEVANAGARI LETTER BHA
092E	म	DEVANAGARI LETTER MA
092F	य	DEVANAGARI LETTER YA
0930	र	DEVANAGARI LETTER RA

0931	ऌ	DEVANAGARI LETTER RRA • for transcribing Dravidian alveolar r • half form is represented as "Eyelash RA" ≡ 0930 र 093C ण
0932	ल	DEVANAGARI LETTER LA
0933	ळ	DEVANAGARI LETTER LLA
0934	ळ	DEVANAGARI LETTER LLLA • for transcribing Dravidian l ≡ 0933 ळ 093C ण
0935	व	DEVANAGARI LETTER VA
0936	श	DEVANAGARI LETTER SHA
0937	ष	DEVANAGARI LETTER SSA
0938	स	DEVANAGARI LETTER SA
0939	ह	DEVANAGARI LETTER HA

Dependent vowel signs for Kashmiri

093A	ॠ	DEVANAGARI VOWEL SIGN OE
093B	ॡ	DEVANAGARI VOWEL SIGN OOE

Various signs

093C	ॣ	DEVANAGARI SIGN NUKTA • for extending the alphabet to new letters
093D	ऽ	DEVANAGARI SIGN AVAGRAHA

Dependent vowel signs

093E	ॠ	DEVANAGARI VOWEL SIGN AA
093F	ि	DEVANAGARI VOWEL SIGN I • stands to the left of the consonant
0940	ी	DEVANAGARI VOWEL SIGN II
0941	ु	DEVANAGARI VOWEL SIGN U
0942	ू	DEVANAGARI VOWEL SIGN UU
0943	ृ	DEVANAGARI VOWEL SIGN VOCALIC R
0944	ॠ	DEVANAGARI VOWEL SIGN VOCALIC RR
0945	ँ	DEVANAGARI VOWEL SIGN CANDRA E = candra
0946	ॡ	DEVANAGARI VOWEL SIGN SHORT E • for transcribing Dravidian vowels
0947	ॢ	DEVANAGARI VOWEL SIGN E
0948	ॣ	DEVANAGARI VOWEL SIGN AI
0949	।	DEVANAGARI VOWEL SIGN CANDRA O
094A	॥	DEVANAGARI VOWEL SIGN SHORT O • for transcribing Dravidian vowels
094B	०	DEVANAGARI VOWEL SIGN O
094C	ॠ	DEVANAGARI VOWEL SIGN AU

Virama

094D	्	DEVANAGARI SIGN VIRAMA = halant (the preferred Hindi name) • suppresses inherent vowel
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Dependent vowel signs

094E	ॠ	DEVANAGARI VOWEL SIGN PRISHTHAMATRA E • character has historic use only • combines with E to form AI, with AA to form O, and with O to form AU
094F	ॡ	DEVANAGARI VOWEL SIGN AW • Kashmiri

Sign

0950	ॐ	DEVANAGARI OM
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Vedic tone marks

- 0951 ँ DEVANAGARI STRESS SIGN UDATTA
= Vedic tone svarita
• mostly used for svarita, with rare use for udatta
• used also in Vedic texts written in other scripts
→ 1CDA ँ vedic tone double svarita
- 0952 ऎ DEVANAGARI STRESS SIGN ANUDATTA
= Vedic tone anudatta
• used also in Vedic texts written in other scripts
→ 1CDC ऎ vedic tone kathaka anudatta

Accent marks

- 0953 ॐ DEVANAGARI GRAVE ACCENT
→ 0300 ॐ combining grave accent
- 0954 ॐ DEVANAGARI ACUTE ACCENT
→ 0301 ॐ combining acute accent
- 0955 ॐ DEVANAGARI VOWEL SIGN CANDRA LONG E
• used in transliteration of Avestan

Dependent vowel signs for Kashmiri

- 0956 ॐ DEVANAGARI VOWEL SIGN UE
- 0957 ॐ DEVANAGARI VOWEL SIGN UUE

Additional consonants

- 0958 क़ DEVANAGARI LETTER QA
≡ 0915 क़ 093C ॆ
- 0959 ख़ DEVANAGARI LETTER KHHA
≡ 0916 ख़ 093C ॆ
- 095A ग़ DEVANAGARI LETTER GHHA
≡ 0917 ग़ 093C ॆ
- 095B ज़ DEVANAGARI LETTER ZA
≡ 091C ज़ 093C ॆ
- 095C ङ़ DEVANAGARI LETTER DDDHA
≡ 0921 ङ़ 093C ॆ
- 095D ढ़ DEVANAGARI LETTER RHA
≡ 0922 ढ़ 093C ॆ
- 095E फ़ DEVANAGARI LETTER FA
≡ 092B फ़ 093C ॆ
- 095F य़ DEVANAGARI LETTER YYA
≡ 092F य़ 093C ॆ

Additional vowels for Sanskrit

- 0960 ठ़ DEVANAGARI LETTER VOCALIC RR
- 0961 ड़ DEVANAGARI LETTER VOCALIC LL
- 0962 ॠॡ DEVANAGARI VOWEL SIGN VOCALIC L
- 0963 ॠॢ DEVANAGARI VOWEL SIGN VOCALIC LL

Generic punctuation for scripts of India

These punctuation marks are for common use for the scripts of India despite being named "DEVANAGARI". They also occur as abbreviation signs in some South Indian scripts.

- 0964 । DEVANAGARI DANDA
= purna viram
• phrase separator
- 0965 ॥ DEVANAGARI DOUBLE DANDA
= deergh viram

Digits

- 0966 ० DEVANAGARI DIGIT ZERO
- 0967 १ DEVANAGARI DIGIT ONE
- 0968 २ DEVANAGARI DIGIT TWO
- 0969 ३ DEVANAGARI DIGIT THREE
- 096A ४ DEVANAGARI DIGIT FOUR
- 096B ५ DEVANAGARI DIGIT FIVE
- 096C ६ DEVANAGARI DIGIT SIX

- 096D ७ DEVANAGARI DIGIT SEVEN
- 096E ८ DEVANAGARI DIGIT EIGHT
- 096F ९ DEVANAGARI DIGIT NINE

Abbreviation sign

- 0970 ॰ DEVANAGARI ABBREVIATION SIGN
• intended for Devanagari-specific abbreviations
- 0971 ˙ DEVANAGARI SIGN HIGH SPACING DOT

Independent vowel for Marathi

- 0972 ॠ DEVANAGARI LETTER CANDRA A

Independent vowels for Kashmiri

- 0973 ॠ DEVANAGARI LETTER OE
- 0974 ॡ DEVANAGARI LETTER OOE
- 0975 ॢ DEVANAGARI LETTER AW
- 0976 ॣ DEVANAGARI LETTER UE
- 0977 । DEVANAGARI LETTER UUE

Additional consonants

- 0979 ॥ DEVANAGARI LETTER ZHA
• used in transliteration of Avestan
- 097A ॥ DEVANAGARI LETTER HEAVY YA
• used for an affricated glide JJYA

Sindhi implosives

- 097B ॥ DEVANAGARI LETTER GGA
- 097C ॥ DEVANAGARI LETTER JJA

Glottal stop

- 097D ॥ DEVANAGARI LETTER GLOTTAL STOP
• used for writing Limbu in Devanagari
• a glyph variant has the connecting top bar

Sindhi implosives

- 097E ॥ DEVANAGARI LETTER DDDA
- 097F ॥ DEVANAGARI LETTER BBA

	098	099	09A	09B	09C	09D	09E	09F
0		ঐ 0990	ঊ 09A0	ঋ 09B0	ঌ 09C0		঍ 09E0	঎ 09F0
1	ঁ 0981		ড 09A1		ঢ় 09C1		ঢ 09E1	ঢ় 09F1
2	ৎ 0982		ঢ 09A2	ণ 09B2	ত্ৰ 09C2		ত্ৰ 09E2	ত্ৰ 09F2
3	ৎ 0983	ঙ 0993	ঞ 09A3		ত্ৰ 09C3		ত্ৰ 09E3	ত্ৰ 09F3
4		ঙ 0994	ত 09A4		ত্ৰ 09C4			ত্ৰ 09F4
5	অ 0985	ক 0995	খ 09A5					খ 09F5
6	আ 0986	খ 0996	দ 09A6	শ 09B6			০ 09E6	খ 09F6
7	ই 0987	গ 0997	ঝ 09A7	ষ 09B7	়ে 09C7	়ী 09D7	৷ 09E7	। 09F7
8	ঈ 0988	ঘ 0998	ন 09A8	স 09B8	়ৈ 09C8		৷ 09E8	ন 09F8
9	ঊ 0989	ঙ 0999		হ 09B9			৩ 09E9	০ 09F9
A	ঋ 098A	চ 099A	প 09AA				৪ 09EA	৷ 09FA
B	ঌ 098B	ছ 099B	ফ 09AB		ৌ 09CB		৫ 09EB	৷ 09FB
C	঍ 098C	জ 099C	ব 09AC	় 09BC	ৌ 09CC	ড় 09DC	৬ 09EC	
D		ঝ 099D	ভ 09AD	ৎ 09BD	় 09CD	ঢ 09DD	৭ 09ED	
E		ঞ 099E	য 09AE	়া 09BE	়ে 09CE		৮ 09EE	
F	ঐ 098F	ট 099F	য 09AF	ি 09BF		য় 09DF	৯ 09EF	

Various signs

0981	০	BENGALI SIGN CANDRABINDU
0982	ৠ	BENGALI SIGN ANUSVARA
0983	ৡ	BENGALI SIGN VISARGA

Independent vowels

0985	অ	BENGALI LETTER A
0986	আ	BENGALI LETTER AA
0987	ই	BENGALI LETTER I
0988	ঈ	BENGALI LETTER II
0989	উ	BENGALI LETTER U
098A	ঊ	BENGALI LETTER UU
098B	ঋ	BENGALI LETTER VOCALIC R
098C	ঌ	BENGALI LETTER VOCALIC L
098D	৳	<reserved>
098E	৴	<reserved>
098F	এ	BENGALI LETTER E
0990	ঐ	BENGALI LETTER AI
0991	৳	<reserved>
0992	৴	<reserved>
0993	ও	BENGALI LETTER O
0994	ঔ	BENGALI LETTER AU

Consonants

0995	ক	BENGALI LETTER KA
0996	খ	BENGALI LETTER KHA
0997	গ	BENGALI LETTER GA
0998	ঘ	BENGALI LETTER GHA
0999	ঙ	BENGALI LETTER NGA
099A	চ	BENGALI LETTER CA
099B	ছ	BENGALI LETTER CHA
099C	জ	BENGALI LETTER JA
099D	ঝ	BENGALI LETTER JHA
099E	ঞ	BENGALI LETTER NYA
099F	ট	BENGALI LETTER TTA
09A0	ঠ	BENGALI LETTER TTHA
09A1	ড	BENGALI LETTER DDA
09A2	ঢ	BENGALI LETTER DDHA
09A3	ন	BENGALI LETTER NNA
09A4	ত	BENGALI LETTER TA
09A5	থ	BENGALI LETTER THA
09A6	দ	BENGALI LETTER DA
09A7	ধ	BENGALI LETTER DHA
09A8	ন	BENGALI LETTER NA
09A9	৳	<reserved>
09AA	প	BENGALI LETTER PA
09AB	ফ	BENGALI LETTER PHA
09AC	ব	BENGALI LETTER BA = Bengali va, wa
09AD	ভ	BENGALI LETTER BHA
09AE	ম	BENGALI LETTER MA
09AF	য	BENGALI LETTER YA
09B0	র	BENGALI LETTER RA
09B1	৳	<reserved>
09B2	ল	BENGALI LETTER LA
09B3	৳	<reserved>
09B4	৴	<reserved>
09B5	৵	<reserved>
09B6	শ	BENGALI LETTER SHA
09B7	ষ	BENGALI LETTER SSA
09B8	স	BENGALI LETTER SA
09B9	হ	BENGALI LETTER HA

Various signs

09BC	০	BENGALI SIGN NUKTA • for extending the alphabet to new letters
09BD	ৡ	BENGALI SIGN AVAGRAHA

Dependent vowel signs

09BE	া	BENGALI VOWEL SIGN AA
09BF	ি	BENGALI VOWEL SIGN I • stands to the left of the consonant
09C0	ী	BENGALI VOWEL SIGN II
09C1	ু	BENGALI VOWEL SIGN U
09C2	ূ	BENGALI VOWEL SIGN UU
09C3	ৠ	BENGALI VOWEL SIGN VOCALIC R
09C4	ৡ	BENGALI VOWEL SIGN VOCALIC RR
09C5	৳	<reserved>
09C6	৴	<reserved>
09C7	ে	BENGALI VOWEL SIGN E • stands to the left of the consonant
09C8	ৈ	BENGALI VOWEL SIGN AI • stands to the left of the consonant

Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

09CB	ো	BENGALI VOWEL SIGN O ≡ 09C7 ে 09BE ঐ
09CC	ৌ	BENGALI VOWEL SIGN AU ≡ 09C7 ে 09D7 ঐ

Virama

09CD	০	BENGALI SIGN VIRAMA = hasant (Bengali term for halant)
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Additional consonant

09CE	ৎ	BENGALI LETTER KHANDA TA • a dead consonant form of ta, without implicit vowel, used in some sequences
------	---	---

Sign

09D7	ী	BENGALI AU LENGTH MARK
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Additional consonants

09DC	৳	BENGALI LETTER RRA ≡ 09A1 ড 09BC ০
09DD	ঢ	BENGALI LETTER RHA ≡ 09A2 ঢ 09BC ০
09DE	৳	<reserved>
09DF	য	BENGALI LETTER YYA ≡ 09AF য 09BC ০

Additional vowels for Sanskrit

09E0	ঋ	BENGALI LETTER VOCALIC RR
09E1	ঌ	BENGALI LETTER VOCALIC LL
09E2	ৠ	BENGALI VOWEL SIGN VOCALIC L
09E3	ৡ	BENGALI VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

09E4	॥	<reserved> → 0964 I devanagari danda
09E5	॥	<reserved> → 0965 II devanagari double danda

Digits

09E6	০	BENGALI DIGIT ZERO
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09E7	১	BENGALI DIGIT ONE
09E8	২	BENGALI DIGIT TWO
09E9	৩	BENGALI DIGIT THREE
09EA	৪	BENGALI DIGIT FOUR
09EB	৫	BENGALI DIGIT FIVE
09EC	৬	BENGALI DIGIT SIX
09ED	৭	BENGALI DIGIT SEVEN
09EE	৮	BENGALI DIGIT EIGHT
09EF	৯	BENGALI DIGIT NINE

Bengali-specific additions

09F0	৺	BENGALI LETTER RA WITH MIDDLE DIAGONAL
		• Assamese
09F1	৻	BENGALI LETTER RA WITH LOWER DIAGONAL
		= bengali letter va with lower diagonal (1.0)
		• Assamese
09F2	ৼ	BENGALI RUPEE MARK
09F3	৽	BENGALI RUPEE SIGN
09F4	৾	BENGALI CURRENCY NUMERATOR ONE
		• not in current usage
09F5	৿	BENGALI CURRENCY NUMERATOR TWO
		• not in current usage
09F6	৾	BENGALI CURRENCY NUMERATOR THREE
		• not in current usage
09F7	৿	BENGALI CURRENCY NUMERATOR FOUR
09F8	৾	BENGALI CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
09F9	৾	BENGALI CURRENCY DENOMINATOR SIXTEEN
09FA	৾	BENGALI ISSHAR
09FB	৾	BENGALI GANDA MARK

	0A0	0A1	0A2	0A3	0A4	0A5	0A6	0A7
0		ਐ 0A10	ਠ 0A20	ਰ 0A30	ੀ 0A40			ੰ 0A70
1	ੱ 0A01		ਡ 0A21		ੌ 0A41	ੜ 0A51		ੱ 0A71
2	ੰ 0A02		ਢ 0A22	ਲ 0A32	ੌ 0A42			ੲ 0A72
3	ੰ 0A03	ਓ 0A13	ਲ 0A23	ਲ਼ 0A33				ੳ 0A73
4		ਐ 0A14	ਤ 0A24					ੴ 0A74
5	ਅ 0A05	ਕ 0A15	ਥ 0A25	ਵ 0A35				ੜ 0A75
6	ਆ 0A06	ਖ 0A16	ਦ 0A26	ਸ਼ 0A36			ੱ 0A66	
7	ਇ 0A07	ਗ 0A17	ਧ 0A27		ੇ 0A47		ੲ 0A67	
8	ਈ 0A08	ਘ 0A18	ਨ 0A28	ਸ਼ 0A38	ੈ 0A48		ੳ 0A68	
9	ਉ 0A09	ਙ 0A19		ਹ 0A39		ਖ਼ 0A59	ੴ 0A69	
A	ੳ 0A0A	ਚ 0A1A	ਪ 0A2A			ਗ਼ 0A5A	ੲ 0A6A	
B		ਛ 0A1B	ਫ 0A2B		ੋ 0A4B	ਜ਼ 0A5B	ਪ਼ 0A6B	
C		ਜ਼ 0A1C	ਬ਼ 0A2C	ੜ 0A3C	ੌ 0A4C	ਝ 0A5C	ਞ 0A6C	
D		ਝ 0A1D	ਭ 0A2D		ੜ 0A4D		ੱ 0A6D	
E		ਝ 0A1E	ਮ 0A2E	ਾ 0A3E		ਫ਼ 0A5E	ਟ 0A6E	
F	ਏ 0A0F	ਟ 0A1F	ਯ 0A2F	ਿ 0A3F			ੲ 0A6F	

Various signs

0A01	◌̇	GURMUKHI SIGN ADAK BINDI
0A02	◌̈	GURMUKHI SIGN BINDI
0A03	◌̈̇	GURMUKHI SIGN VISARGA

Independent vowels

0A05	ਅ	GURMUKHI LETTER A = aira
0A06	ਆ	GURMUKHI LETTER AA
0A07	ਇ	GURMUKHI LETTER I
0A08	ਈ	GURMUKHI LETTER II
0A09	ਉ	GURMUKHI LETTER U
0A0A	ਊ	GURMUKHI LETTER UU
0A0B	◌̄	<reserved>
0A0C	◌̅	<reserved>
0A0D	◌̆	<reserved>
0A0E	◌̇	<reserved>
0A0F	ੲ	GURMUKHI LETTER EE
0A10	ਐ	GURMUKHI LETTER AI
0A11	◌̈̇	<reserved>
0A12	◌̈̈	<reserved>
0A13	ੳ	GURMUKHI LETTER OO
0A14	ਔ	GURMUKHI LETTER AU

Consonants

0A15	ਕ	GURMUKHI LETTER KA
0A16	ਖ	GURMUKHI LETTER KHA
0A17	ਗ	GURMUKHI LETTER GA
0A18	ਘ	GURMUKHI LETTER GHA
0A19	ਙ	GURMUKHI LETTER NGA
0A1A	ਚ	GURMUKHI LETTER CA
0A1B	ਛ	GURMUKHI LETTER CHA
0A1C	ਜ	GURMUKHI LETTER JA
0A1D	ਝ	GURMUKHI LETTER JHA
0A1E	ਞ	GURMUKHI LETTER NYA
0A1F	ਟ	GURMUKHI LETTER TTA
0A20	ਠ	GURMUKHI LETTER TTHA
0A21	ਡ	GURMUKHI LETTER DDA
0A22	ਢ	GURMUKHI LETTER DDHA
0A23	ਣ	GURMUKHI LETTER NNA
0A24	ਤ	GURMUKHI LETTER TA
0A25	ਥ	GURMUKHI LETTER THA
0A26	ਦ	GURMUKHI LETTER DA
0A27	ਧ	GURMUKHI LETTER DHA
0A28	ਨ	GURMUKHI LETTER NA
0A29	◌̄	<reserved>
0A2A	ਪ	GURMUKHI LETTER PA
0A2B	ਫ	GURMUKHI LETTER PHA
0A2C	ਬ	GURMUKHI LETTER BA
0A2D	ਭ	GURMUKHI LETTER BHA
0A2E	ਮ	GURMUKHI LETTER MA
0A2F	ਯ	GURMUKHI LETTER YA
0A30	ਰ	GURMUKHI LETTER RA
0A31	◌̄	<reserved>
0A32	ਲ	GURMUKHI LETTER LA
0A33	ਲ਼	GURMUKHI LETTER LLA ≡ 0A32 ਲ਼ 0A3C ◌̇
0A34	◌̄	<reserved>
0A35	ਵ	GURMUKHI LETTER VA
0A36	ਸ਼	GURMUKHI LETTER SHA ≡ 0A38 ਸ਼ 0A3C ◌̇
0A37	◌̄	<reserved>
0A38	ਸ	GURMUKHI LETTER SA

0A39 ਚ਼ GURMUKHI LETTER HA

Various signs

0A3C	◌̇	GURMUKHI SIGN NUKTA = pairin bindi • for extending the alphabet to new letters
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Dependent vowel signs

0A3E	◌̄	GURMUKHI VOWEL SIGN AA = kanna
0A3F	◌̅	GURMUKHI VOWEL SIGN I = sihari • stands to the left of the consonant
0A40	◌̆	GURMUKHI VOWEL SIGN II = bihari
0A41	◌̇	GURMUKHI VOWEL SIGN U = aunkar
0A42	◌̈	GURMUKHI VOWEL SIGN UU = dulainkar
0A43	◌̄	<reserved>
0A44	◌̅	<reserved>
0A45	◌̆	<reserved>
0A46	◌̇	<reserved>
0A47	◌̈̇	GURMUKHI VOWEL SIGN EE = lanvan
0A48	◌̈̈	GURMUKHI VOWEL SIGN AI = dulanvan
0A49	◌̄	<reserved>
0A4A	◌̅	<reserved>
0A4B	◌̆	GURMUKHI VOWEL SIGN OO = hora
0A4C	◌̇	GURMUKHI VOWEL SIGN AU = kanaura

Virama

0A4D ◌̈̇ GURMUKHI SIGN VIRAMA

Sign

0A51 ◌̈̇ GURMUKHI SIGN UDAAT

Additional consonants

0A59	ਖ਼	GURMUKHI LETTER KHHA ≡ 0A16 ਖ਼ 0A3C ◌̇
0A5A	ਗ਼	GURMUKHI LETTER GHHA ≡ 0A17 ਗ਼ 0A3C ◌̇
0A5B	ਜ਼	GURMUKHI LETTER ZA ≡ 0A1C ਜ਼ 0A3C ◌̇
0A5C	ਝ਼	GURMUKHI LETTER RRA
0A5D	◌̄	<reserved>
0A5E	ਫ਼	GURMUKHI LETTER FA ≡ 0A2B ਫ਼ 0A3C ◌̇

Reserved*For viram punctuation, use the generic Indic 0964 and 0965.*

0A64	◌̄	<reserved> → 0964 I devanagari danda
0A65	◌̅	<reserved> → 0965 II devanagari double danda

Digits

0A66	੦	GURMUKHI DIGIT ZERO
0A67	੧	GURMUKHI DIGIT ONE
0A68	੨	GURMUKHI DIGIT TWO
0A69	੩	GURMUKHI DIGIT THREE
0A6A	੪	GURMUKHI DIGIT FOUR
0A6B	੫	GURMUKHI DIGIT FIVE

0A6C	੬	GURMUKHI DIGIT SIX
0A6D	੭	GURMUKHI DIGIT SEVEN
0A6E	੮	GURMUKHI DIGIT EIGHT
0A6F	੯	GURMUKHI DIGIT NINE

Gurmukhi-specific additions

0A70	ੰ	GURMUKHI TIPPI • nasalization
0A71	ੳ	GURMUKHI ADDAK • doubles following consonant
0A72	ੲ	GURMUKHI IRI • base for vowels
0A73	ੳ	GURMUKHI URA • base for vowels
0A74	ੴ	GURMUKHI EK ONKAR • God is One
0A75	ੲ	GURMUKHI SIGN YAKASH

	0A8	0A9	0AA	0AB	0AC	0AD	0AE	0AF
0		ૐ 0A90	ઠ 0AA0	ર 0AB0	ી 0AC0	ૐ 0AD0	જ્ઞ 0AE0	
1	ઁ 0A81	ઑ 0A91	ડ 0AA1		ૃ 0AC1		ૃ 0AE1	ૃ૦ 0AF1
2	ં 0A82		ઢ 0AA2	લ 0AB2	ૃ 0AC2		ૃ 0AE2	
3	ઃ 0A83	ઔ 0A93	ણ 0AA3	ળ 0AB3	ૃ 0AC3		ૃ 0AE3	
4		ઔ 0A94	ત 0AA4		ૃ 0AC4			
5	અ 0A85	ક 0A95	થ 0AA5	વ 0AB5	ૃ 0AC5			
6	આ 0A86	ખ 0A96	દ 0AA6	શ 0AB6			૦ 0AE6	
7	ઈ 0A87	ગ 0A97	ધ 0AA7	ષ 0AB7	ૃ 0AC7		૧ 0AE7	
8	ઇ 0A88	ઘ 0A98	ન 0AA8	સ 0AB8	ૃ 0AC8		૨ 0AE8	
9	ઉ 0A89	ડ 0A99		હ 0AB9	ૃ 0AC9		૩ 0AE9	
A	ઊ 0A8A	ચ 0A9A	પ 0AA9				૪ 0AEA	
B	ઝ 0A8B	છ 0A9B	ફ 0AAB		ૃ 0ACB		૫ 0AEB	
C	જ 0A8C	ઝ 0A9C	બ 0AAC	઼ 0ABC	ૃ 0ACC		૬ 0AEC	
D	ઝ 0A8D	ઝ 0A9D	ભ 0AAD	ડ 0ABD	ૃ 0ACD		૭ 0AED	
E		ઝ 0A9E	મ 0AAE	ા 0ABE			૮ 0AEE	
F	ઞ 0A8F	ટ 0A9F	ય 0AAF	િ 0ABF			૯ 0AEF	

Various signs

0A81	ँ	GUJARATI SIGN CANDRABINDU
0A82	ं	GUJARATI SIGN ANUSVARA
0A83	ः	GUJARATI SIGN VISARGA

Independent vowels

0A85	અ	GUJARATI LETTER A
0A86	અા	GUJARATI LETTER AA
0A87	ઇ	GUJARATI LETTER I
0A88	ઇા	GUJARATI LETTER II
0A89	ઉ	GUJARATI LETTER U
0A8A	ઉા	GUJARATI LETTER UU
0A8B	ઋ	GUJARATI LETTER VOCALIC R
0A8C	ૠ	GUJARATI LETTER VOCALIC L • used with Sanskrit text
0A8D	અં	GUJARATI VOWEL CANDRA E
0A8E	◻	<reserved>
0A8F	એ	GUJARATI LETTER E
0A90	એા	GUJARATI LETTER AI
0A91	ઐ	GUJARATI VOWEL CANDRA O
0A92	◻	<reserved>
0A93	ઑ	GUJARATI LETTER O
0A94	ઔ	GUJARATI LETTER AU

Consonants

0A95	ક	GUJARATI LETTER KA
0A96	ખ	GUJARATI LETTER KHA
0A97	ગ	GUJARATI LETTER GA
0A98	ઘ	GUJARATI LETTER GHA
0A99	ઙ	GUJARATI LETTER NGA
0A9A	ચ	GUJARATI LETTER CA
0A9B	છ	GUJARATI LETTER CHA
0A9C	જ	GUJARATI LETTER JA
0A9D	ઝ	GUJARATI LETTER JHA
0A9E	ઞ	GUJARATI LETTER NYA
0A9F	ટ	GUJARATI LETTER TTA
0AA0	ઠ	GUJARATI LETTER TTHA
0AA1	ડ	GUJARATI LETTER DDA
0AA2	ઢ	GUJARATI LETTER DDHA
0AA3	ણ	GUJARATI LETTER NNA
0AA4	ત	GUJARATI LETTER TA
0AA5	થ	GUJARATI LETTER THA
0AA6	દ	GUJARATI LETTER DA
0AA7	ધ	GUJARATI LETTER DHA
0AA8	ન	GUJARATI LETTER NA
0AA9	◻	<reserved>
0AAA	પ	GUJARATI LETTER PA
0AAB	ફ	GUJARATI LETTER PHA
0AAC	બ	GUJARATI LETTER BA
0AAD	ભ	GUJARATI LETTER BHA
0AAE	મ	GUJARATI LETTER MA
0AAF	ય	GUJARATI LETTER YA
0AB0	ર	GUJARATI LETTER RA
0AB1	◻	<reserved>
0AB2	લ	GUJARATI LETTER LA
0AB3	ળ	GUJARATI LETTER LLA
0AB4	◻	<reserved>
0AB5	વ	GUJARATI LETTER VA
0AB6	શ	GUJARATI LETTER SHA
0AB7	ષ	GUJARATI LETTER SSA
0AB8	સ	GUJARATI LETTER SA
0AB9	હ	GUJARATI LETTER HA

Various signs

0ABC	્	GUJARATI SIGN NUKTA • for extending the alphabet to new letters
0ABD	્ઠ	GUJARATI SIGN AVAGRAHA

Dependent vowel signs

0ABE	ા	GUJARATI VOWEL SIGN AA
0ABF	િ	GUJARATI VOWEL SIGN I • stands to the left of the consonant
0AC0	ી	GUJARATI VOWEL SIGN II
0AC1	ુ	GUJARATI VOWEL SIGN U
0AC2	ુઃ	GUJARATI VOWEL SIGN UU
0AC3	ૃ	GUJARATI VOWEL SIGN VOCALIC R
0AC4	ૠ	GUJARATI VOWEL SIGN VOCALIC RR
0AC5	ં	GUJARATI VOWEL SIGN CANDRA E
0AC6	◻	<reserved>
0AC7	ે	GUJARATI VOWEL SIGN E
0AC8	ેા	GUJARATI VOWEL SIGN AI
0AC9	ૐ	GUJARATI VOWEL SIGN CANDRA O
0ACA	◻	<reserved>
0ACB	ૌ	GUJARATI VOWEL SIGN O
0ACC	ૌા	GUJARATI VOWEL SIGN AU

Virama

0ACD	્ઠ	GUJARATI SIGN VIRAMA
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Various signs

0AD0	ॐ	GUJARATI OM
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Additional vowels for Sanskrit

0AE0	ૠ	GUJARATI LETTER VOCALIC RR
0AE1	ૡ	GUJARATI LETTER VOCALIC LL
0AE2	ૣ	GUJARATI VOWEL SIGN VOCALIC L
0AE3	૤	GUJARATI VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

0AE4	◻	<reserved> → 0964 I devanagari danda
0AE5	◻◻	<reserved> → 0965 II devanagari double danda

Digits

0AE6	૦	GUJARATI DIGIT ZERO
0AE7	૧	GUJARATI DIGIT ONE
0AE8	૨	GUJARATI DIGIT TWO
0AE9	૩	GUJARATI DIGIT THREE
0AEA	૪	GUJARATI DIGIT FOUR
0AEB	૫	GUJARATI DIGIT FIVE
0AEC	૬	GUJARATI DIGIT SIX
0AED	૭	GUJARATI DIGIT SEVEN
0AEE	૮	GUJARATI DIGIT EIGHT
0AEF	૯	GUJARATI DIGIT NINE

Currency sign

0AF1	₹	GUJARATI RUPEE SIGN
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	0B0	0B1	0B2	0B3	0B4	0B5	0B6	0B7
0		୩ 0B10	୦ 0B20	୨ 0B30	ୠ 0B40		୩ 0B60	✓ 0B70
1	ୠ 0B01		ୢ 0B21		ୠ 0B41		୩ 0B61	ୣ 0B71
2	ୠ 0B02		ୢ 0B22	ୣ 0B32	ୠ 0B42		ୠ 0B62	୤ 0B72
3	ୠ 0B03	ୣ 0B13	୤ 0B23	୤ 0B33	ୠ 0B43		ୠ 0B63	୥ 0B73
4		୤ 0B14	୤ 0B24		ୠ 0B44			୥ 0B74
5	୥ 0B05	୤ 0B15	୥ 0B25	୤ 0B35				୦ 0B75
6	୥ 0B06	୤ 0B16	୤ 0B26	୤ 0B36		ୠ 0B56	୦ 0B66	୦ 0B76
7	୤ 0B07	୤ 0B17	୥ 0B27	୤ 0B37	ୠ 0B47	ୠ 0B57	ୠ 0B67	ୠ 0B77
8	୤ 0B08	୤ 0B18	୤ 0B28	୤ 0B38	ୠ 0B48		ୠ 0B68	
9	୤ 0B09	୤ 0B19		୤ 0B39			ୠ 0B69	
A	୤ 0B0A	୤ 0B1A	୤ 0B2A				ୠ 0B6A	
B	୤ 0B0B	୤ 0B1B	୤ 0B2B		ୠ 0B4B		ୠ 0B6B	
C	୤ 0B0C	୤ 0B1C	୤ 0B2C	ୠ 0B3C	ୠ 0B4C	ୠ 0B5C	ୠ 0B6C	
D		୤ 0B1D	୤ 0B2D	ୠ 0B3D	ୠ 0B4D	ୠ 0B5D	ୠ 0B6D	
E		୤ 0B1E	୤ 0B2E	ୠ 0B3E			ୠ 0B6E	
F	୤ 0B0F	୤ 0B1F	୤ 0B2F	ୠ 0B3F		ୠ 0B5F	ୠ 0B6F	

Various signs

0B01	◌̆	ORIYA SIGN CANDRABINDU
0B02	◌̇	ORIYA SIGN ANUSVARA
0B03	◌̈	ORIYA SIGN VISARGA

Independent vowels

0B05	ଅ	ORIYA LETTER A
0B06	ଆ	ORIYA LETTER AA
0B07	ଇ	ORIYA LETTER I
0B08	ଈ	ORIYA LETTER II
0B09	ଉ	ORIYA LETTER U
0B0A	ଊ	ORIYA LETTER UU
0B0B	ଋ	ORIYA LETTER VOCALIC R
0B0C	ୠ	ORIYA LETTER VOCALIC L
0B0D	◌̅	<reserved>
0B0E	◌̆	<reserved>
0B0F	ଏ	ORIYA LETTER E
0B10	ଐ	ORIYA LETTER AI
0B11	◌̅	<reserved>
0B12	◌̆	<reserved>
0B13	ଓ	ORIYA LETTER O
0B14	ଔ	ORIYA LETTER AU

Consonants

0B15	କ	ORIYA LETTER KA
0B16	ଖ	ORIYA LETTER KHA
0B17	ଗ	ORIYA LETTER GA
0B18	ଘ	ORIYA LETTER GHA
0B19	ଙ	ORIYA LETTER NGA
0B1A	ଚ	ORIYA LETTER CA
0B1B	ଛ	ORIYA LETTER CHA
0B1C	ଜ	ORIYA LETTER JA
0B1D	ଝ	ORIYA LETTER JHA
0B1E	ଞ	ORIYA LETTER NYA
0B1F	ଟ	ORIYA LETTER TTA
0B20	ଠ	ORIYA LETTER TTHA
0B21	ଡ	ORIYA LETTER DDA
0B22	ଢ	ORIYA LETTER DDHA
0B23	ଣ	ORIYA LETTER NNA
0B24	ତ	ORIYA LETTER TA
0B25	ଥ	ORIYA LETTER THA
0B26	ଦ	ORIYA LETTER DA
0B27	ଧ	ORIYA LETTER DHA
0B28	ନ	ORIYA LETTER NA
0B29	◌̅	<reserved>
0B2A	ପ	ORIYA LETTER PA
0B2B	ଫ	ORIYA LETTER PHA
0B2C	ବ	ORIYA LETTER BA
		→ 0B35 ଚ oriya letter va
0B2D	ଭ	ORIYA LETTER BHA
0B2E	ମ	ORIYA LETTER MA
0B2F	ଯ	ORIYA LETTER YA
		= ja
0B30	ର	ORIYA LETTER RA
0B31	◌̅	<reserved>
0B32	ଲ	ORIYA LETTER LA
0B33	ଳ	ORIYA LETTER LLA
0B34	◌̅	<reserved>
0B35	ୱ	ORIYA LETTER VA
		→ 0B2C ଚ oriya letter ba
0B36	ଶ	ORIYA LETTER SHA
0B37	ଷ	ORIYA LETTER SSA
0B38	ସ	ORIYA LETTER SA

0B39 ହ ORIYA LETTER HA

Various signs

0B3C	◌̆	ORIYA SIGN NUKTA
		• for extending the alphabet to new letters
0B3D	ୱ	ORIYA SIGN AVAGRAHA

Dependent vowel signs

0B3E	◌̆	ORIYA VOWEL SIGN AA
0B3F	◌̇	ORIYA VOWEL SIGN I
0B40	◌̈	ORIYA VOWEL SIGN II
0B41	◌̉	ORIYA VOWEL SIGN U
0B42	◌̊	ORIYA VOWEL SIGN UU
0B43	◌̋	ORIYA VOWEL SIGN VOCALIC R
0B44	◌̌	ORIYA VOWEL SIGN VOCALIC RR
0B45	◌̅	<reserved>
0B46	◌̆	<reserved>
0B47	◌̇	ORIYA VOWEL SIGN E
		• stands to the left of the consonant
0B48	◌̈	ORIYA VOWEL SIGN AI
		• pieces left of and above the consonant
		≡ 0B47 ◌̇ ◌̈ ◌̉ ◌̊ ◌̋ ◌̌

Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

0B4B	◌̆	ORIYA VOWEL SIGN O
		≡ 0B47 ◌̇ ◌̈ ◌̉ ◌̊ ◌̋ ◌̌
0B4C	◌̇	ORIYA VOWEL SIGN AU
		≡ 0B47 ◌̈ ◌̉ ◌̊ ◌̋ ◌̌

Virama

0B4D ୠ ORIYA SIGN VIRAMA

Various signs

0B56	◌̅	ORIYA AI LENGTH MARK
0B57	◌̆	ORIYA AU LENGTH MARK

Additional consonants

0B5C	ୢ	ORIYA LETTER RRA
		= dda
		≡ 0B21 ଡ 0B3C ୠ
0B5D	ୣ	ORIYA LETTER RHA
		= ddha
		≡ 0B22 ଢ 0B3C ୠ
0B5E	◌̅	<reserved>
0B5F	୤	ORIYA LETTER YYA
		= ya

Additional vowels for Sanskrit

0B60	ୠ	ORIYA LETTER VOCALIC RR
0B61	ୡ	ORIYA LETTER VOCALIC LL

Dependent vowels

0B62	◌̆	ORIYA VOWEL SIGN VOCALIC L
0B63	◌̇	ORIYA VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

0B64	◌̅	<reserved>
		→ 0964 I devanagari danda
0B65	◌̆	<reserved>
		→ 0965 II devanagari double danda

Digits

0B66 ୦ ORIYA DIGIT ZERO

0B67	୧	ORIYA DIGIT ONE
0B68	୨	ORIYA DIGIT TWO
0B69	୩	ORIYA DIGIT THREE
0B6A	୪	ORIYA DIGIT FOUR
0B6B	୫	ORIYA DIGIT FIVE
0B6C	୬	ORIYA DIGIT SIX
0B6D	୭	ORIYA DIGIT SEVEN
0B6E	୮	ORIYA DIGIT EIGHT
0B6F	୯	ORIYA DIGIT NINE

Oriya-specific additions

0B70	✓	ORIYA ISSHAR
0B71	ୱ	ORIYA LETTER WA
		→ 0B13 ୱ oriya letter o
		→ 0B35 ୱ oriya letter va

Fraction signs

0B72	ୱ	ORIYA FRACTION ONE QUARTER
0B73	ୱ	ORIYA FRACTION ONE HALF
0B74	ୱ	ORIYA FRACTION THREE QUARTERS
0B75	ୱ	ORIYA FRACTION ONE SIXTEENTH
0B76	ୱ	ORIYA FRACTION ONE EIGHTH
0B77	ୱ	ORIYA FRACTION THREE SIXTEENTHS

	0B8	0B9	0BA	0BB	0BC	0BD	0BE	0BF
0		ஐ 0B90		ர 0BB0	ீ 0BC0	ஔ 0BD0		ய 0BF0
1				ற 0BB1	ு 0BC1			ா 0BF1
2	ஃ 0B82	ஐ 0B92		ல 0BB2	ூ 0BC2			சு 0BF2
3	ஃ 0B83	ஐ 0B93	ண 0BA3	ள 0BB3				உ 0BF3
4		ஐ 0B94	த 0BA4	ழ 0BB4				மீ 0BF4
5	அ 0B85	க 0B95		வ 0BB5				ஶ 0BF5
6	ஆ 0B86			ஸ 0BB6	ெ 0BC6		ஐ 0BE6	யு 0BF6
7	இ 0B87			ஷ 0BB7	ே 0BC7	ள 0BD7	க 0BE7	ஶ 0BF7
8	ஈ 0B88		ந 0BA8	ஸ 0BB8	ை 0BC8		உ 0BE8	ஷ 0BF8
9	உ 0B89	ங 0B99	ன 0BA9	ஹ 0BB9			ந 0BE9	ஶ 0BF9
A	ஊ 0B8A	ச 0B9A	ப 0BAA		ொ 0BCA		சு 0BEA	நீ 0BFA
B					ோ 0BCB		ரு 0BEB	
C		ஐ 0B9C			ெள 0BCC		சு 0BEC	
D					ஃ 0BCD		எ 0BED	
E	எ 0B8E	ஞ 0B9E	ம 0BAE	ா 0BBE			அ 0BEE	
F	ஏ 0B8F	ட 0B9F	ய 0BAF	ி 0BBF			சு 0BEF	

Various signs

- 0B82 ◌̇ TAMIL SIGN ANUSVARA
• not used in Tamil
- 0B83 ◌̣ TAMIL SIGN VISARGA
= aytham

Independent vowels

- 0B85 அ TAMIL LETTER A
- 0B86 ஆ TAMIL LETTER AA
- 0B87 இ TAMIL LETTER I
- 0B88 ஈ TAMIL LETTER II
- 0B89 உ TAMIL LETTER U
- 0B8A ஊ TAMIL LETTER UU
- 0B8B ◌̍ <reserved>
- 0B8C ◌̎ <reserved>
- 0B8D ◌̏ <reserved>
- 0B8E எ TAMIL LETTER E
- 0B8F ஏ TAMIL LETTER EE
- 0B90 ஐ TAMIL LETTER AI
- 0B91 ◌̑ <reserved>
- 0B92 ஒ TAMIL LETTER O
- 0B93 ஔ TAMIL LETTER OO
- 0B94 ஔ TAMIL LETTER AU
≡ 0B92 ஔ 0BD7 ஔ

Consonants

- 0B95 க TAMIL LETTER KA
- 0B96 ◌̌ <reserved>
- 0B97 ◌̍ <reserved>
- 0B98 ◌̎ <reserved>
- 0B99 ங TAMIL LETTER NGA
- 0B9A ச TAMIL LETTER CA
- 0B9B ◌̏ <reserved>
- 0B9C ஞ TAMIL LETTER JA
- 0B9D ◌̑ <reserved>
- 0B9E ஞ TAMIL LETTER NYA
- 0B9F ட TAMIL LETTER TTA
- 0BA0 ◌̑ <reserved>
- 0BA1 ◌̑ <reserved>
- 0BA2 ◌̑ <reserved>
- 0BA3 ண TAMIL LETTER NNA
- 0BA4 த TAMIL LETTER TA
- 0BA5 ◌̑ <reserved>
- 0BA6 ◌̑ <reserved>
- 0BA7 ◌̑ <reserved>
- 0BA8 ட TAMIL LETTER NA
- 0BA9 ண TAMIL LETTER NNA
- 0BAA ப TAMIL LETTER PA
- 0BAB ◌̑ <reserved>
- 0BAC ◌̑ <reserved>
- 0BAD ◌̑ <reserved>
- 0BAE ம TAMIL LETTER MA
- 0BAF ய TAMIL LETTER YA
- 0BB0 ர TAMIL LETTER RA
- 0BB1 ற TAMIL LETTER RRA
- 0BB2 ல TAMIL LETTER LA
- 0BB3 ள TAMIL LETTER LLA
- 0BB4 ழ TAMIL LETTER LLLA
- 0BB5 வ TAMIL LETTER VA
- 0BB6 ஶ TAMIL LETTER SHA
- 0BB7 ஷ TAMIL LETTER SSA
- 0BB8 ஸ TAMIL LETTER SA
- 0BB9 ஹ TAMIL LETTER HA

Dependent vowel signs

- 0BBE ா TAMIL VOWEL SIGN AA
- 0BBF ி TAMIL VOWEL SIGN I
- 0BC0 ீ TAMIL VOWEL SIGN II
- 0BC1 ு TAMIL VOWEL SIGN U
- 0BC2 ூ TAMIL VOWEL SIGN UU
- 0BC3 ◌̑ <reserved>
- 0BC4 ◌̑ <reserved>
- 0BC5 ◌̑ <reserved>
- 0BC6 ெ TAMIL VOWEL SIGN E
• stands to the left of the consonant
- 0BC7 ே TAMIL VOWEL SIGN EE
• stands to the left of the consonant
- 0BC8 ை TAMIL VOWEL SIGN AI
• stands to the left of the consonant

Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

- 0BCA ொ TAMIL VOWEL SIGN O
≡ 0BC6 ெ ொ 0BBE ா
- 0BCB ோ TAMIL VOWEL SIGN OO
≡ 0BC7 ே ோ 0BBE ா
- 0BCC ௌ TAMIL VOWEL SIGN AU
≡ 0BC6 ெ ௌ 0BD7 ௌ

Virama

- 0BCD ஃ TAMIL SIGN VIRAMA

Various signs

- 0BD0 ஔ TAMIL OM
- 0BD1 ◌̑ <reserved>
- 0BD2 ◌̑ <reserved>
- 0BD3 ◌̑ <reserved>
- 0BD4 ◌̑ <reserved>
- 0BD5 ◌̑ <reserved>
- 0BD6 ◌̑ <reserved>
- 0BD7 ஔ TAMIL AU LENGTH MARK

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

- 0BE4 ◌̑ <reserved>
→ 0964 | devanagari danda
- 0BE5 ◌̑ <reserved>
→ 0965 || devanagari double danda

Digits

- 0BE6 ௦ TAMIL DIGIT ZERO
- 0BE7 ௧ TAMIL DIGIT ONE
- 0BE8 ௨ TAMIL DIGIT TWO
- 0BE9 ௩ TAMIL DIGIT THREE
- 0BEA ௪ TAMIL DIGIT FOUR
- 0BEB ௫ TAMIL DIGIT FIVE
- 0BEC ௬ TAMIL DIGIT SIX
- 0BED ௭ TAMIL DIGIT SEVEN
- 0BEE ௮ TAMIL DIGIT EIGHT
- 0BEF ௯ TAMIL DIGIT NINE

Tamil numerics

- 0BF0 ௧௦ TAMIL NUMBER TEN
- 0BF1 ௧௦௦ TAMIL NUMBER ONE HUNDRED
- 0BF2 ௧௦௦௦ TAMIL NUMBER ONE THOUSAND

Tamil symbols

- 0BF3 உ TAMIL DAY SIGN
= naal
- 0BF4 மீ TAMIL MONTH SIGN
= maatham
- 0BF5 வருடம் TAMIL YEAR SIGN
= varudam
- 0BF6 யு TAMIL DEBIT SIGN
= patru
- 0BF7 எவ TAMIL CREDIT SIGN
= varavu
- 0BF8 மெய்யு TAMIL AS ABOVE SIGN
= merpadi

Currency symbol

- 0BF9 ரூ TAMIL RUPEE SIGN
= rupai

Tamil symbol

- 0BFA ன் TAMIL NUMBER SIGN
= enn

	0C0	0C1	0C2	0C3	0C4	0C5	0C6	0C7
0		బి 0C10	ర 0C20	ర 0C30	్రి 0C40		బూ 0C60	
1	ి 0C01		డ 0C21	ఱ 0C31	్రి 0C41		బూ 0C61	
2	ి 0C02	బి 0C12	డ 0C22	ల 0C32	్రి 0C42		బూ 0C62	
3	ి 0C03	బి 0C13	ఱ 0C23	ళ 0C33	్రి 0C43		బూ 0C63	
4		బి 0C14	ఱ 0C24		్రి 0C44			
5	ఱ 0C05	ల 0C15	ళ 0C25	ల 0C35		్రి 0C55		
6	ఱ 0C06	ళ 0C16	ల 0C26	ళ 0C36	్రి 0C46	్రి 0C56	ం 0C66	
7	ళ 0C07	ల 0C17	ళ 0C27	ల 0C37	్రి 0C47		ం 0C67	
8	ళ 0C08	ల 0C18	ల 0C28	ల 0C38	్రి 0C48	ల 0C58	ం 0C68	ం 0C78
9	ళ 0C09	ల 0C19		ళ 0C39		ల 0C59	ం 0C69	ం 0C79
A	ళ 0C0A	ల 0C1A	ల 0C2A		్రి 0C4A		ం 0C6A	ం 0C7A
B	బి 0C0B	ల 0C1B	ల 0C2B		్రి 0C4B		ం 0C6B	ం 0C7B
C	ల 0C0C	ల 0C1C	ల 0C2C		్రి 0C4C		ం 0C6C	ం 0C7C
D		ల 0C1D	ల 0C2D	ల 0C3D	్రి 0C4D		ం 0C6D	ం 0C7D
E	ల 0C0E	ల 0C1E	ల 0C2E	్రి 0C3E			ం 0C6E	ం 0C7E
F	ల 0C0F	ల 0C1F	ల 0C2F	్రి 0C3F			ం 0C6F	ం 0C7F

Various signs

0C01	◌ఁ	TELUGU SIGN CANDRABINDU = arasunna
0C02	◌◌	TELUGU SIGN ANUSVARA = sunna
0C03	◌ః	TELUGU SIGN VISARGA

Independent vowels

0C05	అ	TELUGU LETTER A
0C06	ఆ	TELUGU LETTER AA
0C07	ఇ	TELUGU LETTER I
0C08	ఈ	TELUGU LETTER II
0C09	ఊ	TELUGU LETTER U
0C0A	ఋ	TELUGU LETTER UU
0C0B	ఋ	TELUGU LETTER VOCALIC R
0C0C	ౠ	TELUGU LETTER VOCALIC L
0C0D	◌	<reserved>
0C0E	ఎ	TELUGU LETTER E
0C0F	ఐ	TELUGU LETTER EE
0C10	ఔ	TELUGU LETTER AI
0C11	◌	<reserved>
0C12	ఒ	TELUGU LETTER O
0C13	ఓ	TELUGU LETTER OO
0C14	ఔ	TELUGU LETTER AU

Consonants

0C15	క	TELUGU LETTER KA
0C16	ఖ	TELUGU LETTER KHA
0C17	గ	TELUGU LETTER GA
0C18	ఘ	TELUGU LETTER GHA
0C19	ఙ	TELUGU LETTER NGA
0C1A	చ	TELUGU LETTER CA
0C1B	ఛ	TELUGU LETTER CHA
0C1C	జ	TELUGU LETTER JA
0C1D	ఝ	TELUGU LETTER JHA
0C1E	ఞ	TELUGU LETTER NYA
0C1F	ట	TELUGU LETTER TTA
0C20	ఠ	TELUGU LETTER TTHA
0C21	డ	TELUGU LETTER DDA
0C22	ఢ	TELUGU LETTER DDHA
0C23	ణ	TELUGU LETTER NNA
0C24	త	TELUGU LETTER TA
0C25	థ	TELUGU LETTER THA
0C26	ద	TELUGU LETTER DA
0C27	ధ	TELUGU LETTER DHA
0C28	న	TELUGU LETTER NA
0C29	◌	<reserved>
0C2A	ప	TELUGU LETTER PA
0C2B	ఫ	TELUGU LETTER PHA
0C2C	బ	TELUGU LETTER BA
0C2D	భ	TELUGU LETTER BHA
0C2E	మ	TELUGU LETTER MA
0C2F	య	TELUGU LETTER YA
0C30	ర	TELUGU LETTER RA
0C31	ఱ	TELUGU LETTER RRA
0C32	ల	TELUGU LETTER LA
0C33	ళ	TELUGU LETTER LLA
0C34	◌	<reserved>
0C35	శ	TELUGU LETTER VA
0C36	ష	TELUGU LETTER SHA
0C37	స	TELUGU LETTER SSA
0C38	హ	TELUGU LETTER SA
0C39	ఘ	TELUGU LETTER HA

Addition for Sanskrit

0C3D	ॐ	TELUGU SIGN AVAGRAHA
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Dependent vowel signs

0C3E	◌ః	TELUGU VOWEL SIGN AA
0C3F	◌ః	TELUGU VOWEL SIGN I
0C40	◌ః	TELUGU VOWEL SIGN II
0C41	◌ః	TELUGU VOWEL SIGN U
0C42	◌ః	TELUGU VOWEL SIGN UU
0C43	◌ః	TELUGU VOWEL SIGN VOCALIC R
0C44	◌ః	TELUGU VOWEL SIGN VOCALIC RR
0C45	◌	<reserved>
0C46	◌ః	TELUGU VOWEL SIGN E
0C47	◌ః	TELUGU VOWEL SIGN EE
0C48	◌ః	TELUGU VOWEL SIGN AI ≡ 0C46 ◌ః 0C56 ◌ః
0C49	◌	<reserved>
0C4A	◌ః	TELUGU VOWEL SIGN O
0C4B	◌ః	TELUGU VOWEL SIGN OO
0C4C	◌ః	TELUGU VOWEL SIGN AU

Virama

0C4D	◌	TELUGU SIGN VIRAMA = halant (the preferred name)
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Various signs

0C55	◌	TELUGU LENGTH MARK
0C56	◌	TELUGU AI LENGTH MARK

Historic phonetic variants

0C58	ఠ	TELUGU LETTER TSA
0C59	ఢ	TELUGU LETTER DZA

Additional vowels for Sanskrit

0C60	ఋ	TELUGU LETTER VOCALIC RR
0C61	ౠ	TELUGU LETTER VOCALIC LL

Dependent vowels

0C62	◌ః	TELUGU VOWEL SIGN VOCALIC L
0C63	◌ః	TELUGU VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

0C64	◌	<reserved> → 0964 I devanagari danda
0C65	◌	<reserved> → 0965 II devanagari double danda

Digits

0C66	౦	TELUGU DIGIT ZERO
0C67	౧	TELUGU DIGIT ONE
0C68	౨	TELUGU DIGIT TWO
0C69	౩	TELUGU DIGIT THREE
0C6A	౪	TELUGU DIGIT FOUR
0C6B	౫	TELUGU DIGIT FIVE
0C6C	౬	TELUGU DIGIT SIX
0C6D	౭	TELUGU DIGIT SEVEN
0C6E	౮	TELUGU DIGIT EIGHT
0C6F	౯	TELUGU DIGIT NINE

Telugu fractions and weights

0C78	౧	TELUGU FRACTION DIGIT ZERO FOR ODD POWERS OF FOUR
0C79	౧	TELUGU FRACTION DIGIT ONE FOR ODD POWERS OF FOUR
0C7A	౨	TELUGU FRACTION DIGIT TWO FOR ODD POWERS OF FOUR

- 0C7B ఁ TELUGU FRACTION DIGIT THREE FOR ODD
POWERS OF FOUR
- 0C7C – TELUGU FRACTION DIGIT ONE FOR EVEN
POWERS OF FOUR
- 0C7D ం TELUGU FRACTION DIGIT TWO FOR EVEN
POWERS OF FOUR
- 0C7E ః TELUGU FRACTION DIGIT THREE FOR EVEN
POWERS OF FOUR
- 0C7F ఄ TELUGU SIGN TUUMU

	0C8	0C9	0CA	0CB	0CC	0CD	0CE	0CF
0		ಐ 0C90	ಊ 0CA0	ಋ 0CB0	ೠ 0CC0		ಬಾ 0CE0	
1			ಋ 0CA1	ೠ 0CB1	ಌ 0CC1		ಬ್ಯ 0CE1	ಞ 0CF1
2	ಌ 0C82	಍ 0C92	ಋ 0CA2	ೠ 0CB2	ಌ 0CC2		ಋ 0CE2	ಠ 0CF2
3	ಌ 0C83	಍ 0C93	ಋ 0CA3	ೠ 0CB3	ಌ 0CC3		ಋ 0CE3	
4		ಐ 0C94	ಊ 0CA4		ಌ 0CC4			
5	ಊ 0C85	ಋ 0C95	ಋ 0CA5	ೠ 0CB5		ಌ 0CD5		
6	ಊ 0C86	ಋ 0C96	ಋ 0CA6	ೠ 0CB6	ಌ 0CC6	ಌ 0CD6	ಠ 0CE6	
7	ಋ 0C87	ಋ 0C97	ಋ 0CA7	ೠ 0CB7	ಌ 0CC7		ಠ 0CE7	
8	ಋ 0C88	ಋ 0C98	ಋ 0CA8	ೠ 0CB8	ಌ 0CC8		ಠ 0CE8	
9	ಠ 0C89	ಠ 0C99		ಠ 0CB9			ಠ 0CE9	
A	ಠ 0C8A	ಠ 0C9A	ಠ 0CAA		ಠ 0CCA		ಠ 0CEA	
B	ಠ 0C8B	ಠ 0C9B	ಠ 0CAB		ಠ 0CCB		ಠ 0CEB	
C	ಠ 0C8C	ಠ 0C9C	ಠ 0CAC	ಠ 0CBC	ಠ 0CCC		ಠ 0CEC	
D		ಠ 0C9D	ಠ 0CAD	ಠ 0CBD	ಠ 0CCD		ಠ 0CED	
E	ಠ 0C8E	ಠ 0C9E	ಠ 0CAE	ಠ 0CBE		ಠ 0CDE	ಠ 0CEE	
F	ಠ 0C8F	ಠ 0C9F	ಠ 0CAF	ಠ 0CBF			ಠ 0CEF	

Various signs

0C82	◌◌	KANNADA SIGN ANUSVARA
0C83	◌ಃ	KANNADA SIGN VISARGA

Independent vowels

0C85	ಅ	KANNADA LETTER A
0C86	ಆ	KANNADA LETTER AA
0C87	ಇ	KANNADA LETTER I
0C88	ಈ	KANNADA LETTER II
0C89	ಉ	KANNADA LETTER U
0C8A	ಊ	KANNADA LETTER UU
0C8B	ಋ	KANNADA LETTER VOCALIC R
0C8C	ೠ	KANNADA LETTER VOCALIC L
0C8D	◌	<reserved>
0C8E	ಏ	KANNADA LETTER E
0C8F	ಐ	KANNADA LETTER EE
0C90	ಒ	KANNADA LETTER AI
0C91	◌	<reserved>
0C92	ಋ	KANNADA LETTER O
0C93	ೠ	KANNADA LETTER OO
0C94	ಌ	KANNADA LETTER AU

Consonants

0C95	ಕ	KANNADA LETTER KA
0C96	ಖ	KANNADA LETTER KHA
0C97	ಗ	KANNADA LETTER GA
0C98	ಘ	KANNADA LETTER GHA
0C99	ಙ	KANNADA LETTER NGA
0C9A	ಚ	KANNADA LETTER CA
0C9B	ಛ	KANNADA LETTER CHA
0C9C	ಜ	KANNADA LETTER JA
0C9D	ಝ	KANNADA LETTER JHA
0C9E	ಞ	KANNADA LETTER NYA
0C9F	ಟ	KANNADA LETTER TTA
0CA0	ಠ	KANNADA LETTER TTHA
0CA1	ಡ	KANNADA LETTER DDA
0CA2	ಢ	KANNADA LETTER DDHA
0CA3	ನ	KANNADA LETTER NNA
0CA4	ತ	KANNADA LETTER TA
0CA5	ಥ	KANNADA LETTER THA
0CA6	ದ	KANNADA LETTER DA
0CA7	ಧ	KANNADA LETTER DHA
0CA8	ನ	KANNADA LETTER NA
0CA9	◌	<reserved>
0CAA	ಪ	KANNADA LETTER PA
0CAB	ಫ	KANNADA LETTER PHA
0CAC	ಬ	KANNADA LETTER BA
0CAD	ಭ	KANNADA LETTER BHA
0CAE	ಮ	KANNADA LETTER MA
0CAF	ಯ	KANNADA LETTER YA
0CB0	ರ	KANNADA LETTER RA
0CB1	ಠ	KANNADA LETTER RRA
0CB2	ಲ	KANNADA LETTER LA
0CB3	ಲ	KANNADA LETTER LLA
0CB4	◌	<reserved>
0CB5	ವ	KANNADA LETTER VA
0CB6	ಶ	KANNADA LETTER SHA
0CB7	ಷ	KANNADA LETTER SSA
0CB8	ಸ	KANNADA LETTER SA
0CB9	ಹ	KANNADA LETTER HA

Various signs

0CBC	◌◌	KANNADA SIGN NUKTA
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0CBD	ಽ	KANNADA SIGN AVAGRAHA
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Dependent vowel signs

0CBE	ಠ	KANNADA VOWEL SIGN AA
0CBF	ಠ	KANNADA VOWEL SIGN I
0CC0	ಠ	KANNADA VOWEL SIGN II
		≡ 0CBF ಠ 0CD5 ಠ
0CC1	ಠ	KANNADA VOWEL SIGN U
0CC2	ಠ	KANNADA VOWEL SIGN UU
0CC3	ಠ	KANNADA VOWEL SIGN VOCALIC R
0CC4	ಠ	KANNADA VOWEL SIGN VOCALIC RR
0CC5	◌	<reserved>
0CC6	ಠ	KANNADA VOWEL SIGN E
0CC7	ಠ	KANNADA VOWEL SIGN EE
		≡ 0CC6 ಠ 0CD5 ಠ
0CC8	ಠ	KANNADA VOWEL SIGN AI
		≡ 0CC6 ಠ 0CD6 ಠ
0CC9	◌	<reserved>
0CCA	ಠ	KANNADA VOWEL SIGN O
		≡ 0CC6 ಠ 0CC2 ಠ
0CCB	ಠ	KANNADA VOWEL SIGN OO
		≡ 0CCA ಠ 0CD5 ಠ
0CCC	ಠ	KANNADA VOWEL SIGN AU

Virama

0CCD	ಠ	KANNADA SIGN VIRAMA
		• preferred name is halant

Various signs

0CD5	ಠ	KANNADA LENGTH MARK
0CD6	ಠ	KANNADA AI LENGTH MARK

Additional consonants

0CDE	ಠ	KANNADA LETTER FA
		× KANNADA LETTER LLLA
		• obsolete historic letter
		• name is a mistake for LLLA

Additional vowels for Sanskrit

0CE0	ಠ	KANNADA LETTER VOCALIC RR
0CE1	ಠ	KANNADA LETTER VOCALIC LL

Dependent vowels

0CE2	ಠ	KANNADA VOWEL SIGN VOCALIC L
0CE3	ಠ	KANNADA VOWEL SIGN VOCALIC LL

Reserved

For viram punctuation, use the generic Indic 0964 and 0965.

0CE4	◌	<reserved>
		→ 0964 I devanagari danda
0CE5	◌	<reserved>
		→ 0965 II devanagari double danda

Digits

0CE6	೦	KANNADA DIGIT ZERO
0CE7	೧	KANNADA DIGIT ONE
0CE8	೨	KANNADA DIGIT TWO
0CE9	೩	KANNADA DIGIT THREE
0CEA	೪	KANNADA DIGIT FOUR
0CEB	೫	KANNADA DIGIT FIVE
0CEC	೬	KANNADA DIGIT SIX
0CED	೭	KANNADA DIGIT SEVEN
0CEE	೮	KANNADA DIGIT EIGHT
0CEF	೯	KANNADA DIGIT NINE

Signs used in Sanskrit

- 0CF1 ∂ KANNADA SIGN JIHVAMULIYA
- marks a velar fricative occurring only before unvoiced velar stops
 - 0F88 ʘ tibetan sign lce tsa can
- 0CF2 ∞ KANNADA SIGN UPADHMANIYA
- marks a bilabial fricative occurring only before unvoiced labial stops
 - 0F89 ʘ tibetan sign mchu can
 - 1CF2 ʘ vedic sign ardhavisarga

	0D0	0D1	0D2	0D3	0D4	0D5	0D6	0D7
0		എ 0D10	ഠ 0D20	ര 0D30	ീ 0D40		ഈ 0D60	ധ 0D70
1			ഡ 0D21	റ 0D31	ൂ 0D41		ഞ 0D61	ന 0D71
2	ഃ 0D02	ക 0D12	ഡ 0D22	ല 0D32	ൂ 0D42		ൺ 0D62	ൺ 0D72
3	ഃ 0D03	കാ 0D13	ണ 0D23	ള 0D33	്യ 0D43		ൺ 0D63	ൺ 0D73
4		ൗ 0D14	ത 0D24	ഴ 0D34	്യ 0D44			ൽ 0D74
5	ഭ 0D05	ക 0D15	ഥ 0D25	വ 0D35				ൺ 0D75
6	ആ 0D06	വ 0D16	ഭ 0D26	ശ 0D36	െ 0D46		ഠ 0D66	
7	ഇ 0D07	ഗ 0D17	ധ 0D27	ഷ 0D37	േ 0D47	ൂ 0D57	ഥ 0D67	
8	ഈ 0D08	ഘ 0D18	ന 0D28	സ 0D38	ൈ 0D48		ര 0D68	
9	ഉ 0D09	ഭ 0D19	ണ 0D29	ഘ 0D39			ന 0D69	ൺ 0D79
A	ഈ 0D0A	ഘ 0D1A	വ 0D2A	പി 0D3A	ൊ 0D4A		ര 0D6A	ൺ 0D7A
B	ഈ 0D0B	ഘ 0D1B	ഘ 0D2B		ഓ 0D4B		ര 0D6B	ൺ 0D7B
C	ൺ 0D0C	ഈ 0D1C	ണ 0D2C		ൗ 0D4C		ന 0D6C	ര 0D7C
D		ഡ 0D1D	ഭ 0D2D	ഴ 0D3D	ൂ 0D4D		ഞ 0D6D	ൽ 0D7D
E	എ 0D0E	ണ 0D1E	മ 0D2E	ാ 0D3E	ാ 0D4E		വ 0D6E	ൾ 0D7E
F	എ 0D0F	ട 0D1F	യ 0D2F	ി 0D3F			ൺ 0D6F	ക 0D7F

Various signs

0D02	ഠ	MALAYALAM SIGN ANUSVARA
0D03	ഡ	MALAYALAM SIGN VISARGA

Independent vowels

0D05	അ	MALAYALAM LETTER A
0D06	ആ	MALAYALAM LETTER AA
0D07	ഇ	MALAYALAM LETTER I
0D08	ഈ	MALAYALAM LETTER II
0D09	ഉ	MALAYALAM LETTER U
0D0A	ഊ	MALAYALAM LETTER UU
0D0B	ഊ	MALAYALAM LETTER VOCALIC R
0D0C	ഊ	MALAYALAM LETTER VOCALIC L
0D0D	☐	<reserved>
0D0E	എ	MALAYALAM LETTER E
0D0F	ഐ	MALAYALAM LETTER EE
0D10	ഐ	MALAYALAM LETTER AI
0D11	☐	<reserved>
0D12	ഓ	MALAYALAM LETTER O
0D13	ഔ	MALAYALAM LETTER OO
0D14	ഔ	MALAYALAM LETTER AU

Consonants

Alternate romanizations are shown as aliases for some letters to clarify their identity.

0D15	ക	MALAYALAM LETTER KA
0D16	ഖ	MALAYALAM LETTER KHA
0D17	ഗ	MALAYALAM LETTER GA
0D18	ഘ	MALAYALAM LETTER GHA
0D19	ങ	MALAYALAM LETTER NGA
0D1A	ച	MALAYALAM LETTER CA = cha
0D1B	ഛ	MALAYALAM LETTER CHA = chha
0D1C	ജ	MALAYALAM LETTER JA
0D1D	ഝ	MALAYALAM LETTER JHA
0D1E	ഞ	MALAYALAM LETTER NYA = nha
0D1F	ട	MALAYALAM LETTER TTA = ta
0D20	ഠ	MALAYALAM LETTER TTHA = ttha
0D21	ഡ	MALAYALAM LETTER DDA = hard da
0D22	ഢ	MALAYALAM LETTER DDHA = hard dda
0D23	ണ	MALAYALAM LETTER NNA = hard na
0D24	ത	MALAYALAM LETTER TA = tha
0D25	ഥ	MALAYALAM LETTER THA = ttha
0D26	ദ	MALAYALAM LETTER DA = soft da
0D27	ഢ	MALAYALAM LETTER DHA = soft dda
0D28	ന	MALAYALAM LETTER NA
0D29	ണ	MALAYALAM LETTER NNNA • historic use only
0D2A	പ	MALAYALAM LETTER PA
0D2B	ഫ	MALAYALAM LETTER PHA
0D2C	ബ	MALAYALAM LETTER BA
0D2D	ഭ	MALAYALAM LETTER BHA

0D2E	മ	MALAYALAM LETTER MA
0D2F	യ	MALAYALAM LETTER YA
0D30	ര	MALAYALAM LETTER RA
0D31	റ	MALAYALAM LETTER RRA
0D32	ല	MALAYALAM LETTER LA
0D33	ള	MALAYALAM LETTER LLA
0D34	ഴ	MALAYALAM LETTER LLLA = zha
0D35	വ	MALAYALAM LETTER VA
0D36	ശ	MALAYALAM LETTER SHA = soft sha
0D37	ഷ	MALAYALAM LETTER SSA = sha
0D38	സ	MALAYALAM LETTER SA
0D39	ഹ	MALAYALAM LETTER HA
0D3A	ഠ	MALAYALAM LETTER TTTA • historic use only

Addition for Sanskrit

0D3D	ഠ	MALAYALAM SIGN AVAGRAHA = praslesham
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Dependent vowel signs

0D3E	ഏ	MALAYALAM VOWEL SIGN AA
0D3F	ഈ	MALAYALAM VOWEL SIGN I
0D40	ഊ	MALAYALAM VOWEL SIGN II
0D41	ഋ	MALAYALAM VOWEL SIGN U
0D42	ൠ	MALAYALAM VOWEL SIGN UU
0D43	ഋ	MALAYALAM VOWEL SIGN VOCALIC R
0D44	ൠ	MALAYALAM VOWEL SIGN VOCALIC RR
0D45	☐	<reserved>
0D46	ഏ	MALAYALAM VOWEL SIGN E • stands to the left of the consonant
0D47	ഐ	MALAYALAM VOWEL SIGN EE • stands to the left of the consonant
0D48	ഐ	MALAYALAM VOWEL SIGN AI • stands to the left of the consonant

Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

0D4A	ഏ	MALAYALAM VOWEL SIGN O ≡ 0D46 ഏ 0D3E ഏ
0D4B	ഐ	MALAYALAM VOWEL SIGN OO ≡ 0D47 ഐ 0D3E ഏ
0D4C	ഔ	MALAYALAM VOWEL SIGN AU • archaic form of the /au/ dependent vowel → 0D57 ഔ malayalam au length mark ≡ 0D46 ഏ 0D57 ഔ

Virama

0D4D	ഠ	MALAYALAM SIGN VIRAMA = chandrakkala (the preferred name) = vowel half-u
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Dot reph

0D4E	☐	MALAYALAM LETTER DOT REPH • not used in reformed modern Malayalam orthography
------	---	--

Various signs

0D57	ഔ	MALAYALAM AU LENGTH MARK • used alone to write the /au/ dependent vowel in modern texts → 0D4C ഔ malayalam vowel sign au
------	---	--

Additional vowels for Sanskrit


0D60 ള MALAYALAM LETTER VOCALIC RR

0D61 ഴ MALAYALAM LETTER VOCALIC LL


Dependent vowels

0D62 റ̣ MALAYALAM VOWEL SIGN VOCALIC L

0D63 റ̣̣ MALAYALAM VOWEL SIGN VOCALIC LL

Reserved*For viram punctuation, use the generic Indic 0964 and 0965.*0D64  <reserved>

→ 0964 I devanagari danda

0D65  <reserved>

→ 0965 II devanagari double danda

Digits

0D66 ൦ MALAYALAM DIGIT ZERO

0D67 ൧ MALAYALAM DIGIT ONE

0D68 ൨ MALAYALAM DIGIT TWO

0D69 ൩ MALAYALAM DIGIT THREE

0D6A ൪ MALAYALAM DIGIT FOUR

0D6B ൫ MALAYALAM DIGIT FIVE

0D6C ൬ MALAYALAM DIGIT SIX

0D6D ൭ MALAYALAM DIGIT SEVEN

0D6E ൮ MALAYALAM DIGIT EIGHT

0D6F ൯ MALAYALAM DIGIT NINE

Malayalam numerics

0D70 ൧൦ MALAYALAM NUMBER TEN

0D71 ൧൦൦ MALAYALAM NUMBER ONE HUNDRED

0D72 ൧൦൦൦ MALAYALAM NUMBER ONE THOUSAND

Fractions

0D73 ൧൪ MALAYALAM FRACTION ONE QUARTER

0D74 ൧൨ MALAYALAM FRACTION ONE HALF

0D75 ൩൪ MALAYALAM FRACTION THREE QUARTERS

Date mark

0D79 ൩൪ MALAYALAM DATE MARK

Chillu letters

0D7A റ̣ MALAYALAM LETTER CHILLU NN

0D7B റ̣ MALAYALAM LETTER CHILLU N

0D7C റ̣ MALAYALAM LETTER CHILLU RR

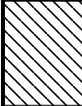


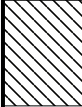

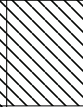





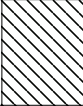





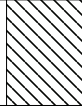







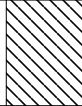





















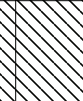
- historically derived from the full letter ra
- also used for chillu r

0D7D റ̣ MALAYALAM LETTER CHILLU L

- historically derived from the full letter ta
- used for chillu t and chillu d

0D7E റ̣ MALAYALAM LETTER CHILLU LL

0D7F റ̣ MALAYALAM LETTER CHILLU K

	0D8	0D9	0DA	0DB	0DC	0DD	0DE	0DF
0		භ්‍ර 0D90	ච 0DA0	ධ 0DB0	ඵ 0DC0	ඹ 0DD0		
1		ඵ 0D91	ඡ 0DA1	ඣ 0DB1	ඤ 0DC1	ඹ 0DD1		
2	ඹ 0D82	ඵ 0D92	ඡ 0DA2		ඡ 0DC2	ඹ 0DD2		ඹ 0DF2
3	ඹ 0D83	ඵ 0D93	ඡ 0DA3	ඣ 0DB3	ඤ 0DC3	ඹ 0DD3		ඹ 0DF3
4		ඵ 0D94	ඡ 0DA4	ඣ 0DB4	ඤ 0DC4	ඹ 0DD4		ඹ 0DF4
5	ඵ 0D85	ඵ 0D95	ඡ 0DA5	ඣ 0DB5	ඤ 0DC5			
6	ඵ 0D86	ඵ 0D96	ඡ 0DA6	ඣ 0DB6	ඤ 0DC6	ඹ 0DD6		
7	ඵ 0D87		ඣ 0DA7	ඤ 0DB7				
8	ඵ 0D88		ඵ 0DA8	ඹ 0DB8		ඹ 0DD8		
9	ඵ 0D89		ඵ 0DA9	ඹ 0DB9		ඹ 0DD9		
A	ඵ 0D8A	ඡ 0D9A	ඡ 0DAA	ඣ 0DBA	ඤ 0DCA	ඹ 0DDA		
B	ඵ 0D8B	ඡ 0D9B	ඡ 0DAB	ඣ 0DBB		ඹ 0ddb		
C	ඵ 0D8C	ඡ 0D9C	ඡ 0DAC			ඹ 0ddc		
D	ඹ 0D8D	ඡ 0D9D	ඡ 0DAD	ඣ 0DBD		ඹ 0ddd		
E	ඹ 0D8E	ඡ 0D9E	ඡ 0DAE			ඹ 0dde		
F	ඵ 0D8F	ඡ 0D9F	ඡ 0DAF		ඹ 0dcf	ඹ 0ddf		

Various signs

0D82 ෧෧ SINHALA SIGN ANUSVARAYA
= anusvara

0D83 ෧෧ SINHALA SIGN VISARGAYA
= visarga

Independent vowels

0D85 අ SINHALA LETTER AYANNA
= sinhala letter a

0D86 ආ SINHALA LETTER AAYANNA
= sinhala letter aa

0D87 ඇ SINHALA LETTER AEYANNA
= sinhala letter ae

0D88 ඈ SINHALA LETTER AEEYANNA
= sinhala letter aae

0D89 ඉ SINHALA LETTER IYANNA
= sinhala letter i

0D8A ඊ SINHALA LETTER IYANNA
= sinhala letter ii

0D8B උ SINHALA LETTER UYANNA
= sinhala letter u

0D8C ඌ SINHALA LETTER UUYANNA
= sinhala letter uu

0D8D ඍ SINHALA LETTER IRUYANNA
= sinhala letter vocalic r

0D8E ඎ SINHALA LETTER IRUUYANNA
= sinhala letter vocalic rr

0D8F ඏ SINHALA LETTER ILUYANNA
= sinhala letter vocalic l

0D90 ඐ SINHALA LETTER ILUUYANNA
= sinhala letter vocalic ll

0D91 එ SINHALA LETTER EYANNA
= sinhala letter e

0D92 ඒ SINHALA LETTER EYANNA
= sinhala letter ee

0D93 ඔ SINHALA LETTER AIYANNA
= sinhala letter ai

0D94 ඍ SINHALA LETTER OYANNA
= sinhala letter o

0D95 ඎ SINHALA LETTER OYANNA
= sinhala letter oo

0D96 ඏ SINHALA LETTER AUYANNA
= sinhala letter au

Consonants

0D9A ක SINHALA LETTER ALPAPRAANA KAYANNA
= sinhala letter ka

0D9B ඛ SINHALA LETTER MAHAAPRAANA KAYANNA
= sinhala letter kha

0D9C ග SINHALA LETTER ALPAPRAANA GAYANNA
= sinhala letter ga

0D9D ඝ SINHALA LETTER MAHAAPRAANA GAYANNA
= sinhala letter gha

0D9E ඞ SINHALA LETTER KANTAJA NAASIKYAYA
= sinhala letter nga

0D9F ඟ SINHALA LETTER SANYAKA GAYANNA
= sinhala letter nnga

0DA0 ච SINHALA LETTER ALPAPRAANA CAYANNA
= sinhala letter ca

0DA1 ඡ SINHALA LETTER MAHAAPRAANA CAYANNA
= sinhala letter cha

0DA2 ඣ SINHALA LETTER ALPAPRAANA JAYANNA
= sinhala letter ja

0DA3 ඤ SINHALA LETTER MAHAAPRAANA JAYANNA
= sinhala letter jha

0DA4 ඞ SINHALA LETTER TAALUJA NAASIKYAYA
= sinhala letter nya

0DA5 ඟ SINHALA LETTER TAALUJA SANYOOGA
NAASIKYAYA
= sinhala letter jnya

0DA6 ච SINHALA LETTER SANYAKA JAYANNA
= sinhala letter nyja

0DA7 ඡ SINHALA LETTER ALPAPRAANA TTAYANNA
= sinhala letter tta

0DA8 ඣ SINHALA LETTER MAHAAPRAANA TTAYANNA
= sinhala letter ttha

0DA9 ඤ SINHALA LETTER ALPAPRAANA DDAYANNA
= sinhala letter dda

0DAA ඦ SINHALA LETTER MAHAAPRAANA DDAYANNA
= sinhala letter ddha

0DAB ට SINHALA LETTER MUURDHAJA NAYANNA
= sinhala letter nna

0DAC ඨ SINHALA LETTER SANYAKA DDAYANNA
= sinhala letter nnda

0DAD ඩ SINHALA LETTER ALPAPRAANA TAYANNA
= sinhala letter ta

0DAE ඪ SINHALA LETTER MAHAAPRAANA TAYANNA
= sinhala letter tha

0DAF ණ SINHALA LETTER ALPAPRAANA DAYANNA
= sinhala letter da

0DB0 ඬ SINHALA LETTER MAHAAPRAANA DAYANNA
= sinhala letter dha

0DB1 ත SINHALA LETTER DANTAJA NAYANNA
= sinhala letter na

0DB2 ඣ <reserved>

0DB3 ඥ SINHALA LETTER SANYAKA DAYANNA
= sinhala letter nda

0DB4 ට SINHALA LETTER ALPAPRAANA PAYANNA
= sinhala letter pa

0DB5 ඨ SINHALA LETTER MAHAAPRAANA PAYANNA
= sinhala letter pha

0DB6 ඩ SINHALA LETTER ALPAPRAANA BAYANNA
= sinhala letter ba

0DB7 ඪ SINHALA LETTER MAHAAPRAANA BAYANNA
= sinhala letter bha

0DB8 ණ SINHALA LETTER MAYANNA
= sinhala letter ma

0DB9 ඬ SINHALA LETTER AMBA BAYANNA
= sinhala letter mba

0DBA ද SINHALA LETTER YAYANNA
= sinhala letter ya

0DBB ධ SINHALA LETTER RAYANNA
= sinhala letter ra

0DBC ඣ <reserved>

0DBD ඥ SINHALA LETTER DANTAJA LAYANNA
= sinhala letter la

• dental

0DBE ට <reserved>

0DBF ඨ <reserved>

0DC0 ඩ SINHALA LETTER VAYANNA
= sinhala letter va

0DC1 ඪ SINHALA LETTER TAALUJA SAYANNA
= sinhala letter sha

0DC2 ණ SINHALA LETTER MUURDHAJA SAYANNA
= sinhala letter ssa

• retroflex

0DC3 ඬ SINHALA LETTER DANTAJA SAYANNA
= sinhala letter sa





• dental

- 0DC4 ඩ SINHALA LETTER HAYANNA
= sinhala letter ha
- 0DC5 ට SINHALA LETTER MUURDHAJA LAYANNA
= sinhala letter lla
• retroflex
- 0DC6 ජ SINHALA LETTER FAYANNA
= sinhala letter fa

Sign







- 0DCA ට SINHALA SIGN AL-LAKUNA
= virama

Dependent vowel signs

- 0DCF ට SINHALA VOWEL SIGN AELA-PILLA
= sinhala vowel sign aa
- 0DD0 ට SINHALA VOWEL SIGN KETTI AEDA-PILLA
= sinhala vowel sign ae
- 0DD1 ට SINHALA VOWEL SIGN DIGA AEDA-PILLA
= sinhala vowel sign aae
- 0DD2 ට SINHALA VOWEL SIGN KETTI IS-PILLA
= sinhala vowel sign i
- 0DD3 ට SINHALA VOWEL SIGN DIGA IS-PILLA
= sinhala vowel sign ii
- 0DD4 ට SINHALA VOWEL SIGN KETTI PAA-PILLA
= sinhala vowel sign u
- 0DD5  <reserved>
- 0DD6 ට SINHALA VOWEL SIGN DIGA PAA-PILLA
= sinhala vowel sign uu
- 0DD7  <reserved>
- 0DD8 ට SINHALA VOWEL SIGN GAETTA-PILLA
= sinhala vowel sign vocalic r
- 0DD9 ට SINHALA VOWEL SIGN KOMBUVA
= sinhala vowel sign e
- 0DDA ට SINHALA VOWEL SIGN DIGA KOMBUVA
= sinhala vowel sign ee
≡ 0DD  0DCA ට
- 0DDB  SINHALA VOWEL SIGN KOMBU DEKA
= sinhala vowel sign ai

Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

- 0DDC  SINHALA VOWEL SIGN KOMBUVA HAA AELA-PILLA
= sinhala vowel sign o
≡ 0DD  0DCF ට
- 0DDD  SINHALA VOWEL SIGN KOMBUVA HAA DIGA AELA-PILLA
= sinhala vowel sign oo
≡ 0DD  0DCA ට
- 0DDE  SINHALA VOWEL SIGN KOMBUVA HAA GAYANUKITTA
= sinhala vowel sign au
≡ 0DD  0DDF ට

Dependent vowel sign

- 0DDF ට SINHALA VOWEL SIGN GAYANUKITTA
= sinhala vowel sign vocalic l

Additional dependent vowel signs

- 0DF2 ට SINHALA VOWEL SIGN DIGA GAETTA-PILLA
= sinhala vowel sign vocalic rr
- 0DF3 ට SINHALA VOWEL SIGN DIGA GAYANUKITTA
= sinhala vowel sign vocalic ll

Punctuation

- 0DF4  SINHALA PUNCTUATION KUNDDALIYA

	0E0	0E1	0E2	0E3	0E4	0E5	0E6	0E7
0		จ ๐E10	ภ ๐E20	ะ ๐E30	เ ๐E40	อ ๐E50		
1	ก ๐E01	ท ๐E11	ม ๐E21	ั ๐E31	แ ๐E41	ด ๐E51		
2	ข ๐E02	ฅ ๐E12	ย ๐E22	า ๐E32	โ ๐E42	๒ ๐E52		
3	ช ๐E03	ฌ ๐E13	ร ๐E23	ำ ๐E33	ใ ๐E43	๓ ๐E53		
4	ค ๐E04	ด ๐E14	ถ ๐E24	ิ ๐E34	ไ ๐E44	๔ ๐E54		
5	ก ๐E05	ต ๐E15	ล ๐E25	ึ ๐E35	า ๐E45	๕ ๐E55		
6	ฆ ๐E06	ถ ๐E16	ภ ๐E26	ื ๐E36	จ ๐E46	๖ ๐E56		
7	ง ๐E07	ท ๐E17	ว ๐E27	ู ๐E37	็ ๐E47	๗ ๐E57		
8	จ ๐E08	ธ ๐E18	ศ ๐E28	ุ ๐E38	๋ ๐E48	๘ ๐E58		
9	ฌ ๐E09	น ๐E19	ษ ๐E29	ู ๐E39	ั ๐E49	๙ ๐E59		
A	ช ๐E0A	บ ๐E1A	ส ๐E2A	ุ ๐E3A	็ ๐E4A	๑๐ ๐E5A		
B	ช ๐E0B	ป ๐E1B	ห ๐E2B		+ ๐E4B	๑๑ ๐E5B		
C	ฌ ๐E0C	ผ ๐E1C	ฬ ๐E2C		็ ๐E4C			
D	ญ ๐E0D	ฝ ๐E1D	อ ๐E2D		็ ๐E4D			
E	ฎ ๐E0E	พ ๐E1E	ฮ ๐E2E		็ ๐E4E			
F	ฎ ๐E0F	ฟ ๐E1F	ฯ ๐E2F	฿ ๐E3F	๑๒ ๐E4F			

Based on TIS 620-2533**Consonants**

0E01	ก	THAI CHARACTER KO KAI
0E02	ข	THAI CHARACTER KHO KHAI
0E03	ฃ	THAI CHARACTER KHO KHUAT
0E04	ฅ	THAI CHARACTER KHO KHWAI
0E05	ฆ	THAI CHARACTER KHO KHON
0E06	ฆ	THAI CHARACTER KHO RAKHANG
0E07	ง	THAI CHARACTER NGO NGU
0E08	จ	THAI CHARACTER CHO CHAN
0E09	ฉ	THAI CHARACTER CHO CHING
0E0A	ช	THAI CHARACTER CHO CHANG
0E0B	ซ	THAI CHARACTER SO SO
0E0C	ฌ	THAI CHARACTER CHO CHOE
0E0D	ญ	THAI CHARACTER YO YING
0E0E	ฎ	THAI CHARACTER DO CHADA
0E0F	ฏ	THAI CHARACTER TO PATAK
0E10	ฐ	THAI CHARACTER THO THAN
0E11	ฑ	THAI CHARACTER THO NANGMONTHO
0E12	ฒ	THAI CHARACTER THO PHUTHAO
0E13	ณ	THAI CHARACTER NO NEN
0E14	ด	THAI CHARACTER DO DEK
0E15	ต	THAI CHARACTER TO TAO
0E16	ถ	THAI CHARACTER THO THUNG
0E17	ท	THAI CHARACTER THO THAHAN
0E18	ธ	THAI CHARACTER THO THONG
0E19	น	THAI CHARACTER NO NU
0E1A	บ	THAI CHARACTER BO BAIMAI
0E1B	ป	THAI CHARACTER PO PLA
0E1C	ผ	THAI CHARACTER PHO PHUNG
0E1D	ฝ	THAI CHARACTER FO FA
0E1E	พ	THAI CHARACTER PHO PHAN
0E1F	ฟ	THAI CHARACTER FO FAN
0E20	ภ	THAI CHARACTER PHO SAMPHAO
0E21	ม	THAI CHARACTER MO MA
0E22	ย	THAI CHARACTER YO YAK
0E23	ร	THAI CHARACTER RO RUA
0E24	ฤ	THAI CHARACTER RU
		• independent vowel letter used to write Sanskrit
0E25	ล	THAI CHARACTER LO LING
0E26	ฦ	THAI CHARACTER LU
		• independent vowel letter used to write Sanskrit
0E27	ว	THAI CHARACTER WO WAEN
0E28	ศ	THAI CHARACTER SO SALA
0E29	ษ	THAI CHARACTER SO RUSI
0E2A	ส	THAI CHARACTER SO SUA
0E2B	ห	THAI CHARACTER HO HIP
0E2C	ฬ	THAI CHARACTER LO CHULA
0E2D	อ	THAI CHARACTER O ANG
0E2E	ฮ	THAI CHARACTER HO NOKHUK
		= ho nok huk

Sign

0E2F	๑	THAI CHARACTER PAIYANNOI
		= paiyan noi
		• ellipsis, abbreviation

Vowels

0E30	๒	THAI CHARACTER SARA A
0E31	๓	THAI CHARACTER MAI HAN-AKAT
0E32	๑	THAI CHARACTER SARA AA
		→ 0E45 ๑ thai character lakkhangyao

0E33	๒	THAI CHARACTER SARA AM
		≈ 0E4D ๐ 0E32 ๑
0E34	๓	THAI CHARACTER SARA I
0E35	๔	THAI CHARACTER SARA II
0E36	๕	THAI CHARACTER SARA UE
0E37	๖	THAI CHARACTER SARA UEE
		= sara uue
0E38	๗	THAI CHARACTER SARA U
0E39	๘	THAI CHARACTER SARA UU
0E3A	๙	THAI CHARACTER PHINTHU
		• Pali virama

Currency symbol

0E3F	฿	THAI CURRENCY SYMBOL BAHT
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Vowels

These vowels precede a consonant in visual order.

0E40	๐	THAI CHARACTER SARA E
0E41	๑	THAI CHARACTER SARA AE
0E42	๒	THAI CHARACTER SARA O
0E43	๓	THAI CHARACTER SARA AI MAIMUMUAN
		= sara ai mai muan
0E44	๔	THAI CHARACTER SARA AI MAIMALAI
		= sara ai mai malai

Vowel length sign

0E45	๑	THAI CHARACTER LAKKHANGYAO
		= lakkhang yao
		• special vowel length indication used with
		0E24 ๑ or 0E26 ๑
		→ 0E32 ๑ thai character sara aa

Repetition mark

0E46	๑	THAI CHARACTER MAIYAMOK
		= mai yamok
		• repetition

Vowel

0E47	๐	THAI CHARACTER MAITAIKHU
		= mai taikhu

Tone marks

0E48	๐	THAI CHARACTER MAI EK
0E49	๑	THAI CHARACTER MAI THO
0E4A	๒	THAI CHARACTER MAI TRI
0E4B	๓	THAI CHARACTER MAI CHATAWA

Signs

0E4C	๐	THAI CHARACTER THANTHAKHAT
		• cancellation mark
0E4D	๑	THAI CHARACTER NIKHAHIT
		= nikkahit
		• final nasal
0E4E	๒	THAI CHARACTER YAMAKKAN
0E4F	๓	THAI CHARACTER FONGMAN
		• used as a bullet
		→ 17D9 ๓ khmer sign phnaek muan

Digits

0E50	๐	THAI DIGIT ZERO
0E51	๑	THAI DIGIT ONE
0E52	๒	THAI DIGIT TWO
0E53	๓	THAI DIGIT THREE
0E54	๔	THAI DIGIT FOUR
0E55	๕	THAI DIGIT FIVE
0E56	๖	THAI DIGIT SIX
0E57	๗	THAI DIGIT SEVEN

0E58 ๘ THAI DIGIT EIGHT

0E59 ๙ THAI DIGIT NINE

Signs

0E5A ๗ THAI CHARACTER ANGKHANKHU

- used to mark end of long sections
- used in combination with 0E30 ๘ to mark end of a verse

0E5B ๘ THAI CHARACTER KHOMUT

- used to mark end of chapter or document
- 17DA ๘ khmer sign koomuut

	0E8	0E9	0EA	0EB	0EC	0ED	0EE	0EF
0				ຮ 0EB0	໔ 0EC0	໐ 0ED0		
1	ກ 0E81		ມ 0EA1	ື 0EB1	ແ 0EC1	໑ 0ED1		
2	ຂ 0E82		ປ 0EA2	າ 0EB2	ໄ 0EC2	໒ 0ED2		
3			ຮ 0EA3	ຳ 0EB3	ໃ 0EC3	ໝ 0ED3		
4	ຄ 0E84	ດ 0E94		ວ 0EB4	ໄ 0EC4	ຜ 0ED4		
5		ຕ 0E95	ລ 0EA5	ວ 0EB5		ຜ 0ED5		
6		ຖ 0E96		ອ 0EB6	ງ 0EC6	ຜ 0ED6		
7	ງ 0E87	ທ 0E97	ວ 0EA7	ອ 0EB7		ກ 0ED7		
8	ຈ 0E88			ອ 0EB8	ົ 0EC8	ຜ 0ED8		
9		ນ 0E99		ອ 0EB9	ົ 0EC9	ລ 0ED9		
A	ຊ 0E8A	ບ 0E9A	ສ 0EAA		ົ 0ECA			
B		ປ 0E9B	ຫ 0EAB	ົ 0EBB	ົ 0ECB			
C		ຜ 0E9C		ົ 0EBC	ົ 0ECB	ໝ 0EDC		
D	ຍ 0E8D	ຝ 0E9D	ອ 0EAD	ົ 0EBD	ົ 0ECD	ໝ 0EDD		
E		ພ 0E9E	ຮ 0EAE					
F		ຟ 0E9F	ຮ 0EAF					

Consonants

0E81	ກ	LAO LETTER KO = ko kay
0E82	ຂ	LAO LETTER KHO SUNG = kho khay
0E83		<reserved>
0E84	ຄ	LAO LETTER KHO TAM = kho khuay
0E85		<reserved>
0E86		<reserved>
0E87	ງ	LAO LETTER NGO = ngo ngu, ngo ngua
0E88	ຈ	LAO LETTER CO = co cok, co cua
0E89		<reserved>
0E8A	ຊ	LAO LETTER SO TAM = so sang
0E8B		<reserved>
0E8C		<reserved>
0E8D	ຍ	LAO LETTER NYO = nyo nyung
0E8E		<reserved>
0E8F		<reserved>
0E90		<reserved>
0E91		<reserved>
0E92		<reserved>
0E93		<reserved>
0E94	ດ	LAO LETTER DO = do dek
0E95	ຕ	LAO LETTER TO = to ta
0E96	ຖ	LAO LETTER THO SUNG = tho thong
0E97	ທ	LAO LETTER THO TAM = tho thung
0E98		<reserved>
0E99	ນ	LAO LETTER NO = no nok
0E9A	ບ	LAO LETTER BO = bo be, bo bet
0E9B	ປ	LAO LETTER PO = po pa
0E9C	ຜ	LAO LETTER PHO SUNG = pho pheng
0E9D	ຝ	LAO LETTER FO TAM × LAO LETTER FO FON = fo fa • name is a mistake for fo sung
0E9E	ພ	LAO LETTER PHO TAM = pho phu
0E9F	ຟ	LAO LETTER FO SUNG × LAO LETTER FO FAY • name is a mistake for fo tam
0EA0		<reserved>
0EA1	ມ	LAO LETTER MO = mo mew, mo ma
0EA2	ຢ	LAO LETTER YO = yo ya
0EA3	ສ	LAO LETTER LO LING × LAO LETTER RO = ro rot • name is a mistake, lo ling is the mnemonic for 0EA5 ລ
0EA4		<reserved>

0EA5	ລ	LAO LETTER LO LOOT × LAO LETTER LO = lo ling • name is a mistake, lo loot is the mnemonic for 0EA3 ສ
0EA6		<reserved>
0EA7	ວ	LAO LETTER WO = wo wi
0EA8		<reserved>
0EA9		<reserved>
0EAA	ສ	LAO LETTER SO SUNG = so sya
0EAB	ຫ	LAO LETTER HO SUNG = ho hay, ho han
0EAC		<reserved>
0EAD	ອ	LAO LETTER O = o o
0EAE	ຮ	LAO LETTER HO TAM = ho hya, ho hyan

Sign

0EAF ງ LAO ELLIPSIS

Vowels

0EB0	ເ	LAO VOWEL SIGN A
0EB1	໊	LAO VOWEL SIGN MAI KAN • vowel shortener
0EB2	າ	LAO VOWEL SIGN AA
0EB3	າ̊	LAO VOWEL SIGN AM ≈ 0ECD ອ̊ 0EB2 າ
0EB4	໋	LAO VOWEL SIGN I
0EB5	໌	LAO VOWEL SIGN II
0EB6	ໍ	LAO VOWEL SIGN Y
0EB7	໎	LAO VOWEL SIGN YY
0EB8	໏	LAO VOWEL SIGN U
0EB9	໐	LAO VOWEL SIGN UU
0EBA		<reserved>
0EBB	໑	LAO VOWEL SIGN MAI KON = mai kong

Signs

0EBC	໒	LAO SEMIVOWEL SIGN LO
0EBD	໓	LAO SEMIVOWEL SIGN NYO = nyo fyang

Vowels*These vowels precede a consonant in visual order.*

0EC0	໔	LAO VOWEL SIGN E
0EC1	໕	LAO VOWEL SIGN EI
0EC2	໖	LAO VOWEL SIGN O
0EC3	໗	LAO VOWEL SIGN AY = mai muan
0EC4	໘	LAO VOWEL SIGN AI = mai may

Repetition mark

0EC6	໙	LAO KO LA • repetition
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Tone marks

0EC8	໐	LAO TONE MAI EK
0EC9	໑	LAO TONE MAI THO
0ECA	໒	LAO TONE MAI TI
0ECB	໓	LAO TONE MAI CATAWA

Signs

0ECC	◌̣	LAO CANCELLATION MARK
0ECD	◌̣◌̣	LAO NIGGAHITA
		• final nasal or long o vowel

Digits

0ED0	◌	LAO DIGIT ZERO
0ED1	໑	LAO DIGIT ONE
0ED2	໒	LAO DIGIT TWO
0ED3	໓	LAO DIGIT THREE
0ED4	໔	LAO DIGIT FOUR
0ED5	໕	LAO DIGIT FIVE
0ED6	໖	LAO DIGIT SIX
0ED7	໗	LAO DIGIT SEVEN
0ED8	໘	LAO DIGIT EIGHT
0ED9	໙	LAO DIGIT NINE

Digraphs

0EDC	໙໐	LAO HO NO
		≈ 0EAB ໙໐ 0E99 ນ໐
0EDD	໙໑	LAO HO MO
		≈ 0EAB ໙໑ 0EA1 ມ໑

	0F0	0F1	0F2	0F3	0F4	0F5	0F6	0F7	0F8	0F9	0FA	0FB	0FC	0FD	0FE	0FF
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

The Tibetan script is called the Bodhi script in Bhutan.

Syllable

0F00 ཨླྀ TIBETAN SYLLABLE OM

Head marks

0F01 ཨླྀ TIBETAN MARK GTER YIG MGO TRUNCATED A

0F02 ཨླྀ TIBETAN MARK GTER YIG MGO -UM RNAM BCAD MA

0F03 ཨླྀ TIBETAN MARK GTER YIG MGO -UM GTER TSHEG MA

0F04 ཨླྀ TIBETAN MARK INITIAL YIG MGO MDUN MA
• honorific; marks beginning of text or start of new folio

→ 1800 ཨླྀ mongolian birga

0F05 ཨླྀ TIBETAN MARK CLOSING YIG MGO SGAB MA
• follows and ligates with initial yig-mgo

0F06 ཨླྀ TIBETAN MARK CARET YIG MGO PHUR SHAD MA

0F07 ཨླྀ TIBETAN MARK YIG MGO TSHEG SHAD MA

Marks and signs

0F08 ཨླྀ TIBETAN MARK SBRUL SHAD
• separates sections of meaning equivalent to topics and sub-topics

0F09 ཨླྀ TIBETAN MARK BSKUR YIG MGO

• list enumerator, used in Bhutan

0F0A ཨླྀ TIBETAN MARK BKA- SHOG YIG MGO

• petition honorific, used in Bhutan

0F0B ཨླྀ TIBETAN MARK INTERSYLLABIC TSHEG

= tsek

• morpheme delimiter (approximate meaning)

• the normal tsheg; provides a break opportunity

• character name is a misnomer

0F0C NB TIBETAN MARK DELIMITER TSHEG BSTAR

• a non-breaking tsheg; inhibits line breaking

• character name is a misnomer

≈ <noBreak> 0F0B

0F0D ཨླྀ TIBETAN MARK SHAD

= shey

• marks end of a section of text (tshig-grub)

→ 0964 I devanagari danda

0F0E ཨླྀ TIBETAN MARK NYIS SHAD

• marks end of a whole topic (don-tshan)

→ 0965 II devanagari double danda

0F0F ཨླྀ TIBETAN MARK TSHEG SHAD

0F10 ཨླྀ TIBETAN MARK NYIS TSHEG SHAD

0F11 ཨླྀ TIBETAN MARK RIN CHEN SPUNGS SHAD

• shad which follows a tsheg-bar that starts a new line

0F12 ཨླྀ TIBETAN MARK RGYA GRAM SHAD

0F13 ཨླྀ TIBETAN MARK CARET -DZUD RTAGS ME LONG CAN

0F14 ཨླྀ TIBETAN MARK GTER TSHEG

• used as a comma-like text delimiter

→ 17D6 ཨླྀ khmer sign camnuc pii kuuh

Astrological signs

0F15 ཨླྀ TIBETAN LOGOTYPE SIGN CHAD RTAGS

0F16 ཨླྀ TIBETAN LOGOTYPE SIGN LHAG RTAGS

0F17 ཨླྀ TIBETAN ASTROLOGICAL SIGN SGRA GCAN -CHAR RTAGS

0F18 ཨླྀ TIBETAN ASTROLOGICAL SIGN -KHYUD PA

• combines with digits

0F19 ཨླྀ TIBETAN ASTROLOGICAL SIGN SDONG TSHUGS

• combines with digits

0F1A ཨླྀ TIBETAN SIGN RDEL DKAR GCIG

0F1B ཨླྀ TIBETAN SIGN RDEL DKAR GNYIS

0F1C ཨླྀ TIBETAN SIGN RDEL DKAR GSUM

→ 1F746 ཨླྀ alchemical symbol for oil

0F1D ཨླྀ TIBETAN SIGN RDEL NAG GCIG

0F1E ཨླྀ TIBETAN SIGN RDEL NAG GNYIS

0F1F ཨླྀ TIBETAN SIGN RDEL DKAR RDEL NAG

Digits

0F20 ཨླྀ TIBETAN DIGIT ZERO

0F21 ཨླྀ TIBETAN DIGIT ONE

0F22 ཨླྀ TIBETAN DIGIT TWO

0F23 ཨླྀ TIBETAN DIGIT THREE

0F24 ཨླྀ TIBETAN DIGIT FOUR

0F25 ཨླྀ TIBETAN DIGIT FIVE

0F26 ཨླྀ TIBETAN DIGIT SIX

0F27 ཨླྀ TIBETAN DIGIT SEVEN

0F28 ཨླྀ TIBETAN DIGIT EIGHT

0F29 ཨླྀ TIBETAN DIGIT NINE

Digits minus half

0F2A ཨླྀ TIBETAN DIGIT HALF ONE

0F2B ཨླྀ TIBETAN DIGIT HALF TWO

0F2C ཨླྀ TIBETAN DIGIT HALF THREE

0F2D ཨླྀ TIBETAN DIGIT HALF FOUR

0F2E ཨླྀ TIBETAN DIGIT HALF FIVE

0F2F ཨླྀ TIBETAN DIGIT HALF SIX

0F30 ཨླྀ TIBETAN DIGIT HALF SEVEN

0F31 ཨླྀ TIBETAN DIGIT HALF EIGHT

0F32 ཨླྀ TIBETAN DIGIT HALF NINE

0F33 ཨླྀ TIBETAN DIGIT HALF ZERO

Marks and signs

0F34 ཨླྀ TIBETAN MARK BSDUS RTAGS

• repetition

0F35 ཨླྀ TIBETAN MARK NGAS BZUNG NYI ZLA

• honorific, emphasis; used like underlining

0F36 ཨླྀ TIBETAN MARK CARET -DZUD RTAGS BZHI MIG CAN

• marks point of text insertion or annotation

0F37 ཨླྀ TIBETAN MARK NGAS BZUNG SGOR RTAGS

• emphasis; used like underlining

0F38 ཨླྀ TIBETAN MARK CHE MGO

0F39 ཨླྀ TIBETAN MARK TSA -PHRU

• a lenition mark

Paired punctuation

0F3A ཨླྀ TIBETAN MARK GUG RTAGS GYON

0F3B ཨླྀ TIBETAN MARK GUG RTAGS GYAS

• brackets

0F3C ཨླྀ TIBETAN MARK ANG KHANG GYON

0F3D ཨླྀ TIBETAN MARK ANG KHANG GYAS

• used for bracketing with a roof over

Astrological signs

0F3E ཨླྀ TIBETAN SIGN YAR TSHES

0F3F ཨླྀ TIBETAN SIGN MAR TSHES

• marks which combine with digits

Consonants

0F40 ཨླྀ TIBETAN LETTER KA

0F41 ཨླྀ TIBETAN LETTER KHA

0F42 ཨླྀ TIBETAN LETTER GA

0F43	ཀ	TIBETAN LETTER GHA ≡ 0F42 ཀ 0FB7 ཀ
0F44	ང	TIBETAN LETTER NGA
0F45	ཅ	TIBETAN LETTER CA
0F46	ཆ	TIBETAN LETTER CHA
0F47	ཇ	TIBETAN LETTER JA
0F48	◻	<reserved>
0F49	ཉ	TIBETAN LETTER NYA
0F4A	ཏ	TIBETAN LETTER TTA
0F4B	ཐ	TIBETAN LETTER TTHA
0F4C	ད	TIBETAN LETTER DDA
0F4D	ཏ	TIBETAN LETTER DDHA ≡ 0F4C ད 0FB7 ཏ
0F4E	ན	TIBETAN LETTER NNA
0F4F	ཏ	TIBETAN LETTER TA
0F50	ཐ	TIBETAN LETTER THA
0F51	ད	TIBETAN LETTER DA
0F52	ཏ	TIBETAN LETTER DHA ≡ 0F51 ད 0FB7 ཏ
0F53	ཏ	TIBETAN LETTER NA
0F54	ཏ	TIBETAN LETTER PA
0F55	ཏ	TIBETAN LETTER PHA
0F56	ཏ	TIBETAN LETTER BA
0F57	ཏ	TIBETAN LETTER BHA ≡ 0F56 ཏ 0FB7 ཏ
0F58	ཏ	TIBETAN LETTER MA
0F59	ཏ	TIBETAN LETTER TSA
0F5A	ཏ	TIBETAN LETTER TSHA
0F5B	ཏ	TIBETAN LETTER DZA
0F5C	ཏ	TIBETAN LETTER DZHA ≡ 0F5B ཏ 0FB7 ཏ
0F5D	ཏ	TIBETAN LETTER WA
0F5E	ཏ	TIBETAN LETTER ZHA
0F5F	ཏ	TIBETAN LETTER ZA
0F60	ཏ	TIBETAN LETTER -A
0F61	ཏ	TIBETAN LETTER YA
0F62	ཏ	TIBETAN LETTER RA • when followed by a subjoined letter = ra mgo
0F63	ཏ	TIBETAN LETTER LA
0F64	ཏ	TIBETAN LETTER SHA
0F65	ཏ	TIBETAN LETTER SSA = reversed sha
0F66	ཏ	TIBETAN LETTER SA
0F67	ཏ	TIBETAN LETTER HA
0F68	ཏ	TIBETAN LETTER A • base for dependent vowels
0F69	ཏ	TIBETAN LETTER KSSA ≡ 0F40 ཏ 0FB5 ཏ
0F6A	ཏ	TIBETAN LETTER FIXED-FORM RA • fixed-form letter not showing the shape variation of the ordinary ra • used only in transliteration and transcription → 0F62 ཏ tibetan letter ra

Extensions for Balti

0F6B	ཏ	TIBETAN LETTER KKA
0F6C	ཏ	TIBETAN LETTER RRA

Dependent vowel signs

0F71	ཏ	TIBETAN VOWEL SIGN AA = a-chung • common, vowel-lengthening mark
0F72	ཏ	TIBETAN VOWEL SIGN I

0F73	ཏ	TIBETAN VOWEL SIGN II • use of this character is discouraged ≡ 0F71 ཏ 0F72 ཏ
0F74	ཏ	TIBETAN VOWEL SIGN U
0F75	ཏ	TIBETAN VOWEL SIGN UU • use of this character is discouraged ≡ 0F71 ཏ 0F74 ཏ
0F76	ཏ	TIBETAN VOWEL SIGN VOCALIC R ≡ 0FB2 ཏ 0F80 ཏ
0F77	ཏ	TIBETAN VOWEL SIGN VOCALIC RR • this character is deprecated and its use is strongly discouraged ≈ 0FB2 ཏ 0F81 ཏ
0F78	ཏ	TIBETAN VOWEL SIGN VOCALIC L ≡ 0FB3 ཏ 0F80 ཏ
0F79	ཏ	TIBETAN VOWEL SIGN VOCALIC LL • this character is deprecated and its use is strongly discouraged ≈ 0FB3 ཏ 0F81 ཏ
0F7A	ཏ	TIBETAN VOWEL SIGN E
0F7B	ཏ	TIBETAN VOWEL SIGN EE
0F7C	ཏ	TIBETAN VOWEL SIGN O
0F7D	ཏ	TIBETAN VOWEL SIGN OO

Vocalic modification

0F7E	ཏ	TIBETAN SIGN RJES SU NGA RO = anusvara
0F7F	ཏ	TIBETAN SIGN RNAM BCAD = visarga

Dependent vowel signs

0F80	ཏ	TIBETAN VOWEL SIGN REVERSED I
0F81	ཏ	TIBETAN VOWEL SIGN REVERSED II • use of this character is discouraged ≡ 0F71 ཏ 0F80 ཏ

Marks and signs


0F82	ཏ	TIBETAN SIGN NYI ZLA NAA DA
0F83	ཏ	TIBETAN SIGN SNA LDAN → 0901 ཏ devanagari sign candrabindu
0F84	ཏ	TIBETAN MARK HALANTA = srog med → 094D ཏ devanagari sign virama
0F85	ཏ	TIBETAN MARK PALUTA • transliteration of Sanskrit avagraha → 093D ཏ devanagari sign avagraha
0F86	ཏ	TIBETAN SIGN LCI RTAGS
0F87	ཏ	TIBETAN SIGN YANG RTAGS

Transliteration head letters

0F88	ཏ	TIBETAN SIGN LCE TSA CAN → 0CF1 ཏ kannada sign jihvamuliya → 1882 ཏ mongolian letter ali gali damaru
0F89	ཏ	TIBETAN SIGN MCHU CAN → 0CF2 ཏ kannada sign upadhmaniya → 1884 ཏ mongolian letter ali gali inverted ubadama
0F8A	ཏ	TIBETAN SIGN GRU CAN RGYINGS • always followed by 0F82 ཏ
0F8B	ཏ	TIBETAN SIGN GRU MED RGYINGS
0F8C	ཏ	TIBETAN SIGN INVERTED MCHU CAN → 1883 ཏ mongolian letter ali gali ubadama
























































Transliteration subjoined signs

0F8D	ཏ	TIBETAN SUBJOINED SIGN LCE TSA CAN
0F8E	ཏ	TIBETAN SUBJOINED SIGN MCHU CAN

0F8F  TIBETAN SUBJOINED SIGN INVERTED MCHU CAN




Subjoined consonants

The subjoined letters for WA, YA, and RA appear in both full and short forms. The short forms, wa.zur, ya-btags, and ra-btags, respectively, are most common and are the forms shown in the charts.

0F90		TIBETAN SUBJOINED LETTER KA
0F91		TIBETAN SUBJOINED LETTER KHA
0F92		TIBETAN SUBJOINED LETTER GA
0F93		TIBETAN SUBJOINED LETTER GHA ≡ 0F92  0FB7 
0F94		TIBETAN SUBJOINED LETTER NGA
0F95		TIBETAN SUBJOINED LETTER CA
0F96		TIBETAN SUBJOINED LETTER CHA
0F97		TIBETAN SUBJOINED LETTER JA
0F98		<reserved>
0F99		TIBETAN SUBJOINED LETTER NYA
0F9A		TIBETAN SUBJOINED LETTER TTA
0F9B		TIBETAN SUBJOINED LETTER TTHA
0F9C		TIBETAN SUBJOINED LETTER DDA
0F9D		TIBETAN SUBJOINED LETTER DDHA ≡ 0F9C  0FB7 
0F9E		TIBETAN SUBJOINED LETTER NNA
0F9F		TIBETAN SUBJOINED LETTER TA
0FA0		TIBETAN SUBJOINED LETTER THA
0FA1		TIBETAN SUBJOINED LETTER DA
0FA2		TIBETAN SUBJOINED LETTER DHA ≡ 0FA1  0FB7 
0FA3		TIBETAN SUBJOINED LETTER NA
0FA4		TIBETAN SUBJOINED LETTER PA
0FA5		TIBETAN SUBJOINED LETTER PHA
0FA6		TIBETAN SUBJOINED LETTER BA
0FA7		TIBETAN SUBJOINED LETTER BHA ≡ 0FA6  0FB7 
0FA8		TIBETAN SUBJOINED LETTER MA
0FA9		TIBETAN SUBJOINED LETTER TSA
0FAA		TIBETAN SUBJOINED LETTER TSHA
0FAB		TIBETAN SUBJOINED LETTER DZA
0FAC		TIBETAN SUBJOINED LETTER DZHA ≡ 0FAB  0FB7 
0FAD		TIBETAN SUBJOINED LETTER WA = wa-zur, wa-btags (wa ta)
0FAE		TIBETAN SUBJOINED LETTER ZHA
0FAF		TIBETAN SUBJOINED LETTER ZA
0FB0		TIBETAN SUBJOINED LETTER -A = a-chung • rare, only used for full-sized subjoined letter → 0F71  tibetan vowel sign aa
0FB1		TIBETAN SUBJOINED LETTER YA = ya-btags (ya ta)
0FB2		TIBETAN SUBJOINED LETTER RA = ra-btags (ra ta)
0FB3		TIBETAN SUBJOINED LETTER LA
0FB4		TIBETAN SUBJOINED LETTER SHA
0FB5		TIBETAN SUBJOINED LETTER SSA = reversed subjoined sha
0FB6		TIBETAN SUBJOINED LETTER SA
0FB7		TIBETAN SUBJOINED LETTER HA
0FB8		TIBETAN SUBJOINED LETTER A
0FB9		TIBETAN SUBJOINED LETTER KSSA ≡ 0F90  0FB5 

Fixed-form subjoined consonants

These characters are used only for transliteration and transcription.

0FBA		TIBETAN SUBJOINED LETTER FIXED-FORM WA
0FBB		TIBETAN SUBJOINED LETTER FIXED-FORM YA
0FBC		TIBETAN SUBJOINED LETTER FIXED-FORM RA




Signs

0FBE	×	TIBETAN KU RU KHA • often repeated three times; indicates a refrain
0FBF	※	TIBETAN KU RU KHA BZHI MIG CAN • marks point of text insertion or annotation → 203B × reference mark

Cantillation signs

0FC0	○	TIBETAN CANTILLATION SIGN HEAVY BEAT • marks a heavy drum beat
0FC1	◦	TIBETAN CANTILLATION SIGN LIGHT BEAT • marks a light drum beat
0FC2	◉	TIBETAN CANTILLATION SIGN CANG TE-U • symbol of a small Tibetan hand drum
0FC3	⊗	TIBETAN CANTILLATION SIGN SBUB -CHAL • symbol of a Tibetan cymbal

Symbols

0FC4	♁	TIBETAN SYMBOL DRIL BU • symbol of a Tibetan hand bell → 1F514  bell
0FC5	♂	TIBETAN SYMBOL RDO RJE
0FC6	♁	TIBETAN SYMBOL PADMA GDAN
0FC7	♁	TIBETAN SYMBOL RDO RJE RGYA GRAM
0FC8	♁	TIBETAN SYMBOL PHUR PA
0FC9	♁	TIBETAN SYMBOL NOR BU
0FCA	♁	TIBETAN SYMBOL NOR BU NYIS -KHYIL • the double body symbol → 262F  yin yang
0FCB	♁	TIBETAN SYMBOL NOR BU GSUM -KHYIL • the tri-kaya or triple body symbol
0FCC	♁	TIBETAN SYMBOL NOR BU BZHI -KHYIL • the quadruple body symbol, a form of the svasti sign → 0FD6  left-facing svasti sign

Astrological signs

0FCE	✖	TIBETAN SIGN RDEL NAG RDEL DKAR = dena deka • signifies good luck earlier, bad luck later
0FCF	✖	TIBETAN SIGN RDEL NAG GSUM

Marks

0FD0	↗	TIBETAN MARK BSKA- SHOG GI MGO RGYAN × TIBETAN MARK BKA- SHOG GI MGO RGYAN • used in Bhutan
0FD1	↗	TIBETAN MARK MNYAM YIG GI MGO RGYAN • used in Bhutan
0FD2	:	TIBETAN MARK NYIS TSHEG = nyi tsek

Head marks

0FD3	↖	TIBETAN MARK INITIAL BRDA RNYING YIG MGO MDUN MA = da nying yik go dun ma
0FD4	↖	TIBETAN MARK CLOSING BRDA RNYING YIG MGO SGAB MA = da nying yik go kab ma

Religious symbols

- 0FD5 ཨ RIGHT-FACING SVASTI SIGN
= gyung drung nang -khor
• symbol of good luck and well-being in India
→ 5350 ཨ
- 0FD6 ཨ LEFT-FACING SVASTI SIGN
= gyung drung phyi -khor
→ 534D ཨ
- 0FD7 ཨ RIGHT-FACING SVASTI SIGN WITH DOTS
= gyung drung nang -khor bzhi mig can
- 0FD8 ཨ LEFT-FACING SVASTI SIGN WITH DOTS
= gyung drung phyi -khor bzhi mig can

Annotation marks

- 0FD9 ཨ TIBETAN MARK LEADING MCHAN RTAGS
- 0FDA ཨ TIBETAN MARK TRAILING MCHAN RTAGS

	100	101	102	103	104	105	106	107	108	109
0	က 1000	တ 1010	င 1020	ူ 1030	ဝ 1040	၁ 1050	၂ 1060	ဃ 1070	ဆ 1080	ဝ 1090
1	ခ 1001	ထ 1011	အ 1021	ေ 1031	၁ 1041	၁ 1051	၂ 1061	ံ 1071	၂ 1081	၂ 1091
2	ဂ 1002	ဒ 1012	က 1022	ဲ 1032	၂ 1042	၁ 1052	၁ 1062	ံ 1072	ံ 1082	၂ 1092
3	ယ 1003	စ 1013	ဒိ 1023	ီ 1033	၂ 1043	၁ 1053	၂ 1063	ံ 1073	ံ 1083	၂ 1093
4	င 1004	န 1014	ြ 1024	ံ 1034	၂ 1044	၁ 1054	၁ 1064	ံ 1074	ံ 1084	၂ 1094
5	စ 1005	ပ 1015	လ 1025	ီ 1035	၂ 1045	၁ 1055	၁ 1065	ံ 1075	ံ 1085	၂ 1095
6	ဆ 1006	ဖ 1016	လ 1026	ံ 1036	၂ 1046	၁ 1056	၁ 1066	ံ 1076	ံ 1086	၂ 1096
7	ဇ 1007	ဗ 1017	စ 1027	ံ 1037	၂ 1047	၁ 1057	၁ 1067	ံ 1077	ံ 1087	၂ 1097
8	ဈ 1008	ဘ 1018	လ 1028	ံ 1038	၂ 1048	၁ 1058	၁ 1068	ံ 1078	ံ 1088	၂ 1098
9	ဉ 1009	မ 1019	ြ 1029	ံ 1039	၂ 1049	၁ 1059	၁ 1069	ံ 1079	ံ 1089	၂ 1099
A	ည 100A	ယ 101A	ြ 102A	ံ 103A	၂ 104A	၁ 105A	၁ 106A	ံ 107A	ံ 108A	ံ 109A
B	ဋ 100B	ရ 101B	ံ 102B	ံ 103B	၂ 104B	၁ 105B	၁ 106B	ံ 107B	ံ 108B	ံ 109B
C	ဌ 100C	လ 101C	ံ 102C	ံ 103C	၂ 104C	၁ 105C	၁ 106C	ံ 107C	ံ 108C	ံ 109C
D	ဍ 100D	ဝ 101D	ံ 102D	ံ 103D	၂ 104D	၁ 105D	၁ 106D	ံ 107D	ံ 108D	ံ 109D
E	ဎ 100E	သ 101E	ံ 102E	ံ 103E	၂ 104E	၁ 105E	၁ 106E	ံ 107E	ံ 108E	ံ 109E
F	ဏ 100F	တ 101F	ံ 102F	ံ 103F	၂ 104F	၁ 105F	၁ 106F	ံ 107F	ံ 108F	ံ 109F

Consonants

1000	က	MYANMAR LETTER KA
1001	ခ	MYANMAR LETTER KHA
1002	ဂ	MYANMAR LETTER GA
1003	ဃ	MYANMAR LETTER GHA
1004	င	MYANMAR LETTER NGA
1005	စ	MYANMAR LETTER CA
1006	ဆ	MYANMAR LETTER CHA
1007	ဇ	MYANMAR LETTER JA
1008	ည	MYANMAR LETTER JHA
1009	ဋ	MYANMAR LETTER NYA
100A	ဋ်	MYANMAR LETTER NNYA
100B	တ	MYANMAR LETTER TTA
100C	ထ	MYANMAR LETTER TTHA
100D	ဒ	MYANMAR LETTER DDA
100E	ဒ်	MYANMAR LETTER DDHA
100F	န	MYANMAR LETTER NNA
1010	တ	MYANMAR LETTER TA
1011	ထ	MYANMAR LETTER THA
1012	ဒ	MYANMAR LETTER DA
1013	ဓ	MYANMAR LETTER DHA
1014	န	MYANMAR LETTER NA
1015	ပ	MYANMAR LETTER PA
1016	ဖ	MYANMAR LETTER PHA
1017	ဘ	MYANMAR LETTER BA
1018	ပ	MYANMAR LETTER BHA
1019	မ	MYANMAR LETTER MA
101A	ယ	MYANMAR LETTER YA
101B	ရ	MYANMAR LETTER RA
101C	လ	MYANMAR LETTER LA
101D	ဝ	MYANMAR LETTER WA
101E	သ	MYANMAR LETTER SA
101F	ဟ	MYANMAR LETTER HA
1020	ဇာ	MYANMAR LETTER LLA

Independent vowels

1021	အ	MYANMAR LETTER A • also represents the glottal stop as a consonant
1022	ဗ	MYANMAR LETTER SHAN A
1023	ဇာ	MYANMAR LETTER I
1024	ဇာ	MYANMAR LETTER II
1025	ဇာ	MYANMAR LETTER U
1026	ဇာ	MYANMAR LETTER UU ≡ 1025 ဇာ 102E ဇာ
1027	ဇာ	MYANMAR LETTER E
1028	ဇာ	MYANMAR LETTER MON E
1029	ဇာ	MYANMAR LETTER O
102A	ဇာ	MYANMAR LETTER AU

Dependent vowel signs

102B	ဇာ	MYANMAR VOWEL SIGN TALL AA
102C	ဇာ	MYANMAR VOWEL SIGN AA
102D	ဇာ	MYANMAR VOWEL SIGN I
102E	ဇာ	MYANMAR VOWEL SIGN II
102F	ဇာ	MYANMAR VOWEL SIGN U
1030	ဇာ	MYANMAR VOWEL SIGN UU
1031	ဇာ	MYANMAR VOWEL SIGN E • stands to the left of the consonant
1032	ဇာ	MYANMAR VOWEL SIGN AI
1033	ဇာ	MYANMAR VOWEL SIGN MON II
1034	ဇာ	MYANMAR VOWEL SIGN MON O
1035	ဇာ	MYANMAR VOWEL SIGN E ABOVE

Various signs

1036	ဇာ	MYANMAR SIGN ANUSVARA
1037	ဇာ	MYANMAR SIGN DOT BELOW = aukmyit • a tone mark
1038	ဇာ	MYANMAR SIGN VISARGA
1039	ဇာ	MYANMAR SIGN VIRAMA = killer (when rendered visibly)
103A	ဇာ	MYANMAR SIGN ASAT = killer (always rendered visibly)

Dependent consonant signs

103B	ဇာ	MYANMAR CONSONANT SIGN MEDIAL YA
103C	ဇာ	MYANMAR CONSONANT SIGN MEDIAL RA
103D	ဇာ	MYANMAR CONSONANT SIGN MEDIAL WA
103E	ဇာ	MYANMAR CONSONANT SIGN MEDIAL HA

Consonant

103F	ဇာ	MYANMAR LETTER GREAT SA
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Digits

1040	၀	MYANMAR DIGIT ZERO
1041	၁	MYANMAR DIGIT ONE
1042	၂	MYANMAR DIGIT TWO
1043	၃	MYANMAR DIGIT THREE
1044	၄	MYANMAR DIGIT FOUR
1045	၅	MYANMAR DIGIT FIVE
1046	၆	MYANMAR DIGIT SIX
1047	၇	MYANMAR DIGIT SEVEN
1048	၈	MYANMAR DIGIT EIGHT
1049	၉	MYANMAR DIGIT NINE

Punctuation

104A	၊	MYANMAR SIGN LITTLE SECTION → 0964 I devanagari danda
104B	။	MYANMAR SIGN SECTION → 0965 II devanagari double danda

Various signs

104C	ဇာ	MYANMAR SYMBOL LOCATIVE
104D	ဇာ	MYANMAR SYMBOL COMPLETED
104E	ဇာ	MYANMAR SYMBOL AFOREMENTIONED
104F	ဇာ	MYANMAR SYMBOL GENITIVE

Pali and Sanskrit extensions

1050	ဇာ	MYANMAR LETTER SHA
1051	ဇာ	MYANMAR LETTER SSA
1052	ဇာ	MYANMAR LETTER VOCALIC R
1053	ဇာ	MYANMAR LETTER VOCALIC RR
1054	ဇာ	MYANMAR LETTER VOCALIC L
1055	ဇာ	MYANMAR LETTER VOCALIC LL
1056	ဇာ	MYANMAR VOWEL SIGN VOCALIC R
1057	ဇာ	MYANMAR VOWEL SIGN VOCALIC RR
1058	ဇာ	MYANMAR VOWEL SIGN VOCALIC L
1059	ဇာ	MYANMAR VOWEL SIGN VOCALIC LL

Extensions for Mon

105A	ဇာ	MYANMAR LETTER MON NGA
105B	ဇာ	MYANMAR LETTER MON JHA
105C	ဇာ	MYANMAR LETTER MON BBA
105D	ဇာ	MYANMAR LETTER MON BBE
105E	ဇာ	MYANMAR CONSONANT SIGN MON MEDIAL NA
105F	ဇာ	MYANMAR CONSONANT SIGN MON MEDIAL MA

1060 ၵ MYANMAR CONSONANT SIGN MON MEDIAL LA

Extensions for S'gaw Karen

1061 ၵ MYANMAR LETTER SGAW KAREN SHA
 1062 ၵ MYANMAR VOWEL SIGN SGAW KAREN EU
 1063 ၵ MYANMAR TONE MARK SGAW KAREN HATHI
 1064 ၵ MYANMAR TONE MARK SGAW KAREN KE PHO

Extensions for Western Pwo Karen

1065 ၵ MYANMAR LETTER WESTERN PWO KAREN THA
 1066 ၵ MYANMAR LETTER WESTERN PWO KAREN PWA
 1067 ၵ MYANMAR VOWEL SIGN WESTERN PWO KAREN EU
 1068 ၵ MYANMAR VOWEL SIGN WESTERN PWO KAREN UE
 1069 ၵ MYANMAR SIGN WESTERN PWO KAREN TONE-1
 106A ၵ MYANMAR SIGN WESTERN PWO KAREN TONE-2
 106B ၵ MYANMAR SIGN WESTERN PWO KAREN TONE-3
 106C ၵ MYANMAR SIGN WESTERN PWO KAREN TONE-4
 106D ၵ MYANMAR SIGN WESTERN PWO KAREN TONE-5

Extensions for Eastern Pwo Karen

106E ၵ MYANMAR LETTER EASTERN PWO KAREN NNA
 106F ၵ MYANMAR LETTER EASTERN PWO KAREN YWA
 1070 ၵ MYANMAR LETTER EASTERN PWO KAREN GHWA

Extension for Geba Karen

1071 ၵ MYANMAR VOWEL SIGN GEBA KAREN I

Extensions for Kayah

1072 ၵ MYANMAR VOWEL SIGN KAYAH OE
 1073 ၵ MYANMAR VOWEL SIGN KAYAH U
 1074 ၵ MYANMAR VOWEL SIGN KAYAH EE

Extensions for Shan

1075 ၵ MYANMAR LETTER SHAN KA
 1076 ၵ MYANMAR LETTER SHAN KHA
 1077 ၵ MYANMAR LETTER SHAN GA
 1078 ၵ MYANMAR LETTER SHAN CA
 1079 ၵ MYANMAR LETTER SHAN ZA
 107A ၵ MYANMAR LETTER SHAN NYA
 107B ၵ MYANMAR LETTER SHAN DA
 107C ၵ MYANMAR LETTER SHAN NA
 107D ၵ MYANMAR LETTER SHAN PHA
 107E ၵ MYANMAR LETTER SHAN FA
 107F ၵ MYANMAR LETTER SHAN BA
 1080 ၵ MYANMAR LETTER SHAN THA
 1081 ၵ MYANMAR LETTER SHAN HA
 1082 ၵ MYANMAR CONSONANT SIGN SHAN MEDIAL WA
 1083 ၵ MYANMAR VOWEL SIGN SHAN AA
 1084 ၵ MYANMAR VOWEL SIGN SHAN E
 1085 ၵ MYANMAR VOWEL SIGN SHAN E ABOVE
 1086 ၵ MYANMAR VOWEL SIGN SHAN FINAL Y
 1087 ၵ MYANMAR SIGN SHAN TONE-2
 1088 ၵ MYANMAR SIGN SHAN TONE-3
 1089 ၵ MYANMAR SIGN SHAN TONE-5
 108A ၵ MYANMAR SIGN SHAN TONE-6
 108B ၵ MYANMAR SIGN SHAN COUNCIL TONE-2

108C ၵ MYANMAR SIGN SHAN COUNCIL TONE-3

108D ၵ MYANMAR SIGN SHAN COUNCIL EMPHATIC TONE

Extensions for Rumai Palaung

108E ၵ MYANMAR LETTER RUMAI PALAUNG FA
 108F ၵ MYANMAR SIGN RUMAI PALAUNG TONE-5

Shan digits

1090 0 MYANMAR SHAN DIGIT ZERO
 1091 1 MYANMAR SHAN DIGIT ONE
 1092 2 MYANMAR SHAN DIGIT TWO
 1093 3 MYANMAR SHAN DIGIT THREE
 1094 4 MYANMAR SHAN DIGIT FOUR
 1095 5 MYANMAR SHAN DIGIT FIVE
 1096 6 MYANMAR SHAN DIGIT SIX
 1097 7 MYANMAR SHAN DIGIT SEVEN
 1098 8 MYANMAR SHAN DIGIT EIGHT
 1099 9 MYANMAR SHAN DIGIT NINE

Extensions for Khamti Shan

109A ၵ MYANMAR SIGN KHAMTI TONE-1
 109B ၵ MYANMAR SIGN KHAMTI TONE-3

Extensions for Aiton and Phake

109C ၵ MYANMAR VOWEL SIGN AITON A
 109D ၵ MYANMAR VOWEL SIGN AITON AI

Shan symbols

109E ၵ MYANMAR SYMBOL SHAN ONE
 109F ၵ MYANMAR SYMBOL SHAN EXCLAMATION

	10A	10B	10C	10D	10E	10F
0	Ⴀ 10A0	Ⴁ 10B0	Ⴂ 10C0	Ⴃ 10D0	Ⴄ 10E0	Ⴅ 10F0
1	Ⴆ 10A1	Ⴇ 10B1	Ⴈ 10C1	Ⴉ 10D1	Ⴊ 10E1	Ⴋ 10F1
2	Ⴌ 10A2	Ⴍ 10B2	Ⴎ 10C2	Ⴏ 10D2	Ⴐ 10E2	Ⴑ 10F2
3	Ⴒ 10A3	Ⴓ 10B3	Ⴔ 10C3	Ⴕ 10D3	Ⴖ 10E3	Ⴗ 10F3
4	Ⴘ 10A4	Ⴙ 10B4	Ⴚ 10C4	Ⴛ 10D4	Ⴜ 10E4	Ⴝ 10F4
5	Ⴟ 10A5	Ⴡ 10B5	Ⴢ 10C5	Ⴣ 10D5	Ⴤ 10E5	Ⴥ 10F5
6	჆ 10A6	Ⴧ 10B6		჉ 10D6	჊ 10E6	჋ 10F6
7	჌ 10A7	Ⴭ 10B7		჏ 10D7	ა 10E7	ბ 10F7
8	გ 10A8	დ 10B8		ვ 10D8	ზ 10E8	თ 10F8
9	კ 10A9	ლ 10B9		ნ 10D9	ო 10E9	პ 10F9
A	ჟ 10AA	რ 10BA		ს 10DA	ტ 10EA	უ 10FA
B	ქ 10AB	ღ 10BB		შ 10DB	ჩ 10EB	ჰ 10FB
C	ჲ 10AC	ჳ 10BC		ჵ 10DC	ჶ 10EC	ჷ 10FC
D	ჹ 10AD	ჺ 10BD		ჼ 10DD	ჽ 10ED	
E	ჿ 10AE	რ 10BE		ჲ 10DE	ჳ 10EE	
F	ჴ 10AF	ჵ 10BF		ჶ 10DF	ჷ 10EF	

Capital letters (Khutsuri)

This is the uppercase of the old ecclesiastical alphabet. The style shown in the code charts is known as Asomtavruli. See the Georgian Supplement block for lowercase Nuskhuri.

10A0	Ⴀ	GEORGIAN CAPITAL LETTER AN
10A1	Ⴁ	GEORGIAN CAPITAL LETTER BAN
10A2	Ⴂ	GEORGIAN CAPITAL LETTER GAN
10A3	Ⴃ	GEORGIAN CAPITAL LETTER DON
10A4	Ⴄ	GEORGIAN CAPITAL LETTER EN
10A5	Ⴅ	GEORGIAN CAPITAL LETTER VIN
10A6	Ⴆ	GEORGIAN CAPITAL LETTER ZEN
10A7	Ⴇ	GEORGIAN CAPITAL LETTER TAN
10A8	Ⴈ	GEORGIAN CAPITAL LETTER IN
10A9	Ⴉ	GEORGIAN CAPITAL LETTER KAN
10AA	Ⴊ	GEORGIAN CAPITAL LETTER LAS
10AB	Ⴋ	GEORGIAN CAPITAL LETTER MAN
10AC	Ⴌ	GEORGIAN CAPITAL LETTER NAR
10AD	Ⴍ	GEORGIAN CAPITAL LETTER ON
10AE	Ⴎ	GEORGIAN CAPITAL LETTER PAR
10AF	Ⴏ	GEORGIAN CAPITAL LETTER ZHAR
10B0	Ⴐ	GEORGIAN CAPITAL LETTER RAE
10B1	Ⴑ	GEORGIAN CAPITAL LETTER SAN
10B2	Ⴒ	GEORGIAN CAPITAL LETTER TAR
10B3	Ⴓ	GEORGIAN CAPITAL LETTER UN
10B4	Ⴔ	GEORGIAN CAPITAL LETTER PHAR
10B5	Ⴕ	GEORGIAN CAPITAL LETTER KHAR
10B6	Ⴖ	GEORGIAN CAPITAL LETTER GHAN
10B7	Ⴗ	GEORGIAN CAPITAL LETTER QAR
10B8	Ⴘ	GEORGIAN CAPITAL LETTER SHIN
10B9	Ⴙ	GEORGIAN CAPITAL LETTER CHIN
10BA	Ⴚ	GEORGIAN CAPITAL LETTER CAN
10BB	Ⴛ	GEORGIAN CAPITAL LETTER JIL
10BC	Ⴜ	GEORGIAN CAPITAL LETTER CIL
10BD	Ⴝ	GEORGIAN CAPITAL LETTER CHAR
10BE	Ⴞ	GEORGIAN CAPITAL LETTER XAN
10BF	Ⴟ	GEORGIAN CAPITAL LETTER JHAN
10C0	Ⴀ	GEORGIAN CAPITAL LETTER HAE
10C1	Ⴁ	GEORGIAN CAPITAL LETTER HE
10C2	Ⴂ	GEORGIAN CAPITAL LETTER HIE
10C3	Ⴃ	GEORGIAN CAPITAL LETTER WE
10C4	Ⴄ	GEORGIAN CAPITAL LETTER HAR
10C5	Ⴅ	GEORGIAN CAPITAL LETTER HOE

Mkhedruli

This is the modern secular alphabet, which is caseless.

10D0	Ⴇ	GEORGIAN LETTER AN
10D1	Ⴈ	GEORGIAN LETTER BAN
10D2	Ⴉ	GEORGIAN LETTER GAN
10D3	Ⴊ	GEORGIAN LETTER DON
10D4	Ⴋ	GEORGIAN LETTER EN
10D5	Ⴌ	GEORGIAN LETTER VIN
10D6	Ⴍ	GEORGIAN LETTER ZEN
10D7	Ⴎ	GEORGIAN LETTER TAN
10D8	Ⴏ	GEORGIAN LETTER IN
10D9	Ⴐ	GEORGIAN LETTER KAN
10DA	Ⴑ	GEORGIAN LETTER LAS
10DB	Ⴒ	GEORGIAN LETTER MAN
10DC	Ⴓ	GEORGIAN LETTER NAR
10DD	Ⴔ	GEORGIAN LETTER ON
10DE	Ⴕ	GEORGIAN LETTER PAR
10DF	Ⴖ	GEORGIAN LETTER ZHAR
10E0	Ⴗ	GEORGIAN LETTER RAE

10E1	Ⴘ	GEORGIAN LETTER SAN
10E2	Ⴙ	GEORGIAN LETTER TAR
10E3	Ⴚ	GEORGIAN LETTER UN
10E4	Ⴛ	GEORGIAN LETTER PHAR
10E5	Ⴜ	GEORGIAN LETTER KHAR
10E6	Ⴝ	GEORGIAN LETTER GHAN
10E7	Ⴞ	GEORGIAN LETTER QAR
10E8	Ⴟ	GEORGIAN LETTER SHIN
10E9	Ⴀ	GEORGIAN LETTER CHIN
10EA	Ⴁ	GEORGIAN LETTER CAN
10EB	Ⴂ	GEORGIAN LETTER JIL
10EC	Ⴃ	GEORGIAN LETTER CIL
10ED	Ⴄ	GEORGIAN LETTER CHAR
10EE	Ⴅ	GEORGIAN LETTER XAN
10EF	Ⴆ	GEORGIAN LETTER JHAN
10F0	Ⴇ	GEORGIAN LETTER HAE

Archaic letters

10F1	Ⴈ	GEORGIAN LETTER HE
10F2	Ⴉ	GEORGIAN LETTER HIE
10F3	Ⴊ	GEORGIAN LETTER WE
10F4	Ⴋ	GEORGIAN LETTER HAR
10F5	Ⴌ	GEORGIAN LETTER HOE
10F6	Ⴍ	GEORGIAN LETTER FI

Additional letters for Mingrelian and Svan

10F7	Ⴎ	GEORGIAN LETTER YN
10F8	Ⴏ	GEORGIAN LETTER ELIFI

Additional letters

10F9	Ⴐ	GEORGIAN LETTER TURNED GAN
10FA	Ⴑ	GEORGIAN LETTER AIN

Punctuation

10FB	Ⴒ	GEORGIAN PARAGRAPH SEPARATOR
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Modifier letter

10FC	Ⴓ	MODIFIER LETTER GEORGIAN NAR ≈ <super> 10DC Ⴔ
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	110	111	112	113	114	115	116	117	118	119	11A	11B	11C	11D	11E	11F
0	ㄱ 1100	ㅋ 1110	ㆁ 1120	ㄷ 1130	ㅌ 1140	ㅈ 1150	ㅊ 1160	ㅌ 1170	ㅍ 1180	ㅑ 1190	ㄴ 11A0	ㄹ 11B0	ㅍ 11C0	ㄹ 11D0	ㅅ 11E0	ㅇ 11F0
1	ㄱ 1101	ㅋ 1111	ㆁ 1121	ㄷ 1131	ㅌ 1141	ㅈ 1151	ㅊ 1161	ㅌ 1171	ㅍ 1181	ㅑ 1191	ㄴ 11A1	ㄹ 11B1	ㅍ 11C1	ㄹ 11D1	ㅅ 11E1	ㅇ 11F1
2	ㄴ 1102	ㅇ 1112	ㆁ 1122	ㅅ 1132	ㅆ 1142	ㅈ 1152	ㅊ 1162	ㅌ 1172	ㅍ 1182	ㅑ 1192	ㄴ 11A2	ㄹ 11B2	ㅍ 11C2	ㄹ 11D2	ㅅ 11E2	ㅇ 11F2
3	ㄷ 1103	ㅋ 1113	ㆁ 1123	ㅅ 1133	ㅆ 1143	ㅈ 1153	ㅊ 1163	ㅌ 1173	ㅍ 1183	ㅑ 11A3	ㄴ 11B3	ㄹ 11C3	ㄹ 11D3	ㅅ 11E3	ㅇ 11F3	
4	ㄷ 1104	ㄴ 1114	ㆁ 1124	ㅅ 1134	ㅆ 1144	ㅈ 1154	ㅊ 1164	ㅌ 1174	ㅍ 1184	ㅑ 1194	ㄴ 11A4	ㄹ 11B4	ㅍ 11C4	ㄹ 11D4	ㅅ 11E4	ㅇ 11F4
5	ㄷ 1105	ㄴ 1115	ㆁ 1125	ㅅ 1135	ㅆ 1145	ㅈ 1155	ㅊ 1165	ㅌ 1175	ㅍ 1185	ㅑ 1195	ㄴ 11A5	ㄹ 11B5	ㅍ 11C5	ㄹ 11D5	ㅅ 11E5	ㅇ 11F5
6	ㅍ 1106	ㅑ 1116	ㆁ 1126	ㅅ 1136	ㅆ 1146	ㅈ 1156	ㅊ 1166	ㅌ 1176	ㅍ 1186	ㅑ 1196	ㄴ 11A6	ㄹ 11B6	ㅍ 11C6	ㄹ 11D6	ㅅ 11E6	ㅇ 11F6
7	ㅍ 1107	ㅑ 1117	ㆁ 1127	ㅅ 1137	ㅆ 1147	ㅈ 1157	ㅊ 1167	ㅌ 1177	ㅍ 1187	ㅑ 1197	ㄴ 11A7	ㄹ 11B7	ㅍ 11C7	ㄹ 11D7	ㅅ 11E7	ㅇ 11F7
8	ㅍ 1108	ㅑ 1118	ㆁ 1128	ㅅ 1138	ㅆ 1148	ㅈ 1158	ㅊ 1168	ㅌ 1178	ㅍ 1188	ㅑ 1198	ㄴ 11A8	ㄹ 11B8	ㅍ 11C8	ㄹ 11D8	ㅅ 11E8	ㅇ 11F8
9	ㅍ 1109	ㅑ 1119	ㆁ 1129	ㅅ 1139	ㅆ 1149	ㅈ 1159	ㅊ 1169	ㅌ 1179	ㅍ 1189	ㅑ 1199	ㄴ 11A9	ㄹ 11B9	ㅍ 11C9	ㄹ 11D9	ㅅ 11E9	ㅇ 11F9
A	ㅅ 110A	ㅇ 111A	ㆁ 112A	ㅅ 113A	ㅆ 114A	ㅈ 115A	ㅊ 116A	ㅌ 117A	ㅍ 118A	ㅑ 119A	ㄴ 11AA	ㄹ 11BA	ㅍ 11CA	ㄹ 11DA	ㅅ 11EA	ㅇ 11FA
B	ㅇ 110B	ㅇ 111B	ㆁ 112B	ㅅ 113B	ㅆ 114B	ㅈ 115B	ㅊ 116B	ㅌ 117B	ㅍ 118B	ㅑ 119B	ㄴ 11AB	ㄹ 11BB	ㅍ 11CB	ㄹ 11DB	ㅅ 11EB	ㅇ 11FB
C	ㅈ 110C	ㅑ 111C	ㆁ 112C	ㅅ 113C	ㅆ 114C	ㅈ 115C	ㅊ 116C	ㅌ 117C	ㅍ 118C	ㅑ 119C	ㄴ 11AC	ㄹ 11BC	ㅍ 11CC	ㄹ 11DC	ㅅ 11EC	ㅇ 11FC
D	ㅈ 110D	ㅑ 111D	ㆁ 112D	ㅅ 113D	ㅆ 114D	ㅈ 115D	ㅊ 116D	ㅌ 117D	ㅍ 118D	ㅑ 119D	ㄴ 11AD	ㄹ 11BD	ㅍ 11CD	ㄹ 11DD	ㅅ 11ED	ㅇ 11FD
E	ㅅ 110E	ㅇ 111E	ㆁ 112E	ㅅ 113E	ㅆ 114E	ㅈ 115E	ㅊ 116E	ㅌ 117E	ㅍ 118E	ㅑ 119E	ㄴ 11AE	ㄹ 11BE	ㅍ 11CE	ㄹ 11DE	ㅅ 11EE	ㅇ 11FE
F	ㅋ 110F	ㆁ 111F	ㅅ 112F	ㅆ 113F	ㅈ 114F	ㅊ 115F	ㅌ 116F	ㅍ 117F	ㅑ 118F	ㅑ 119F	ㄴ 11AF	ㄹ 11BF	ㅍ 11CF	ㄹ 11DF	ㅅ 11EF	ㅇ 11FF

The aliases in this block represent the Jamo short names.

Initial consonants

1100	ㄱ	HANGUL CHOSEONG KIYEOK = G
1101	ㄲ	HANGUL CHOSEONG SSANGKIYEOK = GG
1102	ㄴ	HANGUL CHOSEONG NIEUN = N
1103	ㄷ	HANGUL CHOSEONG TIKEUT = D
1104	ㄸ	HANGUL CHOSEONG SSANGTIKEUT = DD
1105	ㄹ	HANGUL CHOSEONG RIEUL = R
1106	ㅁ	HANGUL CHOSEONG MIEUM = M
1107	ㅂ	HANGUL CHOSEONG PIEUP = B
1108	ㅃ	HANGUL CHOSEONG SSANGPIEUP = BB
1109	ㅅ	HANGUL CHOSEONG SIOS = S
110A	ㅆ	HANGUL CHOSEONG SSANGSIOS = SS
110B	ㅇ	HANGUL CHOSEONG IEUNG
110C	ㅈ	HANGUL CHOSEONG CIEUC = J
110D	ㅊ	HANGUL CHOSEONG SSANGCIEUC = JJ
110E	ㅊ	HANGUL CHOSEONG CHIEUCH = C
110F	ㅋ	HANGUL CHOSEONG KHIEUKH = K
1110	ㅌ	HANGUL CHOSEONG THIEUTH = T
1111	ㅍ	HANGUL CHOSEONG PHIEUPH = P
1112	ㅎ	HANGUL CHOSEONG HIEUH = H
1113	ㄴㅇ	HANGUL CHOSEONG NIEUN-KIYEOK
1114	ㄴㄴ	HANGUL CHOSEONG SSANGNIEUN
1115	ㄴㄷ	HANGUL CHOSEONG NIEUN-TIKEUT
1116	ㄴㅂ	HANGUL CHOSEONG NIEUN-PIEUP
1117	ㄴㅅ	HANGUL CHOSEONG TIKEUT-KIYEOK
1118	ㄴㄹ	HANGUL CHOSEONG RIEUL-NIEUN
1119	ㄴㄹ	HANGUL CHOSEONG SSANGRIEUL
111A	ㄴㅇ	HANGUL CHOSEONG RIEUL-HIEUH
111B	ㄴㅇ	HANGUL CHOSEONG KAPYEOUNRIEUL
111C	ㄴㅁ	HANGUL CHOSEONG MIEUM-PIEUP
111D	ㄴㅁ	HANGUL CHOSEONG KAPYEOUNMIEUM
111E	ㄴㅂ	HANGUL CHOSEONG PIEUP-KIYEOK
111F	ㄴㅂ	HANGUL CHOSEONG PIEUP-NIEUN
1120	ㄴㅂ	HANGUL CHOSEONG PIEUP-TIKEUT
1121	ㄴㅅ	HANGUL CHOSEONG PIEUP-SIOS
1122	ㄴㅅ	HANGUL CHOSEONG PIEUP-SIOS-KIYEOK
1123	ㄴㅅ	HANGUL CHOSEONG PIEUP-SIOS-TIKEUT
1124	ㄴㅅ	HANGUL CHOSEONG PIEUP-SIOS-PIEUP
1125	ㄴㅅ	HANGUL CHOSEONG PIEUP-SSANGSIOS
1126	ㄴㅅ	HANGUL CHOSEONG PIEUP-SIOS-CIEUC
1127	ㄴㅅ	HANGUL CHOSEONG PIEUP-CIEUC
1128	ㄴㅅ	HANGUL CHOSEONG PIEUP-CHIEUCH
1129	ㄴㅅ	HANGUL CHOSEONG PIEUP-THIEUTH
112A	ㄴㅅ	HANGUL CHOSEONG PIEUP-PHIEUPH

112B	ㅅㅇ	HANGUL CHOSEONG KAPYEOUNPIEUP
112C	ㅅㅇ	HANGUL CHOSEONG KAPYEOUNSSANGPIEUP
112D	ㅅㅅ	HANGUL CHOSEONG SIOS-KIYEOK
112E	ㅅㄴ	HANGUL CHOSEONG SIOS-NIEUN
112F	ㅅㄷ	HANGUL CHOSEONG SIOS-TIKEUT
1130	ㅅㄹ	HANGUL CHOSEONG SIOS-RIEUL
1131	ㅅㅁ	HANGUL CHOSEONG SIOS-MIEUM
1132	ㅅㅂ	HANGUL CHOSEONG SIOS-PIEUP
1133	ㅅㅂ	HANGUL CHOSEONG SIOS-PIEUP-KIYEOK
1134	ㅅㅂ	HANGUL CHOSEONG SIOS-SSANGSIOS
1135	ㅅㅇ	HANGUL CHOSEONG SIOS-IEUNG
1136	ㅅㅈ	HANGUL CHOSEONG SIOS-CIEUC
1137	ㅅㅊ	HANGUL CHOSEONG SIOS-CHIEUCH
1138	ㅅㅋ	HANGUL CHOSEONG SIOS-KHIEUKH
1139	ㅅㅌ	HANGUL CHOSEONG SIOS-THIEUTH
113A	ㅅㅍ	HANGUL CHOSEONG SIOS-PHIEUPH
113B	ㅅㅎ	HANGUL CHOSEONG SIOS-HIEUH
113C	ㅅ	HANGUL CHOSEONG CHITUEUMSIOS
113D	ㅅ	HANGUL CHOSEONG CHITUEUMSSANGSIOS
113E	ㅅ	HANGUL CHOSEONG CEONGCHIEUMSIOS
113F	ㅅ	HANGUL CHOSEONG CEONGCHIEUMSSANGSIOS
1140	ㅅ	HANGUL CHOSEONG PANSIOS
1141	ㅇㅅ	HANGUL CHOSEONG IEUNG-KIYEOK
1142	ㅇㅅ	HANGUL CHOSEONG IEUNG-TIKEUT
1143	ㅇㅅ	HANGUL CHOSEONG IEUNG-MIEUM
1144	ㅇㅅ	HANGUL CHOSEONG IEUNG-PIEUP
1145	ㅇㅅ	HANGUL CHOSEONG IEUNG-SIOS
1146	ㅇㅅ	HANGUL CHOSEONG IEUNG-PANSIOS
1147	ㅇㅅ	HANGUL CHOSEONG SSANGIEUNG
1148	ㅇㅅ	HANGUL CHOSEONG IEUNG-CIEUC
1149	ㅇㅅ	HANGUL CHOSEONG IEUNG-CHIEUCH
114A	ㅇㅅ	HANGUL CHOSEONG IEUNG-THIEUTH
114B	ㅇㅅ	HANGUL CHOSEONG IEUNG-PHIEUPH
114C	ㅇ	HANGUL CHOSEONG YESIEUNG
114D	ㅇ	HANGUL CHOSEONG CIEUC-IEUNG
114E	ㅇ	HANGUL CHOSEONG CHITUEUMCIEUC
114F	ㅇ	HANGUL CHOSEONG CHITUEUMSSANGCIEUC
1150	ㅇ	HANGUL CHOSEONG CEONGCHIEUMCIEUC
1151	ㅇ	HANGUL CHOSEONG CEONGCHIEUMSSANGCIEUC
1152	ㅇ	HANGUL CHOSEONG CHIEUCH-KHIEUKH
1153	ㅇ	HANGUL CHOSEONG CHIEUCH-HIEUH
1154	ㅇ	HANGUL CHOSEONG CHITUEUMCHIEUCH
1155	ㅇ	HANGUL CHOSEONG CEONGCHIEUMCHIEUCH
1156	ㅇ	HANGUL CHOSEONG PHIEUPH-PIEUP
1157	ㅇ	HANGUL CHOSEONG KAPYEOUNPHIEUPH
1158	ㅇ	HANGUL CHOSEONG SSANGHIEUH
1159	ㅇ	HANGUL CHOSEONG YEORINHIEUH
115A	ㅇ	HANGUL CHOSEONG KIYEOK-TIKEUT
115B	ㅇ	HANGUL CHOSEONG NIEUN-SIOS
115C	ㅇ	HANGUL CHOSEONG NIEUN-CIEUC
115D	ㅇ	HANGUL CHOSEONG NIEUN-HIEUH
115E	ㅇ	HANGUL CHOSEONG TIKEUT-RIEUL
115F	ㅇ	HANGUL CHOSEONG FILLER

Medial vowels

1160	ㅏ	HANGUL JUNGSEONG FILLER
1161	ㅑ	HANGUL JUNGSEONG A = A
1162	ㅓ	HANGUL JUNGSEONG AE = AE

1163	ㅏ	HANGUL JUNGSEONG YA = YA
1164	ㅑ	HANGUL JUNGSEONG YAE = YAE
1165	ㅓ	HANGUL JUNGSEONG EO = EO
1166	ㅕ	HANGUL JUNGSEONG E = E
1167	ㅗ	HANGUL JUNGSEONG YEO = YEO
1168	ㅛ	HANGUL JUNGSEONG YE = YE
1169	ㅜ	HANGUL JUNGSEONG O = O
116A	ㅝ	HANGUL JUNGSEONG WA = WA
116B	ㅞ	HANGUL JUNGSEONG WAE = WAE
116C	ㅟ	HANGUL JUNGSEONG OE = OE
116D	ㅠ	HANGUL JUNGSEONG YO = YO
116E	ㅢ	HANGUL JUNGSEONG U = U
116F	ㅣ	HANGUL JUNGSEONG WEO = WEO
1170	ㅤ	HANGUL JUNGSEONG WE = WE
1171	ㅦ	HANGUL JUNGSEONG WI = WI
1172	ㅨ	HANGUL JUNGSEONG YU = YU
1173	ㅩ	HANGUL JUNGSEONG EU = EU
1174	ㅫ	HANGUL JUNGSEONG YI = YI
1175	ㅬ	HANGUL JUNGSEONG I = I
1176	ㅭ	HANGUL JUNGSEONG A-O
1177	ㅮ	HANGUL JUNGSEONG A-U
1178	ㅯ	HANGUL JUNGSEONG YA-O
1179	ㅰ	HANGUL JUNGSEONG YA-YO
117A	ㅱ	HANGUL JUNGSEONG EO-O
117B	ㅲ	HANGUL JUNGSEONG EO-U
117C	ㅳ	HANGUL JUNGSEONG EO-EU
117D	ㅴ	HANGUL JUNGSEONG YEO-O
117E	ㅵ	HANGUL JUNGSEONG YEO-U
117F	ㅶ	HANGUL JUNGSEONG O-EO
1180	ㅷ	HANGUL JUNGSEONG O-E
1181	ㅸ	HANGUL JUNGSEONG O-YE
1182	ㅹ	HANGUL JUNGSEONG O-O
1183	ㅺ	HANGUL JUNGSEONG O-U
1184	ㅻ	HANGUL JUNGSEONG YO-YA
1185	ㅼ	HANGUL JUNGSEONG YO-YAE
1186	ㅽ	HANGUL JUNGSEONG YO-YEO
1187	ㅾ	HANGUL JUNGSEONG YO-O
1188	ㅿ	HANGUL JUNGSEONG YO-I
1189	ㅿ	HANGUL JUNGSEONG U-A
118A	ㅿ	HANGUL JUNGSEONG U-AE
118B	ㅿ	HANGUL JUNGSEONG U-EO-EU
118C	ㅿ	HANGUL JUNGSEONG U-YE
118D	ㅿ	HANGUL JUNGSEONG U-U
118E	ㅿ	HANGUL JUNGSEONG YU-A

118F	ㅿ	HANGUL JUNGSEONG YU-EO
1190	ㅿ	HANGUL JUNGSEONG YU-E
1191	ㅿ	HANGUL JUNGSEONG YU-YEO
1192	ㅿ	HANGUL JUNGSEONG YU-YE
1193	ㅿ	HANGUL JUNGSEONG YU-U
1194	ㅿ	HANGUL JUNGSEONG YU-I
1195	ㅿ	HANGUL JUNGSEONG EU-U
1196	ㅿ	HANGUL JUNGSEONG EU-EU
1197	ㅿ	HANGUL JUNGSEONG YI-U
1198	ㅿ	HANGUL JUNGSEONG I-A
1199	ㅿ	HANGUL JUNGSEONG I-YA
119A	ㅿ	HANGUL JUNGSEONG I-O
119B	ㅿ	HANGUL JUNGSEONG I-U
119C	ㅿ	HANGUL JUNGSEONG I-EU
119D	ㅿ	HANGUL JUNGSEONG I-ARAEA
119E	ㅿ	HANGUL JUNGSEONG ARAEA
119F	ㅿ	HANGUL JUNGSEONG ARAEA-EO
11A0	ㅿ	HANGUL JUNGSEONG ARAEA-U
11A1	ㅿ	HANGUL JUNGSEONG ARAEA-I
11A2	ㅿ	HANGUL JUNGSEONG SSANGARAEA
11A3	ㅿ	HANGUL JUNGSEONG A-EU
11A4	ㅿ	HANGUL JUNGSEONG YA-U
11A5	ㅿ	HANGUL JUNGSEONG YEO-YA
11A6	ㅿ	HANGUL JUNGSEONG O-YA
11A7	ㅿ	HANGUL JUNGSEONG O-YAE

Final consonants

11A8	ㅿ	HANGUL JONGSEONG KIYEOK = G
11A9	ㅿ	HANGUL JONGSEONG SSANGKIYEOK = GG
11AA	ㅿ	HANGUL JONGSEONG KIYEOK-SIOS = GS
11AB	ㅿ	HANGUL JONGSEONG NIEUN = N
11AC	ㅿ	HANGUL JONGSEONG NIEUN-CIEUC = NJ
11AD	ㅿ	HANGUL JONGSEONG NIEUN-HIEUH = NH
11AE	ㅿ	HANGUL JONGSEONG TIKIYOK = D
11AF	ㅿ	HANGUL JONGSEONG RIEUL = L
11B0	ㅿ	HANGUL JONGSEONG RIEUL-KIYEOK = LG
11B1	ㅿ	HANGUL JONGSEONG RIEUL-MIEUM = LM
11B2	ㅿ	HANGUL JONGSEONG RIEUL-PIEUP = LB
11B3	ㅿ	HANGUL JONGSEONG RIEUL-SIOS = LS
11B4	ㅿ	HANGUL JONGSEONG RIEUL-THIEUTH = LT
11B5	ㅿ	HANGUL JONGSEONG RIEUL-PHIEUPH = LP
11B6	ㅿ	HANGUL JONGSEONG RIEUL-HIEUH = LH
11B7	ㅿ	HANGUL JONGSEONG MIEUM = M
11B8	ㅿ	HANGUL JONGSEONG PIEUP = B
11B9	ㅿ	HANGUL JONGSEONG PIEUP-SIOS = BS

11BA

Hangul Jamo

11FF

11BA	ㅅ	HANGUL JONGSEONG SIOS = S	11EE	ㅍ	HANGUL JONGSEONG SSANGIEUNG = ssangyesieung
11BB	ㅆ	HANGUL JONGSEONG SSANGSIOS = SS	11EF	ㅇ	HANGUL JONGSEONG IEUNG-KHIEUKH = yesieung-khieukh
11BC	ㅇ	HANGUL JONGSEONG IEUNG = NG	11F0	ㅇ	HANGUL JONGSEONG YESIEUNG
11BD	ㅈ	HANGUL JONGSEONG CIEUC = J	11F1	ㅇㅅ	HANGUL JONGSEONG YESIEUNG-SIOS
11BE	ㅊ	HANGUL JONGSEONG CHIEUCH = C	11F2	ㅇㅆ	HANGUL JONGSEONG YESIEUNG-PANSIOS
11BF	ㅋ	HANGUL JONGSEONG KHIEUKH = K	11F3	ㅍㅅ	HANGUL JONGSEONG PHIEUPH-PIEUP
11C0	ㅌ	HANGUL JONGSEONG THIEUTH = T	11F4	ㅍㅆ	HANGUL JONGSEONG KAPYEOUNPHIEUPH
11C1	ㅍ	HANGUL JONGSEONG PHIEUPH = P	11F5	ㅅㄴ	HANGUL JONGSEONG HIEUH-NIEUN
11C2	ㅎ	HANGUL JONGSEONG HIEUH = H	11F6	ㅅㅇ	HANGUL JONGSEONG HIEUH-RIEUL
11C3	ㅈㅇ	HANGUL JONGSEONG KIYEOK-RIEUL	11F7	ㅅㅌ	HANGUL JONGSEONG HIEUH-MIEUM
11C4	ㅆㅇ	HANGUL JONGSEONG KIYEOK-SIOS-KIYEOK	11F8	ㅅㅆ	HANGUL JONGSEONG HIEUH-PIEUP
11C5	ㄴㅇ	HANGUL JONGSEONG NIEUN-KIYEOK	11F9	ㅇ	HANGUL JONGSEONG YEORINHIEUH
11C6	ㄴㅌ	HANGUL JONGSEONG NIEUN-TIKEUT	11FA	ㅇㅅ	HANGUL JONGSEONG KIYEOK-NIEUN
11C7	ㄴㅅ	HANGUL JONGSEONG NIEUN-SIOS	11FB	ㅇㅆ	HANGUL JONGSEONG KIYEOK-PIEUP
11C8	ㄴㅆ	HANGUL JONGSEONG NIEUN-PANSIOS	11FC	ㅌㅅ	HANGUL JONGSEONG KIYEOK-KHIEUKH
11C9	ㄴㅇ	HANGUL JONGSEONG NIEUN-THIEUTH	11FD	ㅌㅆ	HANGUL JONGSEONG KIYEOK-HIEUH
11CA	ㅌㅇ	HANGUL JONGSEONG TIKEUT-KIYEOK	11FE	ㅌㅅ	HANGUL JONGSEONG KIYEOK-HIEUH
11CB	ㅌㅌ	HANGUL JONGSEONG TIKEUT-RIEUL	11FF	ㄴㄴ	HANGUL JONGSEONG SSANGNIEUN
11CC	ㅌㅆ	HANGUL JONGSEONG RIEUL-KIYEOK-SIOS			
11CD	ㄴㄴ	HANGUL JONGSEONG RIEUL-NIEUN			
11CE	ㄴㅌ	HANGUL JONGSEONG RIEUL-TIKEUT			
11CF	ㄴㅅ	HANGUL JONGSEONG RIEUL-TIKEUT-HIEUH			
11D0	ㄴㅇ	HANGUL JONGSEONG SSANGRIEUL			
11D1	ㅍㅌ	HANGUL JONGSEONG RIEUL-MIEUM-KIYEOK			
11D2	ㅍㅅ	HANGUL JONGSEONG RIEUL-MIEUM-SIOS			
11D3	ㅍㅆ	HANGUL JONGSEONG RIEUL-PIEUP-SIOS			
11D4	ㅍㅅ	HANGUL JONGSEONG RIEUL-PIEUP-HIEUH			
11D5	ㅍㅆ	HANGUL JONGSEONG RIEUL-KAPYEOUNPIEUP			
11D6	ㅍㅅ	HANGUL JONGSEONG RIEUL-SSANGSIOS			
11D7	ㅍㅆ	HANGUL JONGSEONG RIEUL-PANSIOS			
11D8	ㅍㅇ	HANGUL JONGSEONG RIEUL-KHIEUKH			
11D9	ㅍㅅ	HANGUL JONGSEONG RIEUL-YEORINHIEUH			
11DA	ㅍㅌ	HANGUL JONGSEONG MIEUM-KIYEOK			
11DB	ㅍㅅ	HANGUL JONGSEONG MIEUM-RIEUL			
11DC	ㅍㅆ	HANGUL JONGSEONG MIEUM-PIEUP			
11DD	ㅍㅅ	HANGUL JONGSEONG MIEUM-SIOS			
11DE	ㅍㅆ	HANGUL JONGSEONG MIEUM-SSANGSIOS			
11DF	ㅍㅅ	HANGUL JONGSEONG MIEUM-PANSIOS			
11E0	ㅍㅆ	HANGUL JONGSEONG MIEUM-CHIEUCH			
11E1	ㅍㅅ	HANGUL JONGSEONG MIEUM-HIEUH			
11E2	ㅍ	HANGUL JONGSEONG KAPYEOUNMIEUM			
11E3	ㅍㅌ	HANGUL JONGSEONG PIEUP-RIEUL			
11E4	ㅍㅅ	HANGUL JONGSEONG PIEUP-PHIEUPH			
11E5	ㅍㅆ	HANGUL JONGSEONG PIEUP-HIEUH			
11E6	ㅍㅆ	HANGUL JONGSEONG KAPYEOUNPIEUP			
11E7	ㅅ	HANGUL JONGSEONG SIOS-KIYEOK			
11E8	ㅅㅌ	HANGUL JONGSEONG SIOS-TIKEUT			
11E9	ㅅㅅ	HANGUL JONGSEONG SIOS-RIEUL			
11EA	ㅅㅆ	HANGUL JONGSEONG SIOS-PIEUP			
11EB	ㅅ	HANGUL JONGSEONG PANSIOS			
11EC	ㅇ	HANGUL JONGSEONG IEUNG-KIYEOK = yesieung-kiyeok			
11ED	ㅇ	HANGUL JONGSEONG IEUNG-SSANGKIYEOK = yesieung-ssangkiyeok			

	120	121	122	123	124	125	126	127	128	129	12A	12B
0	ሀ 1200	ሐ 1210	ሠ 1220	ሰ 1230	ቀ 1240	ቆ 1250	በ 1260	ተ 1270	ኅ 1280	ነ 1290	አ 12A0	ኰ 12B0
1	ሁ 1201	ሐ 1211	ሠ 1221	ሰ 1231	ቁ 1241	ቆ 1251	ቡ 1261	ቱ 1271	ኅ 1281	ነ 1291	አ 12A1	
2	ሂ 1202	ሐ 1212	ሠ 1222	ሰ 1232	ቁ 1242	ቆ 1252	ቢ 1262	ቲ 1272	ኅ 1282	ነ 1292	አ 12A2	ኰ 12B2
3	ሃ 1203	ሐ 1213	ሠ 1223	ሰ 1233	ቃ 1243	ቆ 1253	ባ 1263	ታ 1273	ኅ 1283	ነ 1293	አ 12A3	ኳ 12B3
4	ሄ 1204	ሐ 1214	ሠ 1224	ሰ 1234	ቁ 1244	ቆ 1254	ቤ 1264	ቲ 1274	ኅ 1284	ነ 1294	አ 12A4	ኴ 12B4
5	ሀ 1205	ሐ 1215	ሠ 1225	ሰ 1235	ቅ 1245	ቆ 1255	ብ 1265	ቶ 1275	ኅ 1285	ነ 1295	አ 12A5	ኸ 12B5
6	ሆ 1206	ሐ 1216	ሠ 1226	ሰ 1236	ቆ 1246	ቆ 1256	ቦ 1266	ቶ 1276	ኅ 1286	ነ 1296	አ 12A6	
7	ሆ 1207	ሐ 1217	ሠ 1227	ሰ 1237	ቆ 1247		ቦ 1267	ቶ 1277	ኅ 1287	ነ 1297	አ 12A7	
8	ለ 1208	መ 1218	ረ 1228	ሸ 1238	ቁ 1248	ቆ 1258	ቨ 1268	ቸ 1278	ኅ 1288	ነ 1298	አ 12A8	ኸ 12B8
9	ሉ 1209	መ 1219	ረ 1229	ሸ 1239			ቨ 1269	ቸ 1279	ኅ 1289	ነ 1299	አ 12A9	ኸ 12B9
A	ሊ 120A	መ 121A	ረ 122A	ሸ 123A	ቁ 124A	ቆ 125A	ቨ 126A	ቸ 127A	ኅ 128A	ነ 129A	አ 12AA	ኸ 12BA
B	ላ 120B	መ 121B	ረ 122B	ሸ 123B	ቁ 124B	ቆ 125B	ቨ 126B	ቸ 127B	ኅ 128B	ነ 129B	አ 12AB	ኸ 12BB
C	ሌ 120C	መ 121C	ረ 122C	ሸ 123C	ቁ 124C	ቆ 125C	ቨ 126C	ቸ 127C	ኅ 128C	ነ 129C	አ 12AC	ኸ 12BC
D	ል 120D	መ 121D	ረ 122D	ሸ 123D	ቁ 124D	ቆ 125D	ቨ 126D	ቸ 127D	ኅ 128D	ነ 129D	አ 12AD	ኸ 12BD
E	ሎ 120E	መ 121E	ረ 122E	ሸ 123E			ቨ 126E	ቸ 127E	ኅ 128E	ነ 129E	አ 12AE	ኸ 12BE
F	ሊ 120F	መ 121F	ረ 122F	ሸ 123F			ቦ 126F	ቶ 127F	ኅ 128F	ነ 129F	አ 12AF	

	12C	12D	12E	12F	130	131	132	133	134	135	136	137
0	ሎ 12C0	ዐ 12D0	ዡ 12E0	ደ 12F0	ጀ 1300	ጐ 1310	ጠ 1320	ጳ 1330	ፀ 1340	ፐ 1350	✳ 1360	፰ 1370
1		ዑ 12D1	ዢ 12E1	ደ 12F1	ጀ 1301		ጡ 1321	ጴ 1331	ፁ 1341	ፑ 1351	፣ 1361	፹ 1371
2	ሎ 12C2	ዒ 12D2	ዣ 12E2	ደ 12F2	ጀ 1302	ጒ 1312	ጢ 1322	ጵ 1332	ፊ 1342	ፒ 1352	፥ 1362	፺ 1372
3	ሏ 12C3	ዓ 12D3	ዤ 12E3	ደ 12F3	ጀ 1303	ጓ 1313	ጣ 1323	ጶ 1333	ፋ 1343	ፓ 1353	፤ 1363	፻ 1373
4	ሐ 12C4	ዒ 12D4	ዥ 12E4	ደ 12F4	ጀ 1304	ጔ 1314	ጤ 1324	ጷ 1334	ፈ 1344	ፔ 1354	፧ 1364	፼ 1374
5	ሑ 12C5	ዕ 12D5	ዦ 12E5	ደ 12F5	ጀ 1305	ጕ 1315	ጥ 1325	ጸ 1335	ፈ 1345	ፕ 1355	፨ 1365	፽ 1375
6		ዖ 12D6	ዦ 12E6	ደ 12F6	ጀ 1306		ጦ 1326	ጹ 1336	ዖ 1346	ፖ 1356	፩ 1366	፿ 1376
7			ዦ 12E7	ደ 12F7	ጀ 1307		ጧ 1327	ጺ 1337	ዖ 1347	ፑ 1357	፪ 1367	፿ 1377
8	ወ 12C8	ዘ 12D8	ዩ 12E8	ደ 12F8	ገ 1308	ኀ 1318	ጨ 1328	ዳ 1338	ፈ 1348	ሯ 1358	፫ 1368	፽ 1378
9	ዉ 12C9	ዘ 12D9	ዩ 12E9	ደ 12F9	ገ 1309	ኀ 1319	ጨ 1329	ዳ 1339	ፈ 1349	ሰ 1359	፬ 1369	፿ 1379
A	ደ 12CA	ዘ 12DA	ዩ 12EA	ደ 12FA	ገ 130A	ኀ 131A	ጨ 132A	ዳ 133A	ፈ 134A	ሰ 135A	፭ 136A	፿ 137A
B	ደ 12CB	ዘ 12DB	ዩ 12EB	ደ 12FB	ገ 130B	ኀ 131B	ጨ 132B	ዳ 133B	ፈ 134B		፮ 136B	፿ 137B
C	ደ 12CC	ዘ 12DC	ዩ 12EC	ደ 12FC	ገ 130C	ኀ 131C	ጨ 132C	ዳ 133C	ፈ 134C		፯ 136C	፿ 137C
D	ደ 12CD	ዘ 12DD	ዩ 12ED	ደ 12FD	ገ 130D	ኀ 131D	ጨ 132D	ዳ 133D	ፈ 134D	፰ 135D	፮ 136D	
E	ደ 12CE	ዘ 12DE	ዩ 12EE	ደ 12FE	ገ 130E	ኀ 131E	ጨ 132E	ዳ 133E	ፈ 134E	፱ 135E	፯ 136E	
F	ደ 12CF	ዘ 12DF	ዩ 12EF	ደ 12FF	ገ 130F	ኀ 131F	ጨ 132F	ዳ 133F	ፈ 134F	፲ 135F	፯ 136F	

Syllables

1200	ሀ	ETHIOPIC SYLLABLE HA	123C	ሸ	ETHIOPIC SYLLABLE SHEE
1201	ሁ	ETHIOPIC SYLLABLE HU	123D	ሸ	ETHIOPIC SYLLABLE SHE
1202	ሂ	ETHIOPIC SYLLABLE HI	123E	ሸ	ETHIOPIC SYLLABLE SHO
1203	ሃ	ETHIOPIC SYLLABLE HAA	123F	ሸ	ETHIOPIC SYLLABLE SHWA
1204	ሄ	ETHIOPIC SYLLABLE HEE	1240	ቀ	ETHIOPIC SYLLABLE QA
1205	ህ	ETHIOPIC SYLLABLE HE	1241	ቁ	ETHIOPIC SYLLABLE QU
1206	ሆ	ETHIOPIC SYLLABLE HO	1242	ቂ	ETHIOPIC SYLLABLE QI
1207	ሐ	ETHIOPIC SYLLABLE HOA	1243	ቃ	ETHIOPIC SYLLABLE QAA
1208	ለ	ETHIOPIC SYLLABLE LA	1244	ቄ	ETHIOPIC SYLLABLE QEE
1209	ሉ	ETHIOPIC SYLLABLE LU	1245	ቅ	ETHIOPIC SYLLABLE QE
120A	ሊ	ETHIOPIC SYLLABLE LI	1246	ቆ	ETHIOPIC SYLLABLE QO
120B	ላ	ETHIOPIC SYLLABLE LAA	1247	ቇ	ETHIOPIC SYLLABLE QOA
120C	ሌ	ETHIOPIC SYLLABLE LEE	1248	ቈ	ETHIOPIC SYLLABLE QWA
120D	ል	ETHIOPIC SYLLABLE LE	1249	ⓧ	<reserved>
120E	ሎ	ETHIOPIC SYLLABLE LO	124A	ቀ	ETHIOPIC SYLLABLE QWI
120F	ሏ	ETHIOPIC SYLLABLE LWA	124B	ቁ	ETHIOPIC SYLLABLE QWAA
1210	ሐ	ETHIOPIC SYLLABLE HHA	124C	ቂ	ETHIOPIC SYLLABLE QWEE
1211	ሐ	ETHIOPIC SYLLABLE HHU	124D	ቃ	ETHIOPIC SYLLABLE QWE
1212	ሐ	ETHIOPIC SYLLABLE HHI	124E	ⓧ	<reserved>
1213	ሐ	ETHIOPIC SYLLABLE HHAA	124F	ⓧ	<reserved>
1214	ሐ	ETHIOPIC SYLLABLE HHEE	1250	ቆ	ETHIOPIC SYLLABLE QHA
1215	ሐ	ETHIOPIC SYLLABLE HHE	1251	ቆ	ETHIOPIC SYLLABLE QHU
1216	ሐ	ETHIOPIC SYLLABLE HHO	1252	ቆ	ETHIOPIC SYLLABLE QHI
1217	ሐ	ETHIOPIC SYLLABLE HHWA	1253	ቆ	ETHIOPIC SYLLABLE QHAA
1218	መ	ETHIOPIC SYLLABLE MA	1254	ቆ	ETHIOPIC SYLLABLE QHEE
1219	ሙ	ETHIOPIC SYLLABLE MU	1255	ቆ	ETHIOPIC SYLLABLE QHE
121A	ማ	ETHIOPIC SYLLABLE MI	1256	ቆ	ETHIOPIC SYLLABLE QHO
121B	ማ	ETHIOPIC SYLLABLE MAA	1257	ⓧ	<reserved>
121C	ሜ	ETHIOPIC SYLLABLE MEE	1258	ቆ	ETHIOPIC SYLLABLE QHWA
121D	ም	ETHIOPIC SYLLABLE ME	1259	ⓧ	<reserved>
121E	ሞ	ETHIOPIC SYLLABLE MO	125A	ቆ	ETHIOPIC SYLLABLE QHWI
121F	ሟ	ETHIOPIC SYLLABLE MWA	125B	ቆ	ETHIOPIC SYLLABLE QHWAA
1220	ሠ	ETHIOPIC SYLLABLE SZA	125C	ቆ	ETHIOPIC SYLLABLE QHWEE
1221	ሠ	ETHIOPIC SYLLABLE SZU	125D	ቆ	ETHIOPIC SYLLABLE QHWE
1222	ሠ	ETHIOPIC SYLLABLE SZI	125E	ⓧ	<reserved>
1223	ሠ	ETHIOPIC SYLLABLE SZAA	125F	ⓧ	<reserved>
1224	ሠ	ETHIOPIC SYLLABLE SZEE	1260	በ	ETHIOPIC SYLLABLE BA
1225	ሠ	ETHIOPIC SYLLABLE SZE	1261	በ	ETHIOPIC SYLLABLE BU
1226	ሠ	ETHIOPIC SYLLABLE SZO	1262	በ	ETHIOPIC SYLLABLE BI
1227	ሠ	ETHIOPIC SYLLABLE SZWA	1263	ባ	ETHIOPIC SYLLABLE BAA
1228	ረ	ETHIOPIC SYLLABLE RA	1264	ቤ	ETHIOPIC SYLLABLE BEE
1229	ሩ	ETHIOPIC SYLLABLE RU	1265	ብ	ETHIOPIC SYLLABLE BE
122A	ሪ	ETHIOPIC SYLLABLE RI	1266	ቦ	ETHIOPIC SYLLABLE BO
122B	ሪ	ETHIOPIC SYLLABLE RAA	1267	ቦ	ETHIOPIC SYLLABLE BWA
122C	ሪ	ETHIOPIC SYLLABLE REE	1268	ቦ	ETHIOPIC SYLLABLE VA
122D	ሪ	ETHIOPIC SYLLABLE RE	1269	ቦ	ETHIOPIC SYLLABLE VU
122E	ሪ	ETHIOPIC SYLLABLE RO	126A	ቦ	ETHIOPIC SYLLABLE VI
122F	ሪ	ETHIOPIC SYLLABLE RWA	126B	ቦ	ETHIOPIC SYLLABLE VAA
1230	ሰ	ETHIOPIC SYLLABLE SA	126C	ቦ	ETHIOPIC SYLLABLE VEE
1231	ሰ	ETHIOPIC SYLLABLE SU	126D	ቦ	ETHIOPIC SYLLABLE VE
1232	ሰ	ETHIOPIC SYLLABLE SI	126E	ቦ	ETHIOPIC SYLLABLE VO
1233	ሰ	ETHIOPIC SYLLABLE SAA	126F	ቦ	ETHIOPIC SYLLABLE VWA
1234	ሰ	ETHIOPIC SYLLABLE SEE	1270	ተ	ETHIOPIC SYLLABLE TA
1235	ሰ	ETHIOPIC SYLLABLE SE	1271	ተ	ETHIOPIC SYLLABLE TU
1236	ሰ	ETHIOPIC SYLLABLE SO	1272	ተ	ETHIOPIC SYLLABLE TI
1237	ሰ	ETHIOPIC SYLLABLE SWA	1273	ተ	ETHIOPIC SYLLABLE TAA
1238	ሸ	ETHIOPIC SYLLABLE SHA	1274	ተ	ETHIOPIC SYLLABLE TEE
1239	ሸ	ETHIOPIC SYLLABLE SHU	1275	ተ	ETHIOPIC SYLLABLE TE
123A	ሸ	ETHIOPIC SYLLABLE SHI	1276	ተ	ETHIOPIC SYLLABLE TO
123B	ሸ	ETHIOPIC SYLLABLE SHAA	1277	ተ	ETHIOPIC SYLLABLE TWA
			1278	ተ	ETHIOPIC SYLLABLE CA
			1279	ተ	ETHIOPIC SYLLABLE CU

127A	ቸ	ETHIOPIC SYLLABLE CI	12B8	ኸ	ETHIOPIC SYLLABLE KXA
127B	ቻ	ETHIOPIC SYLLABLE CAA	12B9	ኹ	ETHIOPIC SYLLABLE KXU
127C	ቼ	ETHIOPIC SYLLABLE CEE	12BA	ኺ	ETHIOPIC SYLLABLE KXI
127D	ቾ	ETHIOPIC SYLLABLE CE	12BB	ኻ	ETHIOPIC SYLLABLE KXAA
127E	ቿ	ETHIOPIC SYLLABLE CO	12BC	ኼ	ETHIOPIC SYLLABLE KXEE
127F	ተ	ETHIOPIC SYLLABLE CWA	12BD	ኽ	ETHIOPIC SYLLABLE KXE
1280	ሀ	ETHIOPIC SYLLABLE XA	12BE	ኾ	ETHIOPIC SYLLABLE KXO
1281	ሁ	ETHIOPIC SYLLABLE XU	12BF	◻	<reserved>
1282	ሂ	ETHIOPIC SYLLABLE XI	12C0	ኻ	ETHIOPIC SYLLABLE KXWA
1283	ሃ	ETHIOPIC SYLLABLE XAA	12C1	◻	<reserved>
1284	ሄ	ETHIOPIC SYLLABLE XEE	12C2	ኼ	ETHIOPIC SYLLABLE KXWI
1285	ህ	ETHIOPIC SYLLABLE XE	12C3	ኻ	ETHIOPIC SYLLABLE KXWAA
1286	ሆ	ETHIOPIC SYLLABLE XO	12C4	ኼ	ETHIOPIC SYLLABLE KXWEE
1287	ሇ	ETHIOPIC SYLLABLE XOA	12C5	ኾ	ETHIOPIC SYLLABLE KXWE
1288	ለ	ETHIOPIC SYLLABLE XWA	12C6	◻	<reserved>
1289	◻	<reserved>	12C7	◻	<reserved>
128A	ሉ	ETHIOPIC SYLLABLE XWI	12C8	ወ	ETHIOPIC SYLLABLE WA
128B	ሐ	ETHIOPIC SYLLABLE XWAA	12C9	ዐ	ETHIOPIC SYLLABLE WU
128C	ሑ	ETHIOPIC SYLLABLE XWEE	12CA	ዑ	ETHIOPIC SYLLABLE WI
128D	ሒ	ETHIOPIC SYLLABLE XWE	12CB	ዒ	ETHIOPIC SYLLABLE WAA
128E	◻	<reserved>	12CC	ዓ	ETHIOPIC SYLLABLE WEE
128F	◻	<reserved>	12CD	ዑ	ETHIOPIC SYLLABLE WE
1290	ነ	ETHIOPIC SYLLABLE NA	12CE	ዐ	ETHIOPIC SYLLABLE WO
1291	ኀ	ETHIOPIC SYLLABLE NU	12CF	ዑ	ETHIOPIC SYLLABLE WOA
1292	ኁ	ETHIOPIC SYLLABLE NI	12D0	ዐ	ETHIOPIC SYLLABLE PHARYNGEAL A
1293	ኂ	ETHIOPIC SYLLABLE NAA	12D1	ዑ	ETHIOPIC SYLLABLE PHARYNGEAL U
1294	ኃ	ETHIOPIC SYLLABLE NEE	12D2	ኁ	ETHIOPIC SYLLABLE PHARYNGEAL I
1295	ኄ	ETHIOPIC SYLLABLE NE	12D3	ኂ	ETHIOPIC SYLLABLE PHARYNGEAL AA
1296	ኅ	ETHIOPIC SYLLABLE NO	12D4	ኃ	ETHIOPIC SYLLABLE PHARYNGEAL EE
1297	ኆ	ETHIOPIC SYLLABLE NWA	12D5	ዐ	ETHIOPIC SYLLABLE PHARYNGEAL E
1298	ኇ	ETHIOPIC SYLLABLE NYA	12D6	ዑ	ETHIOPIC SYLLABLE PHARYNGEAL O
1299	ኈ	ETHIOPIC SYLLABLE NYU	12D7	◻	<reserved>
129A	኉	ETHIOPIC SYLLABLE NYI	12D8	ዘ	ETHIOPIC SYLLABLE ZA
129B	ኰ	ETHIOPIC SYLLABLE NYAA	12D9	ዙ	ETHIOPIC SYLLABLE ZU
129C	኱	ETHIOPIC SYLLABLE NYEE	12DA	ዘ	ETHIOPIC SYLLABLE ZI
129D	ኲ	ETHIOPIC SYLLABLE NYE	12DB	ዘ	ETHIOPIC SYLLABLE ZAA
129E	ኳ	ETHIOPIC SYLLABLE NYO	12DC	ዘ	ETHIOPIC SYLLABLE ZEE
129F	ኴ	ETHIOPIC SYLLABLE NYWA	12DD	ዘ	ETHIOPIC SYLLABLE ZE
12A0	አ	ETHIOPIC SYLLABLE GLOTTAL A	12DE	ዘ	ETHIOPIC SYLLABLE ZO
12A1	ኡ	ETHIOPIC SYLLABLE GLOTTAL U	12DF	ዘ	ETHIOPIC SYLLABLE ZWA
12A2	ኢ	ETHIOPIC SYLLABLE GLOTTAL I	12E0	ዘ	ETHIOPIC SYLLABLE ZHA
12A3	ኣ	ETHIOPIC SYLLABLE GLOTTAL AA	12E1	ዘ	ETHIOPIC SYLLABLE ZHU
12A4	ኤ	ETHIOPIC SYLLABLE GLOTTAL EE	12E2	ዘ	ETHIOPIC SYLLABLE ZHI
12A5	አ	ETHIOPIC SYLLABLE GLOTTAL E	12E3	ዘ	ETHIOPIC SYLLABLE ZHAA
12A6	ኦ	ETHIOPIC SYLLABLE GLOTTAL O	12E4	ዘ	ETHIOPIC SYLLABLE ZHEE
12A7	ኦ	ETHIOPIC SYLLABLE GLOTTAL WA	12E5	ዘ	ETHIOPIC SYLLABLE ZHE
12A8	ከ	ETHIOPIC SYLLABLE KA	12E6	ዘ	ETHIOPIC SYLLABLE ZHO
12A9	ከ	ETHIOPIC SYLLABLE KU	12E7	ዘ	ETHIOPIC SYLLABLE ZHWA
12AA	ከ	ETHIOPIC SYLLABLE KI	12E8	የ	ETHIOPIC SYLLABLE YA
12AB	ከ	ETHIOPIC SYLLABLE KAA	12E9	የ	ETHIOPIC SYLLABLE YU
12AC	ከ	ETHIOPIC SYLLABLE KEE	12EA	የ	ETHIOPIC SYLLABLE YI
12AD	ከ	ETHIOPIC SYLLABLE KE	12EB	የ	ETHIOPIC SYLLABLE YAA
12AE	ከ	ETHIOPIC SYLLABLE KO	12EC	የ	ETHIOPIC SYLLABLE YEE
12AF	ከ	ETHIOPIC SYLLABLE KOA	12ED	የ	ETHIOPIC SYLLABLE YE
12B0	ከ	ETHIOPIC SYLLABLE KWA	12EE	የ	ETHIOPIC SYLLABLE YO
12B1	◻	<reserved>	12EF	የ	ETHIOPIC SYLLABLE YOA
12B2	ከ	ETHIOPIC SYLLABLE KWI	12F0	ደ	ETHIOPIC SYLLABLE DA
12B3	ከ	ETHIOPIC SYLLABLE KWAA	12F1	ደ	ETHIOPIC SYLLABLE DU
12B4	ከ	ETHIOPIC SYLLABLE KWEE	12F2	ደ	ETHIOPIC SYLLABLE DI
12B5	ከ	ETHIOPIC SYLLABLE KWE	12F3	ደ	ETHIOPIC SYLLABLE DAA
12B6	◻	<reserved>	12F4	ደ	ETHIOPIC SYLLABLE DEE
12B7	◻	<reserved>	12F5	ደ	ETHIOPIC SYLLABLE DE

12F6	ዶ	ETHIOPIC SYLLABLE DO
12F7	ደ	ETHIOPIC SYLLABLE DWA
12F8	ደ	ETHIOPIC SYLLABLE DDA
12F9	ደ	ETHIOPIC SYLLABLE DDU
12FA	ደ	ETHIOPIC SYLLABLE DDI
12FB	ደ	ETHIOPIC SYLLABLE DDAA
12FC	ደ	ETHIOPIC SYLLABLE DDEE
12FD	ደ	ETHIOPIC SYLLABLE DDE
12FE	ደ	ETHIOPIC SYLLABLE DDO
12FF	ደ	ETHIOPIC SYLLABLE DDWA
1300	ገ	ETHIOPIC SYLLABLE JA
1301	ገ	ETHIOPIC SYLLABLE JU
1302	ገ	ETHIOPIC SYLLABLE JI
1303	ገ	ETHIOPIC SYLLABLE JAA
1304	ገ	ETHIOPIC SYLLABLE JEE
1305	ገ	ETHIOPIC SYLLABLE JE
1306	ገ	ETHIOPIC SYLLABLE JO
1307	ገ	ETHIOPIC SYLLABLE JWA
1308	ገ	ETHIOPIC SYLLABLE GA
1309	ገ	ETHIOPIC SYLLABLE GU
130A	ገ	ETHIOPIC SYLLABLE GI
130B	ገ	ETHIOPIC SYLLABLE GAA
130C	ገ	ETHIOPIC SYLLABLE GEE
130D	ገ	ETHIOPIC SYLLABLE GE
130E	ገ	ETHIOPIC SYLLABLE GO
130F	ገ	ETHIOPIC SYLLABLE GOA
1310	ገ	ETHIOPIC SYLLABLE GWA
1311	◻	<reserved>
1312	ገ	ETHIOPIC SYLLABLE GWI
1313	ገ	ETHIOPIC SYLLABLE GWAA
1314	ገ	ETHIOPIC SYLLABLE GWEE
1315	ገ	ETHIOPIC SYLLABLE GWE
1316	◻	<reserved>
1317	◻	<reserved>
1318	ገ	ETHIOPIC SYLLABLE GGA
1319	ገ	ETHIOPIC SYLLABLE GGU
131A	ገ	ETHIOPIC SYLLABLE GGI
131B	ገ	ETHIOPIC SYLLABLE GGAA
131C	ገ	ETHIOPIC SYLLABLE GGEE
131D	ገ	ETHIOPIC SYLLABLE GGE
131E	ገ	ETHIOPIC SYLLABLE GGO
131F	ገ	ETHIOPIC SYLLABLE GGWAA
1320	ገ	ETHIOPIC SYLLABLE THA
1321	ገ	ETHIOPIC SYLLABLE THU
1322	ገ	ETHIOPIC SYLLABLE THI
1323	ገ	ETHIOPIC SYLLABLE THAA
1324	ገ	ETHIOPIC SYLLABLE THEE
1325	ገ	ETHIOPIC SYLLABLE THE
1326	ገ	ETHIOPIC SYLLABLE THO
1327	ገ	ETHIOPIC SYLLABLE THWA
1328	ገ	ETHIOPIC SYLLABLE CHA
1329	ገ	ETHIOPIC SYLLABLE CHU
132A	ገ	ETHIOPIC SYLLABLE CHI
132B	ገ	ETHIOPIC SYLLABLE CHAA
132C	ገ	ETHIOPIC SYLLABLE CHEE
132D	ገ	ETHIOPIC SYLLABLE CHE
132E	ገ	ETHIOPIC SYLLABLE CHO
132F	ገ	ETHIOPIC SYLLABLE CHWA
1330	ገ	ETHIOPIC SYLLABLE PHA
1331	ገ	ETHIOPIC SYLLABLE PHU
1332	ገ	ETHIOPIC SYLLABLE PHI
1333	ገ	ETHIOPIC SYLLABLE PHAA

1334	ገ	ETHIOPIC SYLLABLE PHEE
1335	ገ	ETHIOPIC SYLLABLE PHE
1336	ገ	ETHIOPIC SYLLABLE PHO
1337	ገ	ETHIOPIC SYLLABLE PHWA
1338	ገ	ETHIOPIC SYLLABLE TSA
1339	ገ	ETHIOPIC SYLLABLE TSU
133A	ገ	ETHIOPIC SYLLABLE TSI
133B	ገ	ETHIOPIC SYLLABLE TSAA
133C	ገ	ETHIOPIC SYLLABLE TSEE
133D	ገ	ETHIOPIC SYLLABLE TSE
133E	ገ	ETHIOPIC SYLLABLE TSO
133F	ገ	ETHIOPIC SYLLABLE TSWA
1340	ገ	ETHIOPIC SYLLABLE TZA
1341	ገ	ETHIOPIC SYLLABLE TZU
1342	ገ	ETHIOPIC SYLLABLE TZI
1343	ገ	ETHIOPIC SYLLABLE TZAA
1344	ገ	ETHIOPIC SYLLABLE TZEE
1345	ገ	ETHIOPIC SYLLABLE TZE
1346	ገ	ETHIOPIC SYLLABLE TZO
1347	ገ	ETHIOPIC SYLLABLE TZO A
1348	ገ	ETHIOPIC SYLLABLE FA
1349	ገ	ETHIOPIC SYLLABLE FU
134A	ገ	ETHIOPIC SYLLABLE FI
134B	ገ	ETHIOPIC SYLLABLE FAA
134C	ገ	ETHIOPIC SYLLABLE FEE
134D	ገ	ETHIOPIC SYLLABLE FE
134E	ገ	ETHIOPIC SYLLABLE FO
134F	ገ	ETHIOPIC SYLLABLE FWA
1350	ገ	ETHIOPIC SYLLABLE PA
1351	ገ	ETHIOPIC SYLLABLE PU
1352	ገ	ETHIOPIC SYLLABLE PI
1353	ገ	ETHIOPIC SYLLABLE PAA
1354	ገ	ETHIOPIC SYLLABLE PEE
1355	ገ	ETHIOPIC SYLLABLE PE
1356	ገ	ETHIOPIC SYLLABLE PO
1357	ገ	ETHIOPIC SYLLABLE PWA
1358	ገ	ETHIOPIC SYLLABLE RYA
1359	ገ	ETHIOPIC SYLLABLE MYA
135A	ገ	ETHIOPIC SYLLABLE FYA

Combining marks

135D	◌̣	ETHIOPIC COMBINING GEMINATION AND VOWEL LENGTH MARK
	•	Basketo
135E	◌̣	ETHIOPIC COMBINING VOWEL LENGTH MARK
	•	Basketo
135F	◌̣	ETHIOPIC COMBINING GEMINATION MARK

Punctuation

1360	※	ETHIOPIC SECTION MARK
1361	:	ETHIOPIC WORDSPACE
1362	∥	ETHIOPIC FULL STOP
1363	,	ETHIOPIC COMMA
1364	;	ETHIOPIC SEMICOLON
1365	:	ETHIOPIC COLON
1366	:	ETHIOPIC PREFACE COLON
1367	?	ETHIOPIC QUESTION MARK
1368	∴	ETHIOPIC PARAGRAPH SEPARATOR


























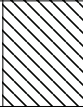






Digits

1369	፩	ETHIOPIC DIGIT ONE
136A	፪	ETHIOPIC DIGIT TWO
136B	፫	ETHIOPIC DIGIT THREE

















136C	፩	ETHIOPIC DIGIT FOUR
136D	፪	ETHIOPIC DIGIT FIVE
136E	፫	ETHIOPIC DIGIT SIX
136F	፬	ETHIOPIC DIGIT SEVEN
1370	፭	ETHIOPIC DIGIT EIGHT
1371	፮	ETHIOPIC DIGIT NINE

Numbers

1372	፯	ETHIOPIC NUMBER TEN
1373	፰	ETHIOPIC NUMBER TWENTY
1374	፱	ETHIOPIC NUMBER THIRTY
1375	፳	ETHIOPIC NUMBER FORTY
1376	፴	ETHIOPIC NUMBER FIFTY
1377	፵	ETHIOPIC NUMBER SIXTY
1378	፶	ETHIOPIC NUMBER SEVENTY
1379	፷	ETHIOPIC NUMBER EIGHTY
137A	፸	ETHIOPIC NUMBER NINETY
137B	፹	ETHIOPIC NUMBER HUNDRED
137C	፺	ETHIOPIC NUMBER TEN THOUSAND











	138	139
0	 1380	 1390
1	 1381	 1391
2	 1382	 1392
3	 1383	 1393
4	 1384	 1394
5	 1385	 1395
6	 1386	 1396
7	 1387	 1397
8	 1388	 1398
9	 1389	 1399
A	 138A	
B	 138B	
C	 138C	
D	 138D	
E	 138E	
F	 138F	

Syllables for Sebatbeit

- 1380  ETHIOPIC SYLLABLE SEBATBEIT MWA
- 1381  ETHIOPIC SYLLABLE MWI
- 1382  ETHIOPIC SYLLABLE MWEE
- 1383  ETHIOPIC SYLLABLE MWE
- 1384  ETHIOPIC SYLLABLE SEBATBEIT BWA
- 1385  ETHIOPIC SYLLABLE BWI
- 1386  ETHIOPIC SYLLABLE BWEE
- 1387  ETHIOPIC SYLLABLE BWE
- 1388  ETHIOPIC SYLLABLE SEBATBEIT FWA
- 1389  ETHIOPIC SYLLABLE FWI
- 138A  ETHIOPIC SYLLABLE FWEE
- 138B  ETHIOPIC SYLLABLE FWE
- 138C  ETHIOPIC SYLLABLE SEBATBEIT PWA
- 138D  ETHIOPIC SYLLABLE PWI
- 138E  ETHIOPIC SYLLABLE PWEE
- 138F  ETHIOPIC SYLLABLE PWE

Tonal marks

Intended for use with a multiline scored layout

- 1390  ETHIOPIC TONAL MARK YIZET
- 1391  ETHIOPIC TONAL MARK DERET
- 1392  ETHIOPIC TONAL MARK RIKRIK
- 1393  ETHIOPIC TONAL MARK SHORT RIKRIK
- 1394  ETHIOPIC TONAL MARK DIFAT
- 1395  ETHIOPIC TONAL MARK KENAT
- 1396  ETHIOPIC TONAL MARK CHIRET
- 1397  ETHIOPIC TONAL MARK HIDET
- 1398  ETHIOPIC TONAL MARK DERET-HIDET
- 1399  ETHIOPIC TONAL MARK KURT

	13A	13B	13C	13D	13E	13F
0	D 13A0	F 13B0	G 13C0	† 13D0	‡ 13E0	β 13F0
1	R 13A1	Γ 13B1	Λ 13C1	∞ 13D1	∅ 13E1	∂ 13F1
2	T 13A2	Q 13B2	h 13C2	R 13D2	P 13E2	h 13F2
3	Ꭰ 13A3	W 13B3	Z 13C3	L 13D3	G 13E3	G ^w 13F3
4	Ꭱ 13A4	Ꭲ 13B4	Ꭳ 13C4	W 13D4	V 13E4	B 13F4
5	i 13A5	Ꭶ 13B5	Ꭷ 13C5	Ꭸ 13D5	Ꭹ 13E5	
6	Ꭺ 13A6	Ꭻ 13B6	Ꭼ 13C6	Ꭽ 13D6	Ꭾ 13E6	
7	Ꭿ 13A7	M 13B7	Ꮁ 13C7	Ꮂ 13D7	Ꮃ 13E7	
8	Ꮄ 13A8	Ꮅ 13B8	Ꮆ 13C8	Ꮇ 13D8	Ꮈ 13E8	
9	Ꮉ 13A9	Ꮊ 13B9	Ꮋ 13C9	V 13D9	G 13E9	
A	A 13AA	Ꭰ 13BA	Ꭱ 13CA	S 13DA	Ꭳ 13EA	
B	J 13AB	H 13BB	Ꭳ 13CB	Ꭴ 13DB	Ꭵ 13EB	
C	E 13AC	Ꭶ 13BC	Ꭷ 13CC	Ꭸ 13DC	Ꭹ 13EC	
D	Ꭺ 13AD	Ꭻ 13BD	Ꭼ 13CD	Ꭽ 13DD	Ꭾ 13ED	
E	Ꭿ 13AE	Ꮀ 13BE	Ꮁ 13CE	L 13DE	Ꮂ 13EE	
F	Ꮃ 13AF	Ꮄ 13BF	Ꮅ 13CF	C 13DF	Ꮆ 13EF	

Syllables

13A0	D	CHEROKEE LETTER A	13DC	Ꮟ	CHEROKEE LETTER DLA
13A1	R	CHEROKEE LETTER E	13DD	Ꮢ	CHEROKEE LETTER TLA
13A2	T	CHEROKEE LETTER I	13DE	L	CHEROKEE LETTER TLE
13A3	Ꮝ	CHEROKEE LETTER O	13DF	C	CHEROKEE LETTER TLI
13A4	Ꮖ	CHEROKEE LETTER U	13E0	Ꮖ	CHEROKEE LETTER TLO
13A5	i	CHEROKEE LETTER V	13E1	Ꮗ	CHEROKEE LETTER TLU
13A6	Ꮘ	CHEROKEE LETTER GA	13E2	P	CHEROKEE LETTER TLV
13A7	Ꮙ	CHEROKEE LETTER KA	13E3	G	CHEROKEE LETTER TSA
13A8	Ꮚ	CHEROKEE LETTER GE	13E4	V	CHEROKEE LETTER TSE
13A9	Ꮛ	CHEROKEE LETTER GI	13E5	Ꮚ	CHEROKEE LETTER TSI
13AA	A	CHEROKEE LETTER GO	13E6	K	CHEROKEE LETTER TSO
13AB	J	CHEROKEE LETTER GU	13E7	Ꮛ	CHEROKEE LETTER TSU
13AC	E	CHEROKEE LETTER GV	13E8	Ꮜ	CHEROKEE LETTER TSV
13AD	Ꮞ	CHEROKEE LETTER HA	13E9	G	CHEROKEE LETTER WA
13AE	Ꮟ	CHEROKEE LETTER HE	13EA	Ꮞ	CHEROKEE LETTER WE
13AF	Ꮠ	CHEROKEE LETTER HI	13EB	Ꮟ	CHEROKEE LETTER WI
13B0	Ꮡ	CHEROKEE LETTER HO	13EC	Ꮠ	CHEROKEE LETTER WO
13B1	Ꮢ	CHEROKEE LETTER HU	13ED	Ꮡ	CHEROKEE LETTER WU
13B2	Ꮣ	CHEROKEE LETTER HV	13EE	Ꮣ	CHEROKEE LETTER WV
13B3	Ꮤ	CHEROKEE LETTER LA	13EF	Ꮤ	CHEROKEE LETTER YA
13B4	Ꮥ	CHEROKEE LETTER LE	13F0	Ꮥ	CHEROKEE LETTER YE
13B5	Ꮦ	CHEROKEE LETTER LI	13F1	Ꮦ	CHEROKEE LETTER YI
13B6	Ꮧ	CHEROKEE LETTER LO	13F2	Ꮧ	CHEROKEE LETTER YO
13B7	Ꮨ	CHEROKEE LETTER LU	13F3	Ꮨ	CHEROKEE LETTER YU
13B8	Ꮩ	CHEROKEE LETTER LV	13F4	B	CHEROKEE LETTER YV
13B9	Ꮪ	CHEROKEE LETTER MA			
13BA	Ꮫ	CHEROKEE LETTER ME			
13BB	H	CHEROKEE LETTER MI			
13BC	Ꮭ	CHEROKEE LETTER MO			
13BD	Ꮮ	CHEROKEE LETTER MU			
13BE	Ꮯ	CHEROKEE LETTER NA			
13BF	Ꮰ	CHEROKEE LETTER HNA			
13C0	G	CHEROKEE LETTER NAH			
13C1	Ꮱ	CHEROKEE LETTER NE			
13C2	Ꮲ	CHEROKEE LETTER NI			
13C3	Z	CHEROKEE LETTER NO			
13C4	Ꮳ	CHEROKEE LETTER NU			
13C5	Ꮴ	CHEROKEE LETTER NV			
13C6	Ꮵ	CHEROKEE LETTER QUA			
13C7	Ꮶ	CHEROKEE LETTER QUE			
13C8	Ꮷ	CHEROKEE LETTER QUI			
13C9	Ꮸ	CHEROKEE LETTER QUO			
13CA	Ꮹ	CHEROKEE LETTER QUU			
13CB	Ꮺ	CHEROKEE LETTER QUV			
13CC	Ꮻ	CHEROKEE LETTER SA			
13CD	Ꮼ	CHEROKEE LETTER S			
13CE	Ꮽ	CHEROKEE LETTER SE			
13CF	Ꮾ	CHEROKEE LETTER SI			
13D0	Ꮿ	CHEROKEE LETTER SO			
13D1	Ᏸ	CHEROKEE LETTER SU			
13D2	Ᏹ	CHEROKEE LETTER SV			
13D3	Ᏺ	CHEROKEE LETTER DA			
13D4	Ᏻ	CHEROKEE LETTER TA			
13D5	Ᏼ	CHEROKEE LETTER DE			
13D6	Ᏽ	CHEROKEE LETTER TE			
13D7	᏶	CHEROKEE LETTER DI			
13D8	᏷	CHEROKEE LETTER TI			
13D9	ᏸ	CHEROKEE LETTER DO			
13DA	S	CHEROKEE LETTER DU			
13DB	ᏺ	CHEROKEE LETTER DV			

	140	141	142	143	144	145	146	147	148	149	14A	14B	14C	14D
0	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	14A0	14B0	14C0	14D0
1	1401	1411	1421	1431	1441	1451	1461	1471	1481	1491	14A1	14B1	14C1	14D1
2	1402	1412	1422	1432	1442	1452	1462	1472	1482	1492	14A2	14B2	14C2	14D2
3	1403	1413	1423	1433	1443	1453	1463	1473	1483	1493	14A3	14B3	14C3	14D3
4	1404	1414	1424	1434	1444	1454	1464	1474	1484	1494	14A4	14B4	14C4	14D4
5	1405	1415	1425	1435	1445	1455	1465	1475	1485	1495	14A5	14B5	14C5	14D5
6	1406	1416	1426	1436	1446	1456	1466	1476	1486	1496	14A6	14B6	14C6	14D6
7	1407	1417	1427	1437	1447	1457	1467	1477	1487	1497	14A7	14B7	14C7	14D7
8	1408	1418	1428	1438	1448	1458	1468	1478	1488	1498	14A8	14B8	14C8	14D8
9	1409	1419	1429	1439	1449	1459	1469	1479	1489	1499	14A9	14B9	14C9	14D9
A	140A	141A	142A	143A	144A	145A	146A	147A	148A	149A	14AA	14BA	14CA	14DA
B	140B	141B	142B	143B	144B	145B	146B	147B	148B	149B	14AB	14BB	14CB	14DB
C	140C	141C	142C	143C	144C	145C	146C	147C	148C	149C	14AC	14BC	14CC	14DC
D	140D	141D	142D	143D	144D	145D	146D	147D	148D	149D	14AD	14BD	14CD	14DD
E	140E	141E	142E	143E	144E	145E	146E	147E	148E	149E	14AE	14BE	14CE	14DE
F	140F	141F	142F	143F	144F	145F	146F	147F	148F	149F	14AF	14BF	14CF	14DF

	14E	14F	150	151	152	153	154	155	156	157	158	159	15A
0	14E0	14F0	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	15A0
1	14E1	14F1	1501	1511	1521	1531	1541	1551	1561	1571	1581	1591	15A1
2	14E2	14F2	1502	1512	1522	1532	1542	1552	1562	1572	1582	1592	15A2
3	14E3	14F3	1503	1513	1523	1533	1543	1553	1563	1573	1583	1593	15A3
4	14E4	14F4	1504	1514	1524	1534	1544	1554	1564	1574	1584	1594	15A4
5	14E5	14F5	1505	1515	1525	1535	1545	1555	1565	1575	1585	1595	15A5
6	14E6	14F6	1506	1516	1526	1536	1546	1556	1566	1576	1586	1596	15A6
7	14E7	14F7	1507	1517	1527	1537	1547	1557	1567	1577	1587	1597	15A7
8	14E8	14F8	1508	1518	1528	1538	1548	1558	1568	1578	1588	1598	15A8
9	14E9	14F9	1509	1519	1529	1539	1549	1559	1569	1579	1589	1599	15A9
A	14EA	14FA	150A	151A	152A	153A	154A	155A	156A	157A	158A	159A	15AA
B	14EB	14FB	150B	151B	152B	153B	154B	155B	156B	157B	158B	159B	15AB
C	14EC	14FC	150C	151C	152C	153C	154C	155C	156C	157C	158C	159C	15AC
D	14ED	14FD	150D	151D	152D	153D	154D	155D	156D	157D	158D	159D	15AD
E	14EE	14FE	150E	151E	152E	153E	154E	155E	156E	157E	158E	159E	15AE
F	14EF	14FF	150F	151F	152F	153F	154F	155F	156F	157F	158F	159F	15AF

	15B	15C	15D	15E	15F	160	161	162	163	164	165	166	167
0	15B0	15C0	15D0	15E0	15F0	1600	1610	1620	1630	1640	1650	1660	1670
1	15B1	15C1	15D1	15E1	15F1	1601	1611	1621	1631	1641	1651	1661	1671
2	15B2	15C2	15D2	15E2	15F2	1602	1612	1622	1632	1642	1652	1662	1672
3	15B3	15C3	15D3	15E3	15F3	1603	1613	1623	1633	1643	1653	1663	1673
4	15B4	15C4	15D4	15E4	15F4	1604	1614	1624	1634	1644	1654	1664	1674
5	15B5	15C5	15D5	15E5	15F5	1605	1615	1625	1635	1645	1655	1665	1675
6	15B6	15C6	15D6	15E6	15F6	1606	1616	1626	1636	1646	1656	1666	1676
7	15B7	15C7	15D7	15E7	15F7	1607	1617	1627	1637	1647	1657	1667	1677
8	15B8	15C8	15D8	15E8	15F8	1608	1618	1628	1638	1648	1658	1668	1678
9	15B9	15C9	15D9	15E9	15F9	1609	1619	1629	1639	1649	1659	1669	1679
A	15BA	15CA	15DA	15EA	15FA	160A	161A	162A	163A	164A	165A	166A	167A
B	15BB	15CB	15DB	15EB	15FB	160B	161B	162B	163B	164B	165B	166B	167B
C	15BC	15CC	15DC	15EC	15FC	160C	161C	162C	163C	164C	165C	166C	167C
D	15BD	15CD	15DD	15ED	15FD	160D	161D	162D	163D	164D	165D	166D	167D
E	15BE	15CE	15DE	15EE	15FE	160E	161E	162E	163E	164E	165E	166E	167E
F	15BF	15CF	15DF	15EF	15FF	160F	161F	162F	163F	164F	165F	166F	167F

Punctuation

1400 = CANADIAN SYLLABICS HYPHEN

Syllables

1401	∇	CANADIAN SYLLABICS E • Inuktitut (AI), Carrier (U)	1427	·	CANADIAN SYLLABICS FINAL MIDDLE DOT • Moose Cree (W), Athapascan (Y), Sayisi (YU), Blackfoot (S)
1402	△	CANADIAN SYLLABICS AAI • Inuktitut	1428	-	CANADIAN SYLLABICS FINAL SHORT HORIZONTAL STROKE • West Cree (C), Sayisi (D)
1403	Δ	CANADIAN SYLLABICS I • Carrier (O)	1429	+	CANADIAN SYLLABICS FINAL PLUS • Athapascan (N), Sayisi (AI)
1404	△	CANADIAN SYLLABICS II	142A	†	CANADIAN SYLLABICS FINAL DOWN TACK • N Cree (L), Carrier (D) → 22A4 T down tack
1405	▷	CANADIAN SYLLABICS O • Inuktitut (U), Carrier (E)	142B	∇	CANADIAN SYLLABICS EN
1406	▷	CANADIAN SYLLABICS OO • Inuktitut (UU)	142C	△	CANADIAN SYLLABICS IN
1407	∇	CANADIAN SYLLABICS Y-CREE OO	142D	▷	CANADIAN SYLLABICS ON
1408	▷	CANADIAN SYLLABICS CARRIER EE	142E	◁	CANADIAN SYLLABICS AN
1409	▷	CANADIAN SYLLABICS CARRIER I	142F	∇	CANADIAN SYLLABICS PE • Inuktitut (PAI), Athapascan (BE), Carrier (HU)
140A	◁	CANADIAN SYLLABICS A	1430	∧	CANADIAN SYLLABICS PAAI • Inuktitut
140B	◁	CANADIAN SYLLABICS AA	1431	∧	CANADIAN SYLLABICS PI
140C	∇	CANADIAN SYLLABICS WE	1432	∧	CANADIAN SYLLABICS PII
140D	∇	CANADIAN SYLLABICS WEST-CREE WE	1433	>	CANADIAN SYLLABICS PO • Inuktitut (PU), Athapascan (BO), Carrier (HE)
140E	△	CANADIAN SYLLABICS WI	1434	>	CANADIAN SYLLABICS POO • Inuktitut (PUU)
140F	△	CANADIAN SYLLABICS WEST-CREE WI	1435	∫	CANADIAN SYLLABICS Y-CREE POO
1410	△	CANADIAN SYLLABICS WII	1436	▷	CANADIAN SYLLABICS CARRIER HEE
1411	△	CANADIAN SYLLABICS WEST-CREE WII	1437	▷	CANADIAN SYLLABICS CARRIER HI
1412	▷	CANADIAN SYLLABICS WO	1438	<	CANADIAN SYLLABICS PA • Athapascan (BA), Carrier (HA)
1413	▷	CANADIAN SYLLABICS WEST-CREE WO	1439	◁	CANADIAN SYLLABICS PAA
1414	∇	CANADIAN SYLLABICS WOO	143A	∇	CANADIAN SYLLABICS PWE
1415	∇	CANADIAN SYLLABICS WEST-CREE WOO	143B	∇	CANADIAN SYLLABICS WEST-CREE PWE
1416	∇	CANADIAN SYLLABICS NASKAPI WOO	143C	∇	CANADIAN SYLLABICS PWI
1417	◁	CANADIAN SYLLABICS WA	143D	∧	CANADIAN SYLLABICS WEST-CREE PWI
1418	◁	CANADIAN SYLLABICS WEST-CREE WA	143E	∧	CANADIAN SYLLABICS PWII
1419	◁	CANADIAN SYLLABICS WAA	143F	∧	CANADIAN SYLLABICS WEST-CREE PWII
141A	◁	CANADIAN SYLLABICS WEST-CREE WAA	1440	>	CANADIAN SYLLABICS PWO
141B	◁	CANADIAN SYLLABICS NASKAPI WAA	1441	>	CANADIAN SYLLABICS WEST-CREE PWO
141C	∞	CANADIAN SYLLABICS AI • East Cree	1442	∫	CANADIAN SYLLABICS PWOO
141D	·	CANADIAN SYLLABICS Y-CREE W	1443	∫	CANADIAN SYLLABICS WEST-CREE PWOO
141E	△	CANADIAN SYLLABICS GLOTTAL STOP • Moose Cree (Y), Algonquian (GLOTTAL STOP)	1444	<	CANADIAN SYLLABICS PWA
141F	˘	CANADIAN SYLLABICS FINAL ACUTE • West Cree (T), East Cree (Y), Inuktitut (GLOTTAL STOP) • Athapascan (B/P), Sayisi (I), Carrier (G)	1445	<	CANADIAN SYLLABICS WEST-CREE PWA
1420	˘	CANADIAN SYLLABICS FINAL GRAVE • West Cree (K), Athapascan (K), Carrier (KH)	1446	◁	CANADIAN SYLLABICS PWAA
1421	˘	CANADIAN SYLLABICS FINAL BOTTOM HALF RING • N Cree (SH), Sayisi (R), Carrier (NG)	1447	◁	CANADIAN SYLLABICS WEST-CREE PWAA
1422	˘	CANADIAN SYLLABICS FINAL TOP HALF RING • Algonquian (S), Chipewyan (R), Sayisi (S)	1448	◁	CANADIAN SYLLABICS Y-CREE PWAA
1423	˘	CANADIAN SYLLABICS FINAL RIGHT HALF RING • West Cree (N), Athapascan (D/T), Sayisi (N), Carrier (N)	1449	<	CANADIAN SYLLABICS P • Blackfoot (Y)
1424	◦	CANADIAN SYLLABICS FINAL RING • West Cree (W), Sayisi (O)	144A	˘	CANADIAN SYLLABICS WEST-CREE P • Sayisi (G)
1425	˝	CANADIAN SYLLABICS FINAL DOUBLE ACUTE • Chipewyan (TT), South Slavey (GH)	144B	h	CANADIAN SYLLABICS CARRIER H
1426	˝	CANADIAN SYLLABICS FINAL DOUBLE SHORT VERTICAL STROKES • Algonquian (H), Carrier (R)	144C	U	CANADIAN SYLLABICS TE • Inuktitut (TAI), Athapascan (DI), Carrier (DU)
			144D	ŋ	CANADIAN SYLLABICS TAAI • Inuktitut
			144E	ŋ	CANADIAN SYLLABICS TII • Athapascan (DE), Carrier (DO)
			144F	ŋ	CANADIAN SYLLABICS TII
			1450	⊃	CANADIAN SYLLABICS TO • Inuktitut (TU), Athapascan (DO), Carrier (DE), Sayisi (DU)

1451	ᓄ	CANADIAN SYLLABICS TOO • Inuktitut (TUU)	1483	ᓅ	CANADIAN SYLLABICS K
1452	ᓅ	CANADIAN SYLLABICS Y-CREE TOO	1484	ᓆ	CANADIAN SYLLABICS KW • East Cree
1453	ᓆ	CANADIAN SYLLABICS CARRIER DEE	1485	ᓇ	CANADIAN SYLLABICS SOUTH-SLAVEY KEH
1454	ᓇ	CANADIAN SYLLABICS CARRIER DI	1486	ᓈ	CANADIAN SYLLABICS SOUTH-SLAVEY KIH
1455	ᓈ	CANADIAN SYLLABICS TA • Athapascan (DA)	1487	ᓉ	CANADIAN SYLLABICS SOUTH-SLAVEY KOH
1456	ᓉ	CANADIAN SYLLABICS TAA	1488	ᓊ	CANADIAN SYLLABICS SOUTH-SLAVEY KAH
1457	ᓊ	CANADIAN SYLLABICS TWE	1489	ᓋ	CANADIAN SYLLABICS CE • Inuktitut (GAI), Athapascan (DHE), Sayisi (THE), Blackfoot (MA)
1458	ᓋ	CANADIAN SYLLABICS WEST-CREE TWE	148A	ᓌ	CANADIAN SYLLABICS CAAI • Inuktitut (GAAI)
1459	ᓌ	CANADIAN SYLLABICS TWI	148B	ᓍ	CANADIAN SYLLABICS CI • Inuktitut (GI), Athapascan (DHI), Sayisi (THI), Blackfoot (ME)
145A	ᓍ	CANADIAN SYLLABICS WEST-CREE TWI	148C	ᓎ	CANADIAN SYLLABICS CII • Inuktitut (GII)
145B	ᓎ	CANADIAN SYLLABICS TWII	148D	ᓏ	CANADIAN SYLLABICS CO • Inuktitut (GU), Athapascan (DHO), Sayisi (THO), Blackfoot (MI)
145C	ᓎ	CANADIAN SYLLABICS WEST-CREE TWII	148E	ᓐ	CANADIAN SYLLABICS COO • Inuktitut (GUU)
145D	ᓏ	CANADIAN SYLLABICS TWO	148F	ᓑ	CANADIAN SYLLABICS Y-CREE COO
145E	ᓏ	CANADIAN SYLLABICS WEST-CREE TWO	1490	ᓒ	CANADIAN SYLLABICS CA • Inuktitut (GA), Athapascan (DHA), Sayisi (THA), Blackfoot (MO)
145F	ᓐ	CANADIAN SYLLABICS TWOO	1491	ᓓ	CANADIAN SYLLABICS CAA • Inuktitut (GAA)
1460	ᓐ	CANADIAN SYLLABICS WEST-CREE TWOO	1492	ᓔ	CANADIAN SYLLABICS CWE
1461	ᓑ	CANADIAN SYLLABICS TWA	1493	ᓕ	CANADIAN SYLLABICS WEST-CREE CWE
1462	ᓑ	CANADIAN SYLLABICS WEST-CREE TWA	1494	ᓕ	CANADIAN SYLLABICS CWI
1463	ᓒ	CANADIAN SYLLABICS TWAA	1495	ᓆ	CANADIAN SYLLABICS WEST-CREE CWI
1464	ᓒ	CANADIAN SYLLABICS WEST-CREE TWAA	1496	ᓇ	CANADIAN SYLLABICS CWII
1465	ᓒ	CANADIAN SYLLABICS NASKAPI TWAA	1497	ᓈ	CANADIAN SYLLABICS WEST-CREE CWII
1466	ᓓ	CANADIAN SYLLABICS T	1498	ᓉ	CANADIAN SYLLABICS CWO
1467	ᓓ	CANADIAN SYLLABICS TTE • South Slavey (DEH)	1499	ᓊ	CANADIAN SYLLABICS WEST-CREE CWO
1468	ᓔ	CANADIAN SYLLABICS TTI • South Slavey (DIH)	149A	ᓋ	CANADIAN SYLLABICS CWOO
1469	ᓕ	CANADIAN SYLLABICS TTO • South Slavey (DOH)	149B	ᓌ	CANADIAN SYLLABICS WEST-CREE CWOO
146A	ᓈ	CANADIAN SYLLABICS TTA • South Slavey (DAH)	149C	ᓍ	CANADIAN SYLLABICS CWA
146B	ᓇ	CANADIAN SYLLABICS KE • Inuktitut (KAI), Blackfoot (PA)	149D	ᓎ	CANADIAN SYLLABICS WEST-CREE CWA
146C	ᓆ	CANADIAN SYLLABICS KAAI • Inuktitut	149E	ᓏ	CANADIAN SYLLABICS CWAA
146D	ᓈ	CANADIAN SYLLABICS KI • Blackfoot (PE)	149F	ᓐ	CANADIAN SYLLABICS WEST-CREE CWAA
146E	ᓈ	CANADIAN SYLLABICS KII	14A0	ᓑ	CANADIAN SYLLABICS NASKAPI CWAA
146F	ᓉ	CANADIAN SYLLABICS KO • Inuktitut (KU), Sayisi (KU), Blackfoot (PI)	14A1	ᓒ	CANADIAN SYLLABICS C • Inuktitut (G), Sayisi (T)
1470	ᓉ	CANADIAN SYLLABICS KOO • Inuktitut (KUU)	14A2	ᓓ	CANADIAN SYLLABICS SAYISI TH • Athapascan (DH)
1471	ᓊ	CANADIAN SYLLABICS Y-CREE KOO	14A3	ᓔ	CANADIAN SYLLABICS ME • Inuktitut (MAI), Blackfoot (TA)
1472	ᓅ	CANADIAN SYLLABICS KA • Blackfoot (PO)	14A4	ᓕ	CANADIAN SYLLABICS MAAI • Inuktitut
1473	ᓅ	CANADIAN SYLLABICS KAA	14A5	ᓆ	CANADIAN SYLLABICS MI • Blackfoot (TE)
1474	ᓆ	CANADIAN SYLLABICS KWE	14A6	ᓇ	CANADIAN SYLLABICS MII
1475	ᓇ	CANADIAN SYLLABICS WEST-CREE KWE	14A7	ᓈ	CANADIAN SYLLABICS MO • Inuktitut (MU), Sayisi (MU), Blackfoot (TI)
1476	ᓈ	CANADIAN SYLLABICS KWI	14A8	ᓉ	CANADIAN SYLLABICS MOO • Inuktitut (MUU)
1477	ᓈ	CANADIAN SYLLABICS WEST-CREE KWI	14A9	ᓊ	CANADIAN SYLLABICS Y-CREE MOO
1478	ᓉ	CANADIAN SYLLABICS KWII	14AA	ᓋ	CANADIAN SYLLABICS MA • Blackfoot (TO)
1479	ᓉ	CANADIAN SYLLABICS WEST-CREE KWII	14AB	ᓌ	CANADIAN SYLLABICS MAA
147A	ᓊ	CANADIAN SYLLABICS KWO	14AC	ᓍ	CANADIAN SYLLABICS MWE
147B	ᓊ	CANADIAN SYLLABICS WEST-CREE KWO			
147C	ᓋ	CANADIAN SYLLABICS KWOO			
147D	ᓋ	CANADIAN SYLLABICS WEST-CREE KWOO			
147E	ᓌ	CANADIAN SYLLABICS KWA			
147F	ᓌ	CANADIAN SYLLABICS WEST-CREE KWA			
1480	ᓍ	CANADIAN SYLLABICS KWAA			
1481	ᓍ	CANADIAN SYLLABICS WEST-CREE KWAA			
1482	ᓎ	CANADIAN SYLLABICS NASKAPI KWAA			

14AD	ᑦ	CANADIAN SYLLABICS WEST-CREE MWE	14E2	ᑦ	CANADIAN SYLLABICS LWO
14AE	ᑦ	CANADIAN SYLLABICS MWI	14E3	ᑦ	CANADIAN SYLLABICS WEST-CREE LWO
14AF	ᑦ	CANADIAN SYLLABICS WEST-CREE MWI	14E4	ᑦ	CANADIAN SYLLABICS LWOO
14B0	ᑦ	CANADIAN SYLLABICS MWII	14E5	ᑦ	CANADIAN SYLLABICS WEST-CREE LWOO
14B1	ᑦ	CANADIAN SYLLABICS WEST-CREE MWII	14E6	ᑦ	CANADIAN SYLLABICS LWA
14B2	ᑦ	CANADIAN SYLLABICS MWO	14E7	ᑦ	CANADIAN SYLLABICS WEST-CREE LWA
14B3	ᑦ	CANADIAN SYLLABICS WEST-CREE MWO	14E8	ᑦ	CANADIAN SYLLABICS LWAA
14B4	ᑦ	CANADIAN SYLLABICS MWOO	14E9	ᑦ	CANADIAN SYLLABICS WEST-CREE LWAA
14B5	ᑦ	CANADIAN SYLLABICS WEST-CREE MWOO	14EA	ᑦ	CANADIAN SYLLABICS L
14B6	ᑦ	CANADIAN SYLLABICS MWA	14EB	ᑦ	CANADIAN SYLLABICS WEST-CREE L
14B7	ᑦ	CANADIAN SYLLABICS WEST-CREE MWA	14EC	ᑦ	CANADIAN SYLLABICS MEDIAL L
14B8	ᑦ	CANADIAN SYLLABICS MWAA	14ED	ᑦ	CANADIAN SYLLABICS SE
14B9	ᑦ	CANADIAN SYLLABICS WEST-CREE MWAA			• Inuktitut (SAI), Blackfoot (SA)
14BA	ᑦ	CANADIAN SYLLABICS NASKAPI MWAA	14EE	ᑦ	CANADIAN SYLLABICS SAAI
14BB	ᑦ	CANADIAN SYLLABICS M			• Inuktitut
14BC	ᑦ	CANADIAN SYLLABICS WEST-CREE M	14EF	ᑦ	CANADIAN SYLLABICS SI
		• Carrier (M)			• Blackfoot (SE)
14BD	ᑦ	CANADIAN SYLLABICS MH	14F0	ᑦ	CANADIAN SYLLABICS SII
14BE	ᑦ	CANADIAN SYLLABICS ATHAPASCAN M	14F1	ᑦ	CANADIAN SYLLABICS SO
14BF	ᑦ	CANADIAN SYLLABICS SAYISI M			• Inuktitut (SU), Sayisi (SU), Blackfoot (SI)
14C0	ᑦ	CANADIAN SYLLABICS NE	14F2	ᑦ	CANADIAN SYLLABICS SOO
		• Inuktitut (NAI)			• Inuktitut (SUU)
14C1	ᑦ	CANADIAN SYLLABICS NAAI	14F3	ᑦ	CANADIAN SYLLABICS Y-CREE SOO
		• Inuktitut	14F4	ᑦ	CANADIAN SYLLABICS SA
14C2	ᑦ	CANADIAN SYLLABICS NI			• Blackfoot (SO)
14C3	ᑦ	CANADIAN SYLLABICS NII	14F5	ᑦ	CANADIAN SYLLABICS SAA
14C4	ᑦ	CANADIAN SYLLABICS NO	14F6	ᑦ	CANADIAN SYLLABICS SWE
		• Inuktitut (NU), Sayisi (NU)	14F7	ᑦ	CANADIAN SYLLABICS WEST-CREE SWE
14C5	ᑦ	CANADIAN SYLLABICS NOO	14F8	ᑦ	CANADIAN SYLLABICS SWI
		• Inuktitut (NUU)	14F9	ᑦ	CANADIAN SYLLABICS WEST-CREE SWI
14C6	ᑦ	CANADIAN SYLLABICS Y-CREE NOO	14FA	ᑦ	CANADIAN SYLLABICS SWII
14C7	ᑦ	CANADIAN SYLLABICS NA	14FB	ᑦ	CANADIAN SYLLABICS WEST-CREE SWII
14C8	ᑦ	CANADIAN SYLLABICS NAA	14FC	ᑦ	CANADIAN SYLLABICS SWO
14C9	ᑦ	CANADIAN SYLLABICS NWE	14FD	ᑦ	CANADIAN SYLLABICS WEST-CREE SWO
14CA	ᑦ	CANADIAN SYLLABICS WEST-CREE NWE	14FE	ᑦ	CANADIAN SYLLABICS SWOO
14CB	ᑦ	CANADIAN SYLLABICS NWA	14FF	ᑦ	CANADIAN SYLLABICS WEST-CREE SWOO
14CC	ᑦ	CANADIAN SYLLABICS WEST-CREE NWA	1500	ᑦ	CANADIAN SYLLABICS SWA
14CD	ᑦ	CANADIAN SYLLABICS NWAA	1501	ᑦ	CANADIAN SYLLABICS WEST-CREE SWA
14CE	ᑦ	CANADIAN SYLLABICS WEST-CREE NWAA	1502	ᑦ	CANADIAN SYLLABICS SWAA
14CF	ᑦ	CANADIAN SYLLABICS NASKAPI NWAA	1503	ᑦ	CANADIAN SYLLABICS WEST-CREE SWAA
14D0	ᑦ	CANADIAN SYLLABICS N	1504	ᑦ	CANADIAN SYLLABICS NASKAPI SWAA
14D1	ᑦ	CANADIAN SYLLABICS CARRIER NG	1505	ᑦ	CANADIAN SYLLABICS S
14D2	ᑦ	CANADIAN SYLLABICS NH	1506	ᑦ	CANADIAN SYLLABICS ATHAPASCAN S
14D3	ᑦ	CANADIAN SYLLABICS LE	1507	ᑦ	CANADIAN SYLLABICS SW
		• Inuktitut (LAI)	1508	ᑦ	CANADIAN SYLLABICS BLACKFOOT S
14D4	ᑦ	CANADIAN SYLLABICS LAAI	1509	ᑦ	CANADIAN SYLLABICS MOOSE-CREE SK
		• Inuktitut	150A	ᑦ	CANADIAN SYLLABICS NASKAPI SKW
14D5	ᑦ	CANADIAN SYLLABICS LI	150B	ᑦ	CANADIAN SYLLABICS NASKAPI S-W
14D6	ᑦ	CANADIAN SYLLABICS LII	150C	ᑦ	CANADIAN SYLLABICS NASKAPI SPWA
14D7	ᑦ	CANADIAN SYLLABICS LO	150D	ᑦ	CANADIAN SYLLABICS NASKAPI STWA
		• Inuktitut (LU)	150E	ᑦ	CANADIAN SYLLABICS NASKAPI SKWA
14D8	ᑦ	CANADIAN SYLLABICS LOO	150F	ᑦ	CANADIAN SYLLABICS NASKAPI SCWA
		• Inuktitut (LUU)	1510	ᑦ	CANADIAN SYLLABICS SHE
14D9	ᑦ	CANADIAN SYLLABICS Y-CREE LOO	1511	ᑦ	CANADIAN SYLLABICS SHI
14DA	ᑦ	CANADIAN SYLLABICS LA	1512	ᑦ	CANADIAN SYLLABICS SHII
14DB	ᑦ	CANADIAN SYLLABICS LAA	1513	ᑦ	CANADIAN SYLLABICS SHO
14DC	ᑦ	CANADIAN SYLLABICS LWE	1514	ᑦ	CANADIAN SYLLABICS SHOO
14DD	ᑦ	CANADIAN SYLLABICS WEST-CREE LWE	1515	ᑦ	CANADIAN SYLLABICS SHA
14DE	ᑦ	CANADIAN SYLLABICS LWI	1516	ᑦ	CANADIAN SYLLABICS SHAA
14DF	ᑦ	CANADIAN SYLLABICS WEST-CREE LWI	1517	ᑦ	CANADIAN SYLLABICS SHWE
14E0	ᑦ	CANADIAN SYLLABICS LWII	1518	ᑦ	CANADIAN SYLLABICS WEST-CREE SHWE
14E1	ᑦ	CANADIAN SYLLABICS WEST-CREE LWII	1519	ᑦ	CANADIAN SYLLABICS SHWI

151A	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWI	154B	ᑭ	CANADIAN SYLLABICS RA
151B	ᑭ	CANADIAN SYLLABICS SHWII	154C	ᑭ	CANADIAN SYLLABICS RAA
151C	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWII	154D	ᑭ	CANADIAN SYLLABICS WEST-CREE LA
151D	ᑭ	CANADIAN SYLLABICS SHWO	154E	ᑭ	CANADIAN SYLLABICS RWAA
151E	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWO	154F	ᑭ	CANADIAN SYLLABICS WEST-CREE RWAA
151F	ᑭ	CANADIAN SYLLABICS SHWO	1550	ᑭ	CANADIAN SYLLABICS R
1520	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWO	1551	ᑭ	CANADIAN SYLLABICS WEST-CREE R
1521	ᑭ	CANADIAN SYLLABICS SHWA	1552	ᑭ	CANADIAN SYLLABICS MEDIAL R
1522	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWA	1553	ᑭ	CANADIAN SYLLABICS FE
1523	ᑭ	CANADIAN SYLLABICS SHWAA			• Inuktitut (FAI)
1524	ᑭ	CANADIAN SYLLABICS WEST-CREE SHWAA	1554	ᑭ	CANADIAN SYLLABICS FAAI
1525	ᑭ	CANADIAN SYLLABICS SH			• Inuktitut
1526	ᑭ	CANADIAN SYLLABICS YE	1555	ᑭ	CANADIAN SYLLABICS FI
		• Inuktitut (YAI), Blackfoot (YA)	1556	ᑭ	CANADIAN SYLLABICS FII
1527	ᑭ	CANADIAN SYLLABICS YAAI	1557	ᑭ	CANADIAN SYLLABICS FO
		• Inuktitut	1558	ᑭ	CANADIAN SYLLABICS FOO
1528	ᑭ	CANADIAN SYLLABICS YI	1559	ᑭ	CANADIAN SYLLABICS FA
		• Blackfoot (YE)	155A	ᑭ	CANADIAN SYLLABICS FAA
1529	ᑭ	CANADIAN SYLLABICS YII	155B	ᑭ	CANADIAN SYLLABICS FWAA
152A	ᑭ	CANADIAN SYLLABICS YO	155C	ᑭ	CANADIAN SYLLABICS WEST-CREE FWAA
		• Inuktitut (YU), Blackfoot (YI)	155D	ᑭ	CANADIAN SYLLABICS F
152B	ᑭ	CANADIAN SYLLABICS YOO	155E	ᑭ	CANADIAN SYLLABICS THE
		• Inuktitut (YUU)			• Sayisi (TE)
152C	ᑭ	CANADIAN SYLLABICS Y-CREE YOO	155F	ᑭ	CANADIAN SYLLABICS N-CREE THE
152D	ᑭ	CANADIAN SYLLABICS YA	1560	ᑭ	CANADIAN SYLLABICS THI
		• Blackfoot (YO)			• Sayisi (TI)
152E	ᑭ	CANADIAN SYLLABICS YAA	1561	ᑭ	CANADIAN SYLLABICS N-CREE THI
152F	ᑭ	CANADIAN SYLLABICS YWE	1562	ᑭ	CANADIAN SYLLABICS THII
1530	ᑭ	CANADIAN SYLLABICS WEST-CREE YWE	1563	ᑭ	CANADIAN SYLLABICS N-CREE THII
1531	ᑭ	CANADIAN SYLLABICS YWI	1564	ᑭ	CANADIAN SYLLABICS THO
1532	ᑭ	CANADIAN SYLLABICS WEST-CREE YWI			• Sayisi (TU)
1533	ᑭ	CANADIAN SYLLABICS YWII	1565	ᑭ	CANADIAN SYLLABICS THOO
1534	ᑭ	CANADIAN SYLLABICS WEST-CREE YWII	1566	ᑭ	CANADIAN SYLLABICS THA
1535	ᑭ	CANADIAN SYLLABICS YWO			• Sayisi (TA)
1536	ᑭ	CANADIAN SYLLABICS WEST-CREE YWO	1567	ᑭ	CANADIAN SYLLABICS THAA
1537	ᑭ	CANADIAN SYLLABICS YWO	1568	ᑭ	CANADIAN SYLLABICS THWAA
1538	ᑭ	CANADIAN SYLLABICS WEST-CREE YWO	1569	ᑭ	CANADIAN SYLLABICS WEST-CREE THWAA
1539	ᑭ	CANADIAN SYLLABICS YWA	156A	ᑭ	CANADIAN SYLLABICS TH
153A	ᑭ	CANADIAN SYLLABICS WEST-CREE YWA	156B	ᑭ	CANADIAN SYLLABICS TTHE
153B	ᑭ	CANADIAN SYLLABICS YWAA	156C	ᑭ	CANADIAN SYLLABICS TTHI
153C	ᑭ	CANADIAN SYLLABICS WEST-CREE YWAA	156D	ᑭ	CANADIAN SYLLABICS TTHO
153D	ᑭ	CANADIAN SYLLABICS NASKAPI YWAA			• Sayisi (TTHU)
153E	ᑭ	CANADIAN SYLLABICS Y	156E	ᑭ	CANADIAN SYLLABICS TTHA
153F	ᑭ	CANADIAN SYLLABICS BIBLE-CREE Y	156F	ᑭ	CANADIAN SYLLABICS TTH
1540	ᑭ	CANADIAN SYLLABICS WEST-CREE Y			• probably a mistaken interpretation of an asterisk used to mark a proper noun → 002A * asterisk
1541	ᑭ	CANADIAN SYLLABICS SAYISI YI	1570	ᑭ	CANADIAN SYLLABICS TYE
1542	ᑭ	CANADIAN SYLLABICS RE	1571	ᑭ	CANADIAN SYLLABICS TYI
		• Inuktitut (RAI)	1572	ᑭ	CANADIAN SYLLABICS TYO
1543	ᑭ	CANADIAN SYLLABICS R-CREE RE	1573	ᑭ	CANADIAN SYLLABICS TYA
		• Athapascan (LE)	1574	ᑭ	CANADIAN SYLLABICS NUNAVIK HE
1544	ᑭ	CANADIAN SYLLABICS WEST-CREE LE	1575	ᑭ	CANADIAN SYLLABICS NUNAVIK HI
		• Athapascan (LI)	1576	ᑭ	CANADIAN SYLLABICS NUNAVIK HII
1545	ᑭ	CANADIAN SYLLABICS RAAI	1577	ᑭ	CANADIAN SYLLABICS NUNAVIK HO
		• Inuktitut	1578	ᑭ	CANADIAN SYLLABICS NUNAVIK HOO
1546	ᑭ	CANADIAN SYLLABICS RI	1579	ᑭ	CANADIAN SYLLABICS NUNAVIK HAA
1547	ᑭ	CANADIAN SYLLABICS RII	157A	ᑭ	CANADIAN SYLLABICS NUNAVIK HAA
1548	ᑭ	CANADIAN SYLLABICS RO	157B	ᑭ	CANADIAN SYLLABICS NUNAVIK H
		• Inuktitut (RU)	157C	ᑭ	CANADIAN SYLLABICS NUNAVUT H
1549	ᑭ	CANADIAN SYLLABICS ROO	157D	ᑭ	CANADIAN SYLLABICS HK
		• Inuktitut (RUU)			• Algonquian
154A	ᑭ	CANADIAN SYLLABICS WEST-CREE LO			
		• Sayisi (LU)			

157E	ᑭ	CANADIAN SYLLABICS QAAI • Inuktitut	15AF	ᑭ	CANADIAN SYLLABICS AIVILIK B
157F	ᑭ	CANADIAN SYLLABICS QI	15B0	ᑭ	CANADIAN SYLLABICS BLACKFOOT E
1580	ᑭ	CANADIAN SYLLABICS QII	15B1	ᑭ	CANADIAN SYLLABICS BLACKFOOT I
1581	ᑭ	CANADIAN SYLLABICS QO • Inuktitut (QU)	15B2	ᑭ	CANADIAN SYLLABICS BLACKFOOT O
1582	ᑭ	CANADIAN SYLLABICS QOO • Inuktitut (QUU)	15B3	ᑭ	CANADIAN SYLLABICS BLACKFOOT A
1583	ᑭ	CANADIAN SYLLABICS QA	15B4	ᑭ	CANADIAN SYLLABICS BLACKFOOT WE
1584	ᑭ	CANADIAN SYLLABICS QAA	15B5	ᑭ	CANADIAN SYLLABICS BLACKFOOT WI
1585	ᑭ	CANADIAN SYLLABICS Q	15B6	ᑭ	CANADIAN SYLLABICS BLACKFOOT WO
1586	ᑭ	CANADIAN SYLLABICS TLHE • Sayisi (KLE)	15B7	ᑭ	CANADIAN SYLLABICS BLACKFOOT WA
1587	ᑭ	CANADIAN SYLLABICS TLHI • Sayisi (KLI)	15B8	ᑭ	CANADIAN SYLLABICS BLACKFOOT NE
1588	ᑭ	CANADIAN SYLLABICS TLHO • Sayisi (KLU)	15B9	ᑭ	CANADIAN SYLLABICS BLACKFOOT NI
1589	ᑭ	CANADIAN SYLLABICS TLHA • Sayisi (KLA)	15BA	ᑭ	CANADIAN SYLLABICS BLACKFOOT NO
158A	ᑭ	CANADIAN SYLLABICS WEST-CREE RE	15BB	ᑭ	CANADIAN SYLLABICS BLACKFOOT NA
158B	ᑭ	CANADIAN SYLLABICS WEST-CREE RI	15BC	ᑭ	CANADIAN SYLLABICS BLACKFOOT KE
158C	ᑭ	CANADIAN SYLLABICS WEST-CREE RO	15BD	ᑭ	CANADIAN SYLLABICS BLACKFOOT KI
158D	ᑭ	CANADIAN SYLLABICS WEST-CREE RA	15BE	ᑭ	CANADIAN SYLLABICS BLACKFOOT KO
158E	ᑭ	CANADIAN SYLLABICS NGAAI • Inuktitut	15BF	ᑭ	CANADIAN SYLLABICS BLACKFOOT KA
158F	ᑭ	CANADIAN SYLLABICS NGI	15C0	ᑭ	CANADIAN SYLLABICS SAYISI HE
1590	ᑭ	CANADIAN SYLLABICS NGII	15C1	ᑭ	CANADIAN SYLLABICS SAYISI HI
1591	ᑭ	CANADIAN SYLLABICS NGO • Inuktitut (NGU)	15C2	ᑭ	CANADIAN SYLLABICS SAYISI HO • Sayisi (HU)
1592	ᑭ	CANADIAN SYLLABICS NGOO • Inuktitut (NGUU)	15C3	ᑭ	CANADIAN SYLLABICS SAYISI HA
1593	ᑭ	CANADIAN SYLLABICS NGA	15C4	ᑭ	CANADIAN SYLLABICS CARRIER GHU
1594	ᑭ	CANADIAN SYLLABICS NGAA	15C5	ᑭ	CANADIAN SYLLABICS CARRIER GHO
1595	ᑭ	CANADIAN SYLLABICS NG	15C6	ᑭ	CANADIAN SYLLABICS CARRIER GHE
1596	ᑭ	CANADIAN SYLLABICS NNG	15C7	ᑭ	CANADIAN SYLLABICS CARRIER GHEE
1597	ᑭ	CANADIAN SYLLABICS SAYISI SHE	15C8	ᑭ	CANADIAN SYLLABICS CARRIER GHI
1598	ᑭ	CANADIAN SYLLABICS SAYISI SHI	15C9	ᑭ	CANADIAN SYLLABICS CARRIER GHA
1599	ᑭ	CANADIAN SYLLABICS SAYISI SHO • Sayisi (SHU)	15CA	ᑭ	CANADIAN SYLLABICS CARRIER RU
159A	ᑭ	CANADIAN SYLLABICS SAYISI SHA	15CB	ᑭ	CANADIAN SYLLABICS CARRIER RO
159B	ᑭ	CANADIAN SYLLABICS WOODS-CREE THE	15CC	ᑭ	CANADIAN SYLLABICS CARRIER RE
159C	ᑭ	CANADIAN SYLLABICS WOODS-CREE THI	15CD	ᑭ	CANADIAN SYLLABICS CARRIER REE
159D	ᑭ	CANADIAN SYLLABICS WOODS-CREE THO	15CE	ᑭ	CANADIAN SYLLABICS CARRIER RI
159E	ᑭ	CANADIAN SYLLABICS WOODS-CREE THA	15CF	ᑭ	CANADIAN SYLLABICS CARRIER RA
159F	ᑭ	CANADIAN SYLLABICS WOODS-CREE TH	15D0	ᑭ	CANADIAN SYLLABICS CARRIER WU
15A0	ᑭ	CANADIAN SYLLABICS LHI	15D1	ᑭ	CANADIAN SYLLABICS CARRIER WO
15A1	ᑭ	CANADIAN SYLLABICS LHII	15D2	ᑭ	CANADIAN SYLLABICS CARRIER WE
15A2	ᑭ	CANADIAN SYLLABICS LHO • Inuktitut (LHU)	15D3	ᑭ	CANADIAN SYLLABICS CARRIER WEE
15A3	ᑭ	CANADIAN SYLLABICS LHOO • Inuktitut (LHUU)	15D4	ᑭ	CANADIAN SYLLABICS CARRIER WI
15A4	ᑭ	CANADIAN SYLLABICS LHA	15D5	ᑭ	CANADIAN SYLLABICS CARRIER WA
15A5	ᑭ	CANADIAN SYLLABICS LHAA	15D6	ᑭ	CANADIAN SYLLABICS CARRIER HWU
15A6	ᑭ	CANADIAN SYLLABICS LH	15D7	ᑭ	CANADIAN SYLLABICS CARRIER HWO
15A7	ᑭ	CANADIAN SYLLABICS TH-CREE THE	15D8	ᑭ	CANADIAN SYLLABICS CARRIER HWE
15A8	ᑭ	CANADIAN SYLLABICS TH-CREE THI	15D9	ᑭ	CANADIAN SYLLABICS CARRIER HWEE
15A9	ᑭ	CANADIAN SYLLABICS TH-CREE THII	15DA	ᑭ	CANADIAN SYLLABICS CARRIER HWI
15AA	ᑭ	CANADIAN SYLLABICS TH-CREE THO	15DB	ᑭ	CANADIAN SYLLABICS CARRIER HWA
15AB	ᑭ	CANADIAN SYLLABICS TH-CREE THOO	15DC	ᑭ	CANADIAN SYLLABICS CARRIER THU
15AC	ᑭ	CANADIAN SYLLABICS TH-CREE THA	15DD	ᑭ	CANADIAN SYLLABICS CARRIER THO
15AD	ᑭ	CANADIAN SYLLABICS TH-CREE THAA	15DE	ᑭ	CANADIAN SYLLABICS CARRIER THE
15AE	ᑭ	CANADIAN SYLLABICS TH-CREE TH	15DF	ᑭ	CANADIAN SYLLABICS CARRIER THEE
			15E0	ᑭ	CANADIAN SYLLABICS CARRIER THI
			15E1	ᑭ	CANADIAN SYLLABICS CARRIER THA
			15E2	ᑭ	CANADIAN SYLLABICS CARRIER TTU
			15E3	ᑭ	CANADIAN SYLLABICS CARRIER TTO
			15E4	ᑭ	CANADIAN SYLLABICS CARRIER TTE
			15E5	ᑭ	CANADIAN SYLLABICS CARRIER TTEE
			15E6	ᑭ	CANADIAN SYLLABICS CARRIER TTI
			15E7	ᑭ	CANADIAN SYLLABICS CARRIER TTA
			15E8	ᑭ	CANADIAN SYLLABICS CARRIER PU
			15E9	ᑭ	CANADIAN SYLLABICS CARRIER PO
			15EA	ᑭ	CANADIAN SYLLABICS CARRIER PE
			15EB	ᑭ	CANADIAN SYLLABICS CARRIER PEE

15EC	ᐃ	CANADIAN SYLLABICS CARRIER PI	1623	ᐃ	CANADIAN SYLLABICS CARRIER LO
15ED	ᐄ	CANADIAN SYLLABICS CARRIER PA	1624	ᐅ	CANADIAN SYLLABICS CARRIER LE
15EE	ᐅ	CANADIAN SYLLABICS CARRIER P	1625	ᐆ	CANADIAN SYLLABICS CARRIER LEE
15EF	ᐆ	CANADIAN SYLLABICS CARRIER GU	1626	ᐇ	CANADIAN SYLLABICS CARRIER LI
15F0	ᐇ	CANADIAN SYLLABICS CARRIER GO	1627	ᐈ	CANADIAN SYLLABICS CARRIER LA
15F1	ᐈ	CANADIAN SYLLABICS CARRIER GE	1628	ᐉ	CANADIAN SYLLABICS CARRIER DLU
15F2	ᐉ	CANADIAN SYLLABICS CARRIER GEE	1629	ᐊ	CANADIAN SYLLABICS CARRIER DLO
15F3	ᐊ	CANADIAN SYLLABICS CARRIER GI	162A	ᐋ	CANADIAN SYLLABICS CARRIER DLE
15F4	ᐋ	CANADIAN SYLLABICS CARRIER GA	162B	ᐌ	CANADIAN SYLLABICS CARRIER DLEE
15F5	ᐌ	CANADIAN SYLLABICS CARRIER KHU	162C	ᐍ	CANADIAN SYLLABICS CARRIER DLI
15F6	ᐍ	CANADIAN SYLLABICS CARRIER KHO	162D	ᐎ	CANADIAN SYLLABICS CARRIER DLA
15F7	ᐎ	CANADIAN SYLLABICS CARRIER KHE	162E	ᐏ	CANADIAN SYLLABICS CARRIER LHU
15F8	ᐏ	CANADIAN SYLLABICS CARRIER KHEE	162F	ᐐ	CANADIAN SYLLABICS CARRIER LHO
15F9	ᐐ	CANADIAN SYLLABICS CARRIER KHI	1630	ᐑ	CANADIAN SYLLABICS CARRIER LHE
15FA	ᐑ	CANADIAN SYLLABICS CARRIER KHA	1631	ᐒ	CANADIAN SYLLABICS CARRIER LHEE
15FB	ᐒ	CANADIAN SYLLABICS CARRIER KGU	1632	ᐓ	CANADIAN SYLLABICS CARRIER LHI
15FC	ᐓ	CANADIAN SYLLABICS CARRIER KGO	1633	ᐔ	CANADIAN SYLLABICS CARRIER LHA
15FD	ᐔ	CANADIAN SYLLABICS CARRIER KKE	1634	ᐕ	CANADIAN SYLLABICS CARRIER TLHU
15FE	ᐕ	CANADIAN SYLLABICS CARRIER KKEE	1635	ᐖ	CANADIAN SYLLABICS CARRIER TLHO
15FF	ᐖ	CANADIAN SYLLABICS CARRIER KKI	1636	ᐗ	CANADIAN SYLLABICS CARRIER TLHE
1600	ᐗ	CANADIAN SYLLABICS CARRIER KKA	1637	ᐘ	CANADIAN SYLLABICS CARRIER TLHEE
1601	ᐘ	CANADIAN SYLLABICS CARRIER KK	1638	ᐙ	CANADIAN SYLLABICS CARRIER TLHI
1602	ᐙ	CANADIAN SYLLABICS CARRIER NU	1639	ᐚ	CANADIAN SYLLABICS CARRIER TLHA
1603	ᐚ	CANADIAN SYLLABICS CARRIER NO	163A	ᐛ	CANADIAN SYLLABICS CARRIER TLU
1604	ᐛ	CANADIAN SYLLABICS CARRIER NE	163B	ᐜ	CANADIAN SYLLABICS CARRIER TLO
1605	ᐜ	CANADIAN SYLLABICS CARRIER NEE	163C	ᐝ	CANADIAN SYLLABICS CARRIER TLE
1606	ᐝ	CANADIAN SYLLABICS CARRIER NI	163D	ᐞ	CANADIAN SYLLABICS CARRIER TLEE
1607	ᐞ	CANADIAN SYLLABICS CARRIER NA	163E	ᐟ	CANADIAN SYLLABICS CARRIER TLI
1608	ᐟ	CANADIAN SYLLABICS CARRIER MU	163F	ᐠ	CANADIAN SYLLABICS CARRIER TLA
1609	ᐠ	CANADIAN SYLLABICS CARRIER MO	1640	ᐡ	CANADIAN SYLLABICS CARRIER ZU
160A	ᐡ	CANADIAN SYLLABICS CARRIER ME	1641	ᐢ	CANADIAN SYLLABICS CARRIER ZO
160B	ᐢ	CANADIAN SYLLABICS CARRIER MEE	1642	ᐣ	CANADIAN SYLLABICS CARRIER ZE
160C	ᐣ	CANADIAN SYLLABICS CARRIER MI	1643	ᐤ	CANADIAN SYLLABICS CARRIER ZEE
160D	ᐤ	CANADIAN SYLLABICS CARRIER MA	1644	ᐥ	CANADIAN SYLLABICS CARRIER ZI
160E	ᐥ	CANADIAN SYLLABICS CARRIER YU	1645	ᐦ	CANADIAN SYLLABICS CARRIER ZA
160F	ᐦ	CANADIAN SYLLABICS CARRIER YO	1646	ᐧ	CANADIAN SYLLABICS CARRIER Z
1610	ᐧ	CANADIAN SYLLABICS CARRIER YE	1647	ᐨ	CANADIAN SYLLABICS CARRIER INITIAL Z
1611	ᐨ	CANADIAN SYLLABICS CARRIER YEE	1648	ᐩ	CANADIAN SYLLABICS CARRIER DZU
1612	ᐩ	CANADIAN SYLLABICS CARRIER YI	1649	ᐪ	CANADIAN SYLLABICS CARRIER DZO
1613	ᐪ	CANADIAN SYLLABICS CARRIER YA	164A	ᐫ	CANADIAN SYLLABICS CARRIER DZE
1614	ᐫ	CANADIAN SYLLABICS CARRIER JU	164B	ᐬ	CANADIAN SYLLABICS CARRIER DZEE
		• Athapascan (ZA), Sayisi (TZO), South Slavey (DHA)	164C	ᐭ	CANADIAN SYLLABICS CARRIER DZI
1615	ᐬ	CANADIAN SYLLABICS SAYISI JU	164D	ᐮ	CANADIAN SYLLABICS CARRIER DZA
		• Athapascan (ZO), Sayisi (TZU), South Slavey (DHO)	164E	ᐯ	CANADIAN SYLLABICS CARRIER SU
1616	ᐯ	CANADIAN SYLLABICS CARRIER JO	164F	ᐰ	CANADIAN SYLLABICS CARRIER SO
1617	ᐰ	CANADIAN SYLLABICS CARRIER JE	1650	ᐱ	CANADIAN SYLLABICS CARRIER SE
1618	ᐱ	CANADIAN SYLLABICS CARRIER JEE	1651	ᐲ	CANADIAN SYLLABICS CARRIER SEE
1619	ᐲ	CANADIAN SYLLABICS CARRIER JI	1652	ᐳ	CANADIAN SYLLABICS CARRIER SI
161A	ᐳ	CANADIAN SYLLABICS SAYISI JI	1653	ᐴ	CANADIAN SYLLABICS CARRIER SA
		• Athapascan (ZE), Sayisi (TZE), South Slavey (DHE)	1654	ᐵ	CANADIAN SYLLABICS CARRIER SHU
161B	ᐴ	CANADIAN SYLLABICS CARRIER JA	1655	ᐶ	CANADIAN SYLLABICS CARRIER SHO
		• Athapascan (ZI), Sayisi (TZI), South Slavey (DHI)	1656	ᐷ	CANADIAN SYLLABICS CARRIER SHE
161C	ᐷ	CANADIAN SYLLABICS CARRIER JGU	1657	ᐸ	CANADIAN SYLLABICS CARRIER SHEE
161D	ᐸ	CANADIAN SYLLABICS CARRIER JGO	1658	ᐹ	CANADIAN SYLLABICS CARRIER SHI
161E	ᐹ	CANADIAN SYLLABICS CARRIER JJE	1659	ᐺ	CANADIAN SYLLABICS CARRIER SHA
161F	ᐺ	CANADIAN SYLLABICS CARRIER JJEE	165A	ᐻ	CANADIAN SYLLABICS CARRIER SH
1620	ᐻ	CANADIAN SYLLABICS CARRIER JJI	165B	ᐼ	CANADIAN SYLLABICS CARRIER TSU
1621	ᐼ	CANADIAN SYLLABICS CARRIER JJA	165C	ᐽ	CANADIAN SYLLABICS CARRIER TSO
1622	ᐽ	CANADIAN SYLLABICS CARRIER LU	165D	ᐾ	CANADIAN SYLLABICS CARRIER TSE
			165E	ᐿ	CANADIAN SYLLABICS CARRIER TSEE
			165F	ᑀ	CANADIAN SYLLABICS CARRIER TSI
			1660	ᑁ	CANADIAN SYLLABICS CARRIER TSA

1661	ᑭ	CANADIAN SYLLABICS CARRIER CHU
1662	ᑭ	CANADIAN SYLLABICS CARRIER CHO
1663	ᑭ	CANADIAN SYLLABICS CARRIER CHE
1664	ᑭ	CANADIAN SYLLABICS CARRIER CHEE
1665	ᑭ	CANADIAN SYLLABICS CARRIER CHI
1666	ᑭ	CANADIAN SYLLABICS CARRIER CHA
1667	ᑭ	CANADIAN SYLLABICS CARRIER TTU
1668	ᑭ	CANADIAN SYLLABICS CARRIER TTUO
1669	ᑭ	CANADIAN SYLLABICS CARRIER TTSE
166A	ᑭ	CANADIAN SYLLABICS CARRIER TTSEE
166B	ᑭ	CANADIAN SYLLABICS CARRIER TTSI
166C	ᑭ	CANADIAN SYLLABICS CARRIER TTSA

Symbol

































166D	×	CANADIAN SYLLABICS CHI SIGN
		• Algonquian
		• used as a symbol to denote Christ
		→ 2627 𐄀 chi rho

Punctuation

166E	×	CANADIAN SYLLABICS FULL STOP
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Syllables

166F	ᑭ	CANADIAN SYLLABICS QAI
1670	ᑭ	CANADIAN SYLLABICS NGAI
1671	ᑭ	CANADIAN SYLLABICS NNGI
1672	ᑭ	CANADIAN SYLLABICS NNGII
1673	ᑭ	CANADIAN SYLLABICS NNGO
		• Inuktitut (NNGU)
1674	ᑭ	CANADIAN SYLLABICS NNGOO
		• Inuktitut (NNGUU)
1675	ᑭ	CANADIAN SYLLABICS NNGA
1676	ᑭ	CANADIAN SYLLABICS NNGAA
1677	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWEE
1678	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWI
1679	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWII
167A	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWO
167B	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWOO
167C	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWA
167D	ᑭ	CANADIAN SYLLABICS WOODS-CREE THWAA
167E	+	CANADIAN SYLLABICS WOODS-CREE FINAL TH
167F	=	CANADIAN SYLLABICS BLACKFOOT W





















	168	169
0	 1680	 1690
1	 1681	 1691
2	 1682	 1692
3	 1683	 1693
4	 1684	 1694
5	 1685	 1695
6	 1686	 1696
7	 1687	 1697
8	 1688	 1698
9	 1689	 1699
A	 168A	 169A
B	 168B	 169B
C	 168C	 169C
D	 168D	
E	 168E	
F	 168F	

An Ogham font typically displays all Ogham characters with a visible stemline, representing the edge of monumental Ogham inscriptions.







Punctuation

- 1680  OGHAM SPACE MARK
 • glyph is blank in "stemless" style fonts
 → 0020  space



Traditional letters

































































































- 1681  OGHAM LETTER BEITH
 1682  OGHAM LETTER LUIS
 1683  OGHAM LETTER FEARN
 1684  OGHAM LETTER SAIL
 1685  OGHAM LETTER NION
 1686  OGHAM LETTER UATH
 1687  OGHAM LETTER DAIR
 1688  OGHAM LETTER TINNE
 1689  OGHAM LETTER COLL
 168A  OGHAM LETTER CEIRT
 168B  OGHAM LETTER MUIN
 168C  OGHAM LETTER GORT
 168D  OGHAM LETTER NGEADAL
 168E  OGHAM LETTER STRAIF
 168F  OGHAM LETTER RUIS
 1690  OGHAM LETTER AILM
 1691  OGHAM LETTER ONN
 1692  OGHAM LETTER UR
 1693  OGHAM LETTER EADHADH
 1694  OGHAM LETTER IODHADH

Forfeda (supplementary letters)

- 1695  OGHAM LETTER EABHADH
 1696  OGHAM LETTER OR
 1697  OGHAM LETTER UILLEANN
 1698  OGHAM LETTER IFIN
 1699  OGHAM LETTER EAMHANCHOLL
 169A  OGHAM LETTER PEITH

Punctuation

- 169B  OGHAM FEATHER MARK
 • marks beginning of Ogham text
 169C  OGHAM REVERSED FEATHER MARK
 • marks end of Ogham text

	16A	16B	16C	16D	16E	16F
0	 16A0	 16B0	 16C0	 16D0	 16E0	 16F0
1	 16A1	 16B1	 16C1	 16D1	 16E1	
2	 16A2	 16B2	 16C2	 16D2	 16E2	
3	 16A3	 16B3	 16C3	 16D3	 16E3	
4	 16A4	 16B4	 16C4	 16D4	 16E4	
5	 16A5	 16B5	 16C5	 16D5	 16E5	
6	 16A6	 16B6	 16C6	 16D6	 16E6	
7	 16A7	 16B7	 16C7	 16D7	 16E7	
8	 16A8	 16B8	 16C8	 16D8	 16E8	
9	 16A9	 16B9	 16C9	 16D9	 16E9	
A	 16AA	 16BA	 16CA	 16DA	 16EA	
B	 16AB	 16BB	 16CB	 16DB	 16EB	
C	 16AC	 16BC	 16CC	 16DC	 16EC	
D	 16AD	 16BD	 16CD	 16DD	 16ED	
E	 16AE	 16BE	 16CE	 16DE	 16EE	
F	 16AF	 16BF	 16CF	 16DF	 16EF	

Letters

16A0	ƿ	RUNIC LETTER FEHU FEOH FE F
16A1	ᚠ	RUNIC LETTER V
16A2	ᚢ	RUNIC LETTER URUZ UR U
16A3	ᚦ	RUNIC LETTER YR
16A4	ᚨ	RUNIC LETTER Y
16A5	ᚱ	RUNIC LETTER W
16A6	ᚦ	RUNIC LETTER THURISAZ THURS THORN → 00FE ᚦ latin small letter thorn
16A7	ᚦ	RUNIC LETTER ETH
16A8	ᚦ	RUNIC LETTER ANSUZ A
16A9	ᚦ	RUNIC LETTER OS O
16AA	ᚦ	RUNIC LETTER AC A
16AB	ᚦ	RUNIC LETTER AESC
16AC	ᚦ	RUNIC LETTER LONG-BRANCH-OSS O
16AD	ᚦ	RUNIC LETTER SHORT-TWIG-OSS O
16AE	ᚦ	RUNIC LETTER O
16AF	ᚦ	RUNIC LETTER OE
16B0	ᚦ	RUNIC LETTER ON
16B1	ᚦ	RUNIC LETTER RAIDO RAD REID R
16B2	ᚦ	RUNIC LETTER KAUNA
16B3	ᚦ	RUNIC LETTER CEN
16B4	ᚦ	RUNIC LETTER KAUN K
16B5	ᚦ	RUNIC LETTER G
16B6	ᚦ	RUNIC LETTER ENG
16B7	ᚦ	RUNIC LETTER GEBO GYFU G
16B8	ᚦ	RUNIC LETTER GAR
16B9	ᚦ	RUNIC LETTER WUNJO WYNN W → 01BF ᚦ latin letter wynn
16BA	ᚦ	RUNIC LETTER HAGLAZ H
16BB	ᚦ	RUNIC LETTER HA EGL H
16BC	ᚦ	RUNIC LETTER LONG-BRANCH-HAGALL H
16BD	ᚦ	RUNIC LETTER SHORT-TWIG-HAGALL H
16BE	ᚦ	RUNIC LETTER NAUDIZ NYD NAUD N
16BF	ᚦ	RUNIC LETTER SHORT-TWIG-NAUD N
16C0	ᚦ	RUNIC LETTER DOTTED-N
16C1	ᚦ	RUNIC LETTER ISAZ IS ISS I
16C2	ᚦ	RUNIC LETTER E
16C3	ᚦ	RUNIC LETTER JERAN J
16C4	ᚦ	RUNIC LETTER GER
16C5	ᚦ	RUNIC LETTER LONG-BRANCH-AR AE
16C6	ᚦ	RUNIC LETTER SHORT-TWIG-AR A
16C7	ᚦ	RUNIC LETTER IWAZ EOH
16C8	ᚦ	RUNIC LETTER PERTHO PEORTH P
16C9	ᚦ	RUNIC LETTER ALGIZ EOLHX
16CA	ᚦ	RUNIC LETTER SOWILO S
16CB	ᚦ	RUNIC LETTER SIGEL LONG-BRANCH-SOL S
16CC	ᚦ	RUNIC LETTER SHORT-TWIG-SOL S
16CD	ᚦ	RUNIC LETTER C
16CE	ᚦ	RUNIC LETTER Z
16CF	ᚦ	RUNIC LETTER TIWAZ TIR TYR T
16D0	ᚦ	RUNIC LETTER SHORT-TWIG-TYR T
16D1	ᚦ	RUNIC LETTER D
16D2	ᚦ	RUNIC LETTER BERKANAN BEORC BJARKAN B
16D3	ᚦ	RUNIC LETTER SHORT-TWIG-BJARKAN B
16D4	ᚦ	RUNIC LETTER DOTTED-P
16D5	ᚦ	RUNIC LETTER OPEN-P
16D6	ᚦ	RUNIC LETTER EHWAZ EH E
16D7	ᚦ	RUNIC LETTER MANNAZ MAN M
16D8	ᚦ	RUNIC LETTER LONG-BRANCH-MADR M
16D9	ᚦ	RUNIC LETTER SHORT-TWIG-MADR M

































16DA	ᚦ	RUNIC LETTER LAUKAZ LAGU LOGR L
16DB	ᚦ	RUNIC LETTER DOTTED-L
16DC	ᚦ	RUNIC LETTER INGWAZ
16DD	ᚦ	RUNIC LETTER ING
16DE	ᚦ	RUNIC LETTER DAGAZ DAEG D
16DF	ᚦ	RUNIC LETTER OTHALAN ETHEL O
16E0	ᚦ	RUNIC LETTER EAR
16E1	ᚦ	RUNIC LETTER IOR
16E2	ᚦ	RUNIC LETTER CWEORTH
16E3	ᚦ	RUNIC LETTER CALC
16E4	ᚦ	RUNIC LETTER CEALC
16E5	ᚦ	RUNIC LETTER STAN
16E6	ᚦ	RUNIC LETTER LONG-BRANCH-YR
16E7	ᚦ	RUNIC LETTER SHORT-TWIG-YR
16E8	ᚦ	RUNIC LETTER ICELANDIC-YR
16E9	ᚦ	RUNIC LETTER Q
16EA	ᚦ	RUNIC LETTER X

Punctuation




16EB	·	RUNIC SINGLE PUNCTUATION
16EC	:	RUNIC MULTIPLE PUNCTUATION
16ED	+	RUNIC CROSS PUNCTUATION

Golden number runes
















16EE	ᚦ	RUNIC ARLAUG SYMBOL • golden number 17
16EF	ᚦ	RUNIC TVIMADUR SYMBOL • golden number 18
16F0	ᚦ	RUNIC BELGTHOR SYMBOL • golden number 19

	170	171
0	 1700	 1710
1	 1701	 1711
2	 1702	 1712
3	 1703	 1713
4	 1704	 1714
5	 1705	
6	 1706	
7	 1707	
8	 1708	
9	 1709	
A	 170A	
B	 170B	
C	 170C	
D		
E	 170E	
F	 170F	



Independent vowels

- 1700  TAGALOG LETTER A
- 1701  TAGALOG LETTER I
- 1702  TAGALOG LETTER U

Consonants
























- 1703  TAGALOG LETTER KA
- 1704  TAGALOG LETTER GA
- 1705  TAGALOG LETTER NGA
- 1706  TAGALOG LETTER TA
- 1707  TAGALOG LETTER DA
- 1708  TAGALOG LETTER NA
- 1709  TAGALOG LETTER PA
- 170A  TAGALOG LETTER BA
- 170B  TAGALOG LETTER MA
- 170C  TAGALOG LETTER YA
- 170D  <reserved>
- 170E  TAGALOG LETTER LA
- 170F  TAGALOG LETTER WA
- 1710  TAGALOG LETTER SA
- 1711  TAGALOG LETTER HA

Dependent vowel signs




- 1712  TAGALOG VOWEL SIGN I
- 1713  TAGALOG VOWEL SIGN U

Virama
















- 1714  TAGALOG SIGN VIRAMA

	172	173
0	 1720	 1730
1	 1721	 1731
2	 1722	 1732
3	 1723	 1733
4	 1724	 1734
5	 1725	 1735
6	 1726	 1736
7	 1727	
8	 1728	
9	 1729	
A	 172A	
B	 172B	
C	 172C	
D	 172D	
E	 172E	
F	 172F	



Independent vowels

- 1720  HANUNOO LETTER A
- 1721  HANUNOO LETTER I
- 1722  HANUNOO LETTER U

Consonants

- 1723  HANUNOO LETTER KA
- 1724  HANUNOO LETTER GA
- 1725  HANUNOO LETTER NG
- 1726  HANUNOO LETTER TA
- 1727  HANUNOO LETTER DA
- 1728  HANUNOO LETTER NA
- 1729  HANUNOO LETTER PA
- 172A  HANUNOO LETTER BA
- 172B  HANUNOO LETTER MA
- 172C  HANUNOO LETTER YA
- 172D  HANUNOO LETTER RA
- 172E  HANUNOO LETTER LA
- 172F  HANUNOO LETTER WA
- 1730  HANUNOO LETTER SA
- 1731  HANUNOO LETTER HA



Dependent vowel signs






















- 1732  HANUNOO VOWEL SIGN I
- 1733  HANUNOO VOWEL SIGN U

Virama




- 1734  HANUNOO SIGN PAMUDPOD

Generic punctuation for Philippine scripts
















- 1735  PHILIPPINE SINGLE PUNCTUATION
→ 0964 I devanagari danda
- 1736  PHILIPPINE DOUBLE PUNCTUATION
→ 0965 II devanagari double danda

	174	175
0	 1740	 1750
1	 1741	 1751
2	 1742	 1752
3	 1743	 1753
4	 1744	
5	 1745	
6	 1746	
7	 1747	
8	 1748	
9	 1749	
A	 174A	
B	 174B	
C	 174C	
D	 174D	
E	 174E	
F	 174F	



Independent vowels

































- 1740  BUHID LETTER A
- 1741  BUHID LETTER I
- 1742  BUHID LETTER U

Consonants




- 1743  BUHID LETTER KA
- 1744  BUHID LETTER GA
- 1745  BUHID LETTER NGA
- 1746  BUHID LETTER TA
- 1747  BUHID LETTER DA
- 1748  BUHID LETTER NA
- 1749  BUHID LETTER PA
- 174A  BUHID LETTER BA
- 174B  BUHID LETTER MA
- 174C  BUHID LETTER YA
- 174D  BUHID LETTER RA
- 174E  BUHID LETTER LA
- 174F  BUHID LETTER WA
- 1750  BUHID LETTER SA
- 1751  BUHID LETTER HA

Dependent vowel signs















- 1752  BUHID VOWEL SIGN I
- 1753  BUHID VOWEL SIGN U

	176	177
0	 1760	 1770
1	 1761	
2	 1762	 1772
3	 1763	 1773
4	 1764	
5	 1765	
6	 1766	
7	 1767	
8	 1768	
9	 1769	
A	 176A	
B	 176B	
C	 176C	
D		
E	 176E	
F	 176F	



Independent vowels

- 1760  TAGBANWA LETTER A
 1761  TAGBANWA LETTER I
 1762  TAGBANWA LETTER U

Consonants

- 1763  TAGBANWA LETTER KA
 1764  TAGBANWA LETTER GA
 1765  TAGBANWA LETTER NGA
 1766  TAGBANWA LETTER TA
 1767  TAGBANWA LETTER DA
 1768  TAGBANWA LETTER NA
 1769  TAGBANWA LETTER PA
 176A  TAGBANWA LETTER BA
 176B  TAGBANWA LETTER MA
 176C  TAGBANWA LETTER YA
 176D  <reserved>
 176E  TAGBANWA LETTER LA
 176F  TAGBANWA LETTER WA
 1770  TAGBANWA LETTER SA

Dependent vowel signs

- 1772  TAGBANWA VOWEL SIGN I
 1773  TAGBANWA VOWEL SIGN U

	178	179	17A	17B	17C	17D	17E	17F
0	ក 1780	ថ 1790	ហ 17A0	ញ 17B0	ៀ 17C0	័ 17D0	័ 17E0	័ 17F0
1	ខ 1781	ទ 1791	ឡ 17A1	ឌ 17B1	េ 17C1	័ 17D1	័ 17E1	័ 17F1
2	ត 1782	ធ 1792	អ 17A2	ច 17B2	ែ 17C2	័ 17D2	័ 17E2	័ 17F2
3	យ 1783	ន 1793	អ 17A3	ឌ 17B3	ៃ 17C3	័ 17D3	័ 17E3	័ 17F3
4	ង 1784	ប 1794	អា 17A4	KIV AQ 17B4	ៅ 17C4	័ 17D4	័ 17E4	័ 17F4
5	ច 1785	ផ 1795	ត 17A5	KIV AA 17B5	ៅ 17C5	័ 17D5	័ 17E5	័ 17F5
6	អ 1786	ព 1796	ឡ 17A6	ា 17B6	័ 17C6	័ 17D6	័ 17E6	័ 17F6
7	ជ 1787	ភ 1797	ឌ 17A7	័ 17B7	័ 17C7	័ 17D7	័ 17E7	័ 17F7
8	ឈ 1788	ម 1798	ឌ 17A8	័ 17B8	័ 17C8	័ 17D8	័ 17E8	័ 17F8
9	ញ 1789	យ 1799	ឌ 17A9	័ 17B9	័ 17C9	័ 17D9	័ 17E9	័ 17F9
A	ដ 178A	រ 179A	ឌ 17AA	័ 17BA	័ 17CA	័ 17DA		
B	ថ 178B	ល 179B	ប្រ 17AB	័ 17BB	័ 17CB	័ 17DB		
C	ខ 178C	រ 179C	ប្រ 17AC	័ 17BC	័ 17CC	័ 17DC		
D	ផ 178D	គ 179D	ព្រ 17AD	័ 17BD	័ 17CD	័ 17DD		
E	ណ 178E	ថ 179E	ព្រ 17AE	័ 17BE	័ 17CE			
F	ត 178F	ស 179F	ង 17AF	ៀ 17BF	័ 17CF			

Consonants

1780	ក	KHMER LETTER KA
1781	ខ	KHMER LETTER KHA
1782	គ	KHMER LETTER KO
1783	ឃ	KHMER LETTER KHO
1784	ង	KHMER LETTER NGO
1785	ច	KHMER LETTER CA
1786	ឆ	KHMER LETTER CHA
1787	ជ	KHMER LETTER CO
1788	ឈ	KHMER LETTER CHO
1789	ញ	KHMER LETTER NYO
178A	ដ	KHMER LETTER DA
178B	ប	KHMER LETTER TTHA
178C	ឌ	KHMER LETTER DO
178D	ឍ	KHMER LETTER TTHO
178E	ណ	KHMER LETTER NNO
		• as this character belongs to the first register, its correct transliteration is nna, not nno
178F	ត	KHMER LETTER TA
1790	ថ	KHMER LETTER THA
1791	ទ	KHMER LETTER TO
1792	ធ	KHMER LETTER THO
1793	ណ	KHMER LETTER NO
1794	ប	KHMER LETTER BA
1795	ផ	KHMER LETTER PHA
1796	ព	KHMER LETTER PO
1797	ភ	KHMER LETTER PHO
1798	ម	KHMER LETTER MO
1799	យ	KHMER LETTER YO
179A	រ	KHMER LETTER RO
179B	ល	KHMER LETTER LO
179C	វ	KHMER LETTER VO
179D	ឝ	KHMER LETTER SHA
		• used only for Pali/Sanskrit transliteration
179E	ឞ	KHMER LETTER SSO
		• used only for Pali/Sanskrit transliteration
		• as this character belongs to the first register, its correct transliteration is ssa, not sso
179F	ស	KHMER LETTER SA
17A0	ហ	KHMER LETTER HA
17A1	ឡ	KHMER LETTER LA
17A2	អ	KHMER LETTER QA
		• glottal stop

Deprecated independent vowels for transliteration

These cloned independent vowels were originally intended only for Pali/Sanskrit transliteration.

17A3	អ	KHMER INDEPENDENT VOWEL QAQ
		• use of this character is strongly discouraged; 17A2 អ should be used instead
17A4	អា	KHMER INDEPENDENT VOWEL QAA
		• use of this character is strongly discouraged; the sequence 17A2 អ 17B6 ា should be used instead

Independent vowels

17A5	ត	KHMER INDEPENDENT VOWEL QI
17A6	ញ	KHMER INDEPENDENT VOWEL QII
17A7	ឌ	KHMER INDEPENDENT VOWEL QU
17A8	ឍ	KHMER INDEPENDENT VOWEL QUK
		• obsolete ligature for the sequence 17A7 ឌ 1780 ក
		• use of the sequence is now preferred

17A9	ឡ	KHMER INDEPENDENT VOWEL QUU
17AA	ឡ	KHMER INDEPENDENT VOWEL QUUUV
17AB	ឡ	KHMER INDEPENDENT VOWEL RY
17AC	ឡ	KHMER INDEPENDENT VOWEL RYY
17AD	ឡ	KHMER INDEPENDENT VOWEL LY
17AE	ឡ	KHMER INDEPENDENT VOWEL LYY
17AF	ឡ	KHMER INDEPENDENT VOWEL QE
17B0	ឡ	KHMER INDEPENDENT VOWEL QAI
17B1	ឡ	KHMER INDEPENDENT VOWEL QOO TYPE ONE
17B2	ឡ	KHMER INDEPENDENT VOWEL QOO TYPE TWO
		• this is a variant for 17B1 ឡ, used in only two words
		• 17B1 ឡ is the normal variant of this vowel
17B3	ឡ	KHMER INDEPENDENT VOWEL QAU

Inherent vowels

These are for phonetic transcription to distinguish Indic language inherent vowels from Khmer inherent vowels. These characters are included solely for compatibility with particular applications; their use in other contexts is discouraged.

17B4	𑄀	KHMER VOWEL INHERENT AQ
17B5	𑄁	KHMER VOWEL INHERENT AA

Dependent vowel signs

17B6	្ក	KHMER VOWEL SIGN AA
17B7	្ខ	KHMER VOWEL SIGN I
17B8	្គ	KHMER VOWEL SIGN II
17B9	្ឃ	KHMER VOWEL SIGN Y
17BA	្ង	KHMER VOWEL SIGN YY
17BB	្ច	KHMER VOWEL SIGN U
17BC	្ឆ	KHMER VOWEL SIGN UU
17BD	្ជ	KHMER VOWEL SIGN UA

Two-part dependent vowel signs

These two-part dependent vowel signs have glyph pieces which stand on both sides of the consonant. These vowel signs follow the consonant in logical order, and should be handled as a unit for processing.

17BE	្ឈ	KHMER VOWEL SIGN OE
17BF	្ញ	KHMER VOWEL SIGN YA
17C0	្ដ	KHMER VOWEL SIGN IE

Dependent vowel signs

17C1	្ឋ	KHMER VOWEL SIGN E
17C2	្ឌ	KHMER VOWEL SIGN AE
17C3	្ឍ	KHMER VOWEL SIGN AI

Two-part dependent vowel signs

These two-part dependent vowel signs have glyph pieces which stand on both sides of the consonant. These vowel signs follow the consonant in logical order, and should be handled as a unit for processing.

17C4	្ណ	KHMER VOWEL SIGN OO
17C5	្ត	KHMER VOWEL SIGN AU

Various signs

17C6	្ត	KHMER SIGN NIKAHIT
		= srak am
		= anusvara
		• final nasalization
		• this character is usually regarded as a vowel sign am, along with om and aam
		→ 0E4D ្ត thai character nikhahit
		→ 1036 ្ត myanmar sign anusvara

- 17C7 ័្រ KHMER SIGN REAHMUK
= srak ah
= visarga
→ 1038 ័្រ myanmar sign visarga
- 17C8 ័្រ KHMER SIGN YUUKALEAPINTU
• inserts a short inherent vowel with abrupt glottal stop
• the preferred transliteration is yukaleapintu

Consonant shifters

These signs shift the base consonant between registers.

- 17C9 ័ KHMER SIGN MUUSIKATOAN
• changes the second register to the first
• the preferred transliteration is muusekatoan
- 17CA ័ KHMER SIGN TRIISAP
• changes the first register to the second
• the preferred transliteration is treisap

Various signs

- 17CB ័ KHMER SIGN BANTOC
• shortens the vowel sound in the previous orthographic syllable
• the preferred transliteration is bantak
- 17CC ័ KHMER SIGN ROBAT
• a diacritic historically corresponding to the repha form of ra in Devanagari
- 17CD ័ KHMER SIGN TOANDAKHIAT
• indicates that the base character is not pronounced
- 17CE ័ KHMER SIGN KAKABAT
• sign used with some exclamations
- 17CF ័ KHMER SIGN AHSDA
• denotes stressed intonation in some single-consonant words
- 17D0 ័ KHMER SIGN SAMYOK SANNYA
• denotes deviation from the general rules of pronunciation, mostly used in loan words from Pali/Sanskrit, French, and so on
- 17D1 ័ KHMER SIGN VIRIAM
• mostly obsolete, a “killer”
• indicates that the base character is the final consonant of a word without its inherent vowel sound
- 17D2 ័ KHMER SIGN COENG
• functions to indicate that the following Khmer letter is to be rendered subscripted
• shape shown is arbitrary and is not visibly rendered

Lunar date sign

- 17D3 ័ KHMER SIGN BATHAMASAT
• originally intended as part of lunar date symbols
• use of this character is discouraged in favor of the complete set of lunar date symbols
→ 19E0 ័ khmer symbol pathamasat

Various signs

- 17D4 ័ KHMER SIGN KHAN
• functions as a full stop, period
→ 0E2F ័ thai character paiyannoi
→ 104A ័ myanmar sign little section
- 17D5 ័ KHMER SIGN BARIYOOSAN
• indicates the end of a section or a text
→ 0E5A ័ thai character angkankhu
→ 104B ័ myanmar sign section

- 17D6 ័ KHMER SIGN CAMNUC PII KUUH
• functions as colon
• the preferred transliteration is camnoc pii kuuh
→ 00F7 ័ division sign
→ 0F14 ័ tibetan mark gter tsheg

- 17D7 ័ KHMER SIGN LEK TOO
• repetition sign
→ 0E46 ័ thai character maiyamok

- 17D8 ័ KHMER SIGN BEYYAL
• et cetera
• use of this character is discouraged; other abbreviations for et cetera also exist
• preferred spelling: 17D4 ័ 179B ័ 17D4 ័

- 17D9 ័ KHMER SIGN PHNAEK MUAN
• indicates the beginning of a book or a treatise
• the preferred transliteration is phnek moan
→ 0E4F ័ thai character fongman

- 17DA ័ KHMER SIGN KOOMUUT
• indicates the end of a book or treatise
• this forms a pair with 17D9 ័
• the preferred transliteration is koomoot
→ 0E5B ័ thai character khomut

Currency symbol

- 17DB ័ KHMER CURRENCY SYMBOL RIEL

Various signs

- 17DC ័ KHMER SIGN AVAKRAHASANYA
• rare, shows an omitted Sanskrit vowel, like an apostrophe
• the preferred transliteration is avakraha sannya
→ 093D ័ devanagari sign avagraha
- 17DD ័ KHMER SIGN ATTHACAN
• mostly obsolete
• indicates that the base character is the final consonant of a word with its inherent vowel sound
→ 17D1 ័ khmer sign viriam

Digits

- 17E0 ័ KHMER DIGIT ZERO
- 17E1 ័ KHMER DIGIT ONE
- 17E2 ័ KHMER DIGIT TWO
- 17E3 ័ KHMER DIGIT THREE
- 17E4 ័ KHMER DIGIT FOUR
- 17E5 ័ KHMER DIGIT FIVE
- 17E6 ័ KHMER DIGIT SIX
- 17E7 ័ KHMER DIGIT SEVEN
- 17E8 ័ KHMER DIGIT EIGHT
- 17E9 ័ KHMER DIGIT NINE

Numeric symbols for divination lore

These characters have numeric values 0-9, respectively, but are not used for calculation.

- 17F0 ័ KHMER SYMBOL LEK ATTAK SON
- 17F1 ័ KHMER SYMBOL LEK ATTAK MUOY
- 17F2 ័ KHMER SYMBOL LEK ATTAK PII
- 17F3 ័ KHMER SYMBOL LEK ATTAK BEI
- 17F4 ័ KHMER SYMBOL LEK ATTAK BUON
- 17F5 ័ KHMER SYMBOL LEK ATTAK PRAM
- 17F6 ័ KHMER SYMBOL LEK ATTAK PRAM-MUOY
- 17F7 ័ KHMER SYMBOL LEK ATTAK PRAM-PII
- 17F8 ័ KHMER SYMBOL LEK ATTAK PRAM-BEI
- 17F9 ័ KHMER SYMBOL LEK ATTAK PRAM-BUON

	180	181	182	183	184	185	186	187	188	189	18A
0	ᠠ	ᠡ	ᠢ	ᠣ	ᠤ	ᠥ	ᠦ	ᠨ	ᠨ	ᠨ	ᠨ
	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	18A0
1	ᠠᠠ	ᠡᠡ	ᠢᠢ	ᠣᠣ	ᠤᠤ	ᠥᠥ	ᠦᠦ	ᠨᠨ	ᠨᠨ	ᠨᠨ	ᠨᠨ
	1801	1811	1821	1831	1841	1851	1861	1871	1881	1891	18A1
2	ᠠᠨ	ᠡᠨ	ᠢᠨ	ᠣᠨ	ᠤᠨ	ᠥᠨ	ᠦᠨ	ᠨᠨ	ᠨᠨ	ᠨᠨ	ᠨᠨ
	1802	1812	1822	1832	1842	1852	1862	1872	1882	1892	18A2
3	ᠠᠨᠠ	ᠡᠨᠡ	ᠢᠨᠢ	ᠣᠨᠣ	ᠤᠨᠤ	ᠥᠨᠥ	ᠦᠨᠦ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1803	1813	1823	1833	1843	1853	1863	1873	1883	1893	18A3
4	ᠠᠨᠡ	ᠡᠨᠢ	ᠢᠨᠣ	ᠣᠨᠤ	ᠤᠨᠥ	ᠥᠨᠦ	ᠦᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1804	1814	1824	1834	1844	1854	1864	1874	1884	1894	18A4
5	ᠠᠨᠢ	ᠡᠨᠣ	ᠢᠨᠤ	ᠣᠨᠥ	ᠤᠨᠦ	ᠥᠨᠨ	ᠦᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1805	1815	1825	1835	1845	1855	1865	1875	1885	1895	18A5
6	ᠠᠨᠣ	ᠡᠨᠤ	ᠢᠨᠥ	ᠣᠨᠦ	ᠤᠨᠨ	ᠥᠨᠨ	ᠦᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1806	1816	1826	1836	1846	1856	1866	1876	1886	1896	18A6
7	ᠠᠨᠥ	ᠡᠨᠦ	ᠢᠨᠦ	ᠣᠨᠨ	ᠤᠨᠨ	ᠥᠨᠨ	ᠦᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1807	1817	1827	1837	1847	1857	1867	1877	1887	1897	18A7
8	ᠠᠨᠦ	ᠡᠨᠨ	ᠢᠨᠨ	ᠣᠨᠨ	ᠤᠨᠨ	ᠥᠨᠨ	ᠦᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1808	1818	1828	1838	1848	1858	1868		1888	1898	18A8
9	ᠠᠨᠨ	ᠡᠨᠨ	ᠢᠨᠨ	ᠣᠨᠨ	ᠤᠨᠨ	ᠥᠨᠨ	ᠦᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	1809	1819	1829	1839	1849	1859	1869		1889	1899	18A9
A	ᠠᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ
	180A		182A	183A	184A	185A	186A		188A	189A	18AA
B	FV S1		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	
	180B		182B	183B	184B	185B	186B		188B	189B	
C	FV S2		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	
	180C		182C	183C	184C	185C	186C		188C	189C	
D	FV S3		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	
	180D		182D	183D	184D	185D	186D		188D	189D	
E	MV S		ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	
	180E		182E	183E	184E	185E	186E		188E	189E	
F			ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ	ᠨᠨᠨ		ᠨᠨᠨ	ᠨᠨᠨ	
			182F	183F	184F	185F	186F		188F	189F	

Punctuation

1800	᠎	MONGOLIAN BIRGA → 0F04 ᠎ tibetan mark initial yig mgo mdun ma
1801	᠎	MONGOLIAN ELLIPSIS
1802	᠎	MONGOLIAN COMMA
1803	᠎	MONGOLIAN FULL STOP
1804	᠎	MONGOLIAN COLON
1805	᠎	MONGOLIAN FOUR DOTS • marks the end of a chapter
1806	᠎	MONGOLIAN TODO SOFT HYPHEN • not a format control character, but simply a hyphen for Todo → 00AD ᠎ soft hyphen
1807	᠎	MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
1808	᠎	MONGOLIAN MANCHU COMMA
1809	᠎	MONGOLIAN MANCHU FULL STOP
180A	᠎	MONGOLIAN NIRUGU

Format controls

180B	᠎	MONGOLIAN FREE VARIATION SELECTOR ONE • abbreviated FVS1
180C	᠎	MONGOLIAN FREE VARIATION SELECTOR TWO • abbreviated FVS2
180D	᠎	MONGOLIAN FREE VARIATION SELECTOR THREE • abbreviated FVS3
180E	᠎	MONGOLIAN VOWEL SEPARATOR • abbreviated MVS

Digits

1810	᠎	MONGOLIAN DIGIT ZERO
1811	᠎	MONGOLIAN DIGIT ONE
1812	᠎	MONGOLIAN DIGIT TWO
1813	᠎	MONGOLIAN DIGIT THREE
1814	᠎	MONGOLIAN DIGIT FOUR
1815	᠎	MONGOLIAN DIGIT FIVE
1816	᠎	MONGOLIAN DIGIT SIX
1817	᠎	MONGOLIAN DIGIT SEVEN
1818	᠎	MONGOLIAN DIGIT EIGHT
1819	᠎	MONGOLIAN DIGIT NINE

Basic letters

1820	᠎	MONGOLIAN LETTER A → 0430 ᠎ cyrillic small letter a
1821	᠎	MONGOLIAN LETTER E → 044D ᠎ cyrillic small letter e
1822	᠎	MONGOLIAN LETTER I → 0438 ᠎ cyrillic small letter i
1823	᠎	MONGOLIAN LETTER O → 043E ᠎ cyrillic small letter o
1824	᠎	MONGOLIAN LETTER U → 0443 ᠎ cyrillic small letter u
1825	᠎	MONGOLIAN LETTER OE → 04E9 ᠎ cyrillic small letter barred o
1826	᠎	MONGOLIAN LETTER UE → 04AF ᠎ cyrillic small letter straight u
1827	᠎	MONGOLIAN LETTER EE
1828	᠎	MONGOLIAN LETTER NA → 043D ᠎ cyrillic small letter en
1829	᠎	MONGOLIAN LETTER ANG
182A	᠎	MONGOLIAN LETTER BA → 0431 ᠎ cyrillic small letter be

182B	᠎	MONGOLIAN LETTER PA → 043F ᠎ cyrillic small letter pe
182C	᠎	MONGOLIAN LETTER QA → 0445 ᠎ cyrillic small letter ha
182D	᠎	MONGOLIAN LETTER GA → 0433 ᠎ cyrillic small letter ghe
182E	᠎	MONGOLIAN LETTER MA → 043C ᠎ cyrillic small letter em
182F	᠎	MONGOLIAN LETTER LA → 043B ᠎ cyrillic small letter el
1830	᠎	MONGOLIAN LETTER SA → 0441 ᠎ cyrillic small letter es
1831	᠎	MONGOLIAN LETTER SHA → 0448 ᠎ cyrillic small letter sha
1832	᠎	MONGOLIAN LETTER TA → 0442 ᠎ cyrillic small letter te
1833	᠎	MONGOLIAN LETTER DA → 0434 ᠎ cyrillic small letter de
1834	᠎	MONGOLIAN LETTER CHA → 0447 ᠎ cyrillic small letter che
1835	᠎	MONGOLIAN LETTER JA → 0436 ᠎ cyrillic small letter zhe
1836	᠎	MONGOLIAN LETTER YA → 0439 ᠎ cyrillic small letter short i
1837	᠎	MONGOLIAN LETTER RA → 0440 ᠎ cyrillic small letter er
1838	᠎	MONGOLIAN LETTER WA → 0432 ᠎ cyrillic small letter ve
1839	᠎	MONGOLIAN LETTER FA → 0444 ᠎ cyrillic small letter ef
183A	᠎	MONGOLIAN LETTER KA → 0445 ᠎ cyrillic small letter ha
183B	᠎	MONGOLIAN LETTER KHA → 043A ᠎ cyrillic small letter ka
183C	᠎	MONGOLIAN LETTER TSA → 0446 ᠎ cyrillic small letter tse
183D	᠎	MONGOLIAN LETTER ZA → 0437 ᠎ cyrillic small letter ze
183E	᠎	MONGOLIAN LETTER HAA → 0445 ᠎ cyrillic small letter ha
183F	᠎	MONGOLIAN LETTER ZRA → 0436 ᠎ cyrillic small letter zhe
1840	᠎	MONGOLIAN LETTER LHA
1841	᠎	MONGOLIAN LETTER ZHI
1842	᠎	MONGOLIAN LETTER CHI

Todo letters

1843	᠎	MONGOLIAN LETTER TODO LONG VOWEL SIGN
1844	᠎	MONGOLIAN LETTER TODO E
1845	᠎	MONGOLIAN LETTER TODO I
1846	᠎	MONGOLIAN LETTER TODO O
1847	᠎	MONGOLIAN LETTER TODO U
1848	᠎	MONGOLIAN LETTER TODO OE
1849	᠎	MONGOLIAN LETTER TODO UE
184A	᠎	MONGOLIAN LETTER TODO ANG
184B	᠎	MONGOLIAN LETTER TODO BA
184C	᠎	MONGOLIAN LETTER TODO PA
184D	᠎	MONGOLIAN LETTER TODO QA
184E	᠎	MONGOLIAN LETTER TODO GA
184F	᠎	MONGOLIAN LETTER TODO MA
1850	᠎	MONGOLIAN LETTER TODO TA
1851	᠎	MONGOLIAN LETTER TODO DA

Syllables for Moose Cree

18B0	ᐃ	CANADIAN SYLLABICS OY
18B1	ᐅ	CANADIAN SYLLABICS AY
18B2	ᐇ	CANADIAN SYLLABICS AAY
18B3	ᐉ	CANADIAN SYLLABICS WAY
18B4	ᐋ	CANADIAN SYLLABICS POY
18B5	ᐍ	CANADIAN SYLLABICS PAY
18B6	ᐏ	CANADIAN SYLLABICS PWOY
18B7	ᐑ	CANADIAN SYLLABICS TAY
18B8	ᐓ	CANADIAN SYLLABICS KAY
18B9	ᐕ	CANADIAN SYLLABICS KWAY
18BA	ᐗ	CANADIAN SYLLABICS MAY
18BB	ᐙ	CANADIAN SYLLABICS NOY
18BC	ᐛ	CANADIAN SYLLABICS NAY
18BD	ᐝ	CANADIAN SYLLABICS LAY
18BE	ᐟ	CANADIAN SYLLABICS SOY
18BF	ᐡ	CANADIAN SYLLABICS SAY
18C0	ᐣ	CANADIAN SYLLABICS SHOY
18C1	ᐥ	CANADIAN SYLLABICS SHAY
18C2	ᐧ	CANADIAN SYLLABICS SHWOY
18C3	ᐩ	CANADIAN SYLLABICS YOY
18C4	ᐫ	CANADIAN SYLLABICS YAY
18C5	ᐭ	CANADIAN SYLLABICS RAY

Syllables for Cree and Ojibway

18C6	ᐮ	CANADIAN SYLLABICS NWI
18C7	ᐯ	CANADIAN SYLLABICS OJIBWAY NWI
18C8	ᐱ	CANADIAN SYLLABICS NWII
18C9	ᐲ	CANADIAN SYLLABICS OJIBWAY NWII
18CA	ᐴ	CANADIAN SYLLABICS NWO
18CB	ᐵ	CANADIAN SYLLABICS OJIBWAY NWO
18CC	ᐷ	CANADIAN SYLLABICS NWOO
18CD	ᐹ	CANADIAN SYLLABICS OJIBWAY NWOO
18CE	ᐻ	CANADIAN SYLLABICS RWEE
18CF	ᐽ	CANADIAN SYLLABICS RWI
18D0	ᐿ	CANADIAN SYLLABICS RWII
18D1	ᑀ	CANADIAN SYLLABICS RWO
18D2	ᑁ	CANADIAN SYLLABICS RWOO
18D3	ᑃ	CANADIAN SYLLABICS RWA

Finals for Cree and Ojibway

18D4	ᑅ	CANADIAN SYLLABICS OJIBWAY P
18D5	ᑆ	CANADIAN SYLLABICS OJIBWAY T
18D6	ᑇ	CANADIAN SYLLABICS OJIBWAY K
18D7	ᑈ	CANADIAN SYLLABICS OJIBWAY C
18D8	ᑉ	CANADIAN SYLLABICS OJIBWAY M
18D9	ᑊ	CANADIAN SYLLABICS OJIBWAY N
18DA	ᑋ	CANADIAN SYLLABICS OJIBWAY S
18DB	ᑌ	CANADIAN SYLLABICS OJIBWAY SH
18DC	ᑍ	CANADIAN SYLLABICS EASTERN W
18DD	ᑎ	CANADIAN SYLLABICS WESTERN W
18DE	ᑏ	CANADIAN SYLLABICS FINAL SMALL RING
18DF	ᑐ	CANADIAN SYLLABICS FINAL RAISED DOT • Carrier (GLOTTAL STOP)

Syllables for Beaver Dene, Hare Dene, and Chipewyan Dene

18E0	ᑑ	CANADIAN SYLLABICS R-CREE RWE • Beaver Dene (LYE)
18E1	ᑒ	CANADIAN SYLLABICS WEST-CREE LOO • Chipewyan Dene (LU)
18E2	ᑓ	CANADIAN SYLLABICS WEST-CREE LAA • Beaver Dene (LAI)

18E3	ᑔ	CANADIAN SYLLABICS THWE • Beaver Dene (TYE)
18E4	ᑕ	CANADIAN SYLLABICS THWA • Beaver Dene (TYA)
18E5	ᑖ	CANADIAN SYLLABICS TTHWE • Beaver Dene (HYE)
18E6	ᑗ	CANADIAN SYLLABICS TTHOO • Chipewyan Dene (TTHU)
18E7	ᑘ	CANADIAN SYLLABICS TTHAA • Beaver Dene (HAI)
18E8	ᑙ	CANADIAN SYLLABICS TLHWE • Beaver Dene (TLYE)
18E9	ᑚ	CANADIAN SYLLABICS TLHOO • Chipewyan Dene (TLU)
18EA	ᑛ	CANADIAN SYLLABICS SAYISI SHWE • Beaver Dene (ZYE)
18EB	ᑜ	CANADIAN SYLLABICS SAYISI SHOO • Chipewyan Dene (SHU)
18EC	ᑝ	CANADIAN SYLLABICS SAYISI HOO • Chipewyan Dene (GU)
18ED	ᑞ	CANADIAN SYLLABICS CARRIER GWU • Beaver Dene (CHYE)
18EE	ᑟ	CANADIAN SYLLABICS CARRIER DENE GEE • Chipewyan Dene (CHU)
18EF	ᑠ	CANADIAN SYLLABICS CARRIER GAA • Beaver Dene (CHAI)
18F0	ᑡ	CANADIAN SYLLABICS CARRIER GWA • Hare Dene (SHYA)
18F1	ᑢ	CANADIAN SYLLABICS SAYISI JUU • Chipewyan Dene (TSU)
18F2	ᑣ	CANADIAN SYLLABICS CARRIER JWA • Beaver Dene (TSYE)

Finals for Dene and Carrier

18F3	ᑤ	CANADIAN SYLLABICS BEAVER DENE L
18F4	ᑥ	CANADIAN SYLLABICS BEAVER DENE R
18F5	ᑦ	CANADIAN SYLLABICS CARRIER DENTAL S

	190	191	192	193	194
0	𑄀 1900	𑄁 1910	𑄂 1920	𑄃 1930	𑄄 1940
1	𑄅 1901	𑄆 1911	𑄇 1921	𑄈 1931	
2	𑄉 1902	𑄊 1912	𑄋 1922	𑄌 1932	
3	𑄍 1903	𑄎 1913	𑄏 1923	𑄐 1933	
4	𑄑 1904	𑄒 1914	𑄓 1924	𑄔 1934	𑄕 1944
5	𑄖 1905	𑄗 1915	𑄘 1925	𑄙 1935	𑄚 1945
6	𑄛 1906	𑄜 1916	𑄝 1926	𑄞 1936	𑄟 1946
7	𑄠 1907	𑄡 1917	𑄢 1927	𑄣 1937	𑄤 1947
8	𑄥 1908	𑄦 1918	𑄧 1928	𑄨 1938	𑄩 1948
9	𑄪 1909	𑄫 1919	𑄬 1929	𑄭 1939	𑄮 1949
A	𑄯 190A	𑄰 191A	𑄱 192A	𑄲 193A	𑄳 194A
B	𑄴 190B	𑄵 191B	𑄶 192B	𑄷 193B	𑄸 194B
C	𑄹 190C	𑄺 191C			𑄻 194C
D	𑄼 190D				𑄽 194D
E	𑄾 190E				𑄿 194E
F	𑅀 190F				𑅁 194F

Consonants

1900	𑄀	LIMBU VOWEL-CARRIER LETTER
1901	𑄁	LIMBU LETTER KA
1902	𑄂	LIMBU LETTER KHA
1903	𑄃	LIMBU LETTER GA
1904	𑄄	LIMBU LETTER GHA
1905	𑄅	LIMBU LETTER NGA
1906	𑄆	LIMBU LETTER CA
1907	𑄇	LIMBU LETTER CHA
1908	𑄈	LIMBU LETTER JA
1909	𑄉	LIMBU LETTER JHA
190A	𑄊	LIMBU LETTER YAN
190B	𑄋	LIMBU LETTER TA
190C	𑄌	LIMBU LETTER THA
190D	𑄍	LIMBU LETTER DA
190E	𑄎	LIMBU LETTER DHA
190F	𑄏	LIMBU LETTER NA
1910	𑄐	LIMBU LETTER PA
1911	𑄑	LIMBU LETTER PHA
1912	𑄒	LIMBU LETTER BA
1913	𑄓	LIMBU LETTER BHA
1914	𑄔	LIMBU LETTER MA
1915	𑄕	LIMBU LETTER YA
1916	𑄖	LIMBU LETTER RA
1917	𑄗	LIMBU LETTER LA
1918	𑄘	LIMBU LETTER WA
1919	𑄙	LIMBU LETTER SHA
191A	𑄚	LIMBU LETTER SSA
191B	𑄛	LIMBU LETTER SA
191C	𑄜	LIMBU LETTER HA

Dependent vowel signs

1920	𑄝	LIMBU VOWEL SIGN A
1921	𑄞	LIMBU VOWEL SIGN I
1922	𑄟	LIMBU VOWEL SIGN U
1923	𑄠	LIMBU VOWEL SIGN EE
1924	𑄡	LIMBU VOWEL SIGN AI
1925	𑄢	LIMBU VOWEL SIGN OO
1926	𑄣	LIMBU VOWEL SIGN AU
1927	𑄤	LIMBU VOWEL SIGN E
1928	𑄥	LIMBU VOWEL SIGN O

Subjoined consonants

1929	𑄦	LIMBU SUBJOINED LETTER YA
192A	𑄧	LIMBU SUBJOINED LETTER RA
192B	𑄨	LIMBU SUBJOINED LETTER WA

Final consonants

1930	𑄩	LIMBU SMALL LETTER KA
1931	𑄪	LIMBU SMALL LETTER NGA
1932	𑄫	LIMBU SMALL LETTER ANUSVARA
1933	𑄬	LIMBU SMALL LETTER TA
1934	𑄭	LIMBU SMALL LETTER NA
1935	𑄮	LIMBU SMALL LETTER PA
1936	𑄯	LIMBU SMALL LETTER MA
1937	𑄰	LIMBU SMALL LETTER RA
1938	𑄱	LIMBU SMALL LETTER LA

Various signs

1939	𑄲	LIMBU SIGN MUKPHRENG
193A	𑄳	LIMBU SIGN KEMPHRENG
193B	𑄴	LIMBU SIGN SA-I
193C	𑄵	<reserved>

193D	𑄶	<reserved>
193E	𑄷	<reserved>
193F	𑄸	<reserved>
1940	𑄹	LIMBU SIGN LOO
1941	𑄺	<reserved>
1942	𑄻	<reserved>
1943	𑄼	<reserved>
1944	𑄽	LIMBU EXCLAMATION MARK
1945	𑄾	LIMBU QUESTION MARK

Digits

1946	0	LIMBU DIGIT ZERO
1947	𑄿	LIMBU DIGIT ONE
1948	𑅀	LIMBU DIGIT TWO
1949	𑅁	LIMBU DIGIT THREE
194A	𑅂	LIMBU DIGIT FOUR
194B	𑅃	LIMBU DIGIT FIVE
194C	𑅄	LIMBU DIGIT SIX
194D	𑅅	LIMBU DIGIT SEVEN
194E	𑅆	LIMBU DIGIT EIGHT
194F	𑅇	LIMBU DIGIT NINE

	195	196	197
0	ᨁ 1950	ᨂ 1960	ᨃ 1970
1	ᨄ 1951	ᨅ 1961	ᨆ 1971
2	ᨇ 1952	ᨈ 1962	ᨉ 1972
3	ᨊ 1953	ᨋ 1963	ᨌ 1973
4	ᨍ 1954	ᨎ 1964	ᨏ 1974
5	ᨐ 1955	ᨑ 1965	
6	ᨒ 1956	ᨓ 1966	
7	ᨔ 1957	ᨕ 1967	
8	ᨖ 1958	ᨗ 1968	
9	ᨘ 1959	ᨙ 1969	
A	ᨚ 195A	ᨛ 196A	
B	᨜ 195B	᨝ 196B	
C	᨞ 195C	᨟ 196C	
D	ᨠ 195D	ᨡ 196D	
E	ᨣ 195E		
F	ᨤ 195F		

Note the similarly named but distinct New Tai Lue script encoded at U+1980..U+19DF.

Consonants

- 1950 ᨁ TAI LE LETTER KA
- 1951 ᨂ TAI LE LETTER XA
- 1952 ᨃ TAI LE LETTER NGA
- 1953 ᨄ TAI LE LETTER TSA
- 1954 ᨅ TAI LE LETTER SA
- 1955 ᨆ TAI LE LETTER YA
- 1956 ᨇ TAI LE LETTER TA
- 1957 ᨈ TAI LE LETTER THA
- 1958 ᨉ TAI LE LETTER LA
- 1959 ᨊ TAI LE LETTER PA
- 195A ᨋ TAI LE LETTER PHA
- 195B ᨌ TAI LE LETTER MA
- 195C ᨍ TAI LE LETTER FA
- 195D ᨎ TAI LE LETTER VA
- 195E ᨏ TAI LE LETTER HA
- 195F ᨐ TAI LE LETTER QA
- 1960 ᨑ TAI LE LETTER KHA
- 1961 ᨒ TAI LE LETTER TSHA
- 1962 ᨓ TAI LE LETTER NA

Vowels

- 1963 ᨔ TAI LE LETTER A
- 1964 ᨕ TAI LE LETTER I
- 1965 ᨖ TAI LE LETTER EE
- 1966 ᨗ TAI LE LETTER EH
- 1967 ᨘ TAI LE LETTER U
- 1968 ᨙ TAI LE LETTER OO
- 1969 ᨚ TAI LE LETTER O
- 196A ᨛ TAI LE LETTER UE
- 196B ᨜ TAI LE LETTER E
- 196C ᨝ TAI LE LETTER AUE
- 196D ᨞ TAI LE LETTER AI

Tone letters

- 1970 ᨟ TAI LE LETTER TONE-2
- 1971 ᨠ TAI LE LETTER TONE-3
- 1972 ᨡ TAI LE LETTER TONE-4
- 1973 ᨢ TAI LE LETTER TONE-5
- 1974 ᨣ TAI LE LETTER TONE-6

	198	199	19A	19B	19C	19D
0	ꨀ 1980	ꨁ 1990	ꨂ 19A0	ꨃ 19B0	ꨄ 19C0	ꨅ 19D0
1	ꨆ 1981	ꨇ 1991	ꨈ 19A1	ꨉ 19B1	ꨊ 19C1	ꨋ 19D1
2	ꨌ 1982	ꨍ 1992	ꨎ 19A2	ꨏ 19B2	ꨐ 19C2	ꨑ 19D2
3	ꨒ 1983	ꨓ 1993	ꨔ 19A3	ꨕ 19B3	ꨖ 19C3	ꨗ 19D3
4	ꨙ 1984	ꨚ 1994	ꨛ 19A4	ꨜ 19B4	ꨝ 19C4	ꨞ 19D4
5	ꨟ 1985	ꨠ 1995	ꨡ 19A5	ꨢ 19B5	ꨣ 19C5	ꨤ 19D5
6	ꨦ 1986	ꨧ 1996	ꨨ 19A6	ꨩ 19B6	ꨪ 19C6	ꨫ 19D6
7	ꨭ 1987	ꨮ 1997	ꨯ 19A7	ꨰ 19B7	ꨱ 19C7	ꨲ 19D7
8	ꨴ 1988	ꨵ 1998	ꨶ 19A8	꨷ 19B8	꨸ 19C8	꨹ 19D8
9	꨺ 1989	꨻ 1999	꨼ 19A9	꨽ 19B9	꨾ 19C9	꨿ 19D9
A	ꩀ 198A	ꩁ 199A	ꩂ 19AA	ꩃ 19BA		ꩄ 19DA
B	ꩆ 198B	ꩇ 199B	ꩈ 19AB	ꩉ 19BB		
C	ꩊ 198C	ꩋ 199C		ꩌ 19BC		
D	꩎ 198D	꩏ 199D		꩐ 19BD		
E	꩒ 198E	꩓ 199E		꩔ 19BE		꩕ 19DE
F	꩖ 198F	꩗ 199F		꩘ 19BF		꩙ 19DF

Note the similarly named but distinct Tai Le script encoded at U+1950..U+197F. The New Tai Lue script is also known as Xishuang Banna Dai.

Consonants

1980	ᨆ	NEW TAI LUE LETTER HIGH QA
1981	ᨇ	NEW TAI LUE LETTER LOW QA
1982	ᨈ	NEW TAI LUE LETTER HIGH KA
1983	ᨉ	NEW TAI LUE LETTER HIGH XA
1984	ᨊ	NEW TAI LUE LETTER HIGH NGA
1985	ᨋ	NEW TAI LUE LETTER LOW KA
1986	ᨌ	NEW TAI LUE LETTER LOW XA
1987	ᨍ	NEW TAI LUE LETTER LOW NGA
1988	ᨎ	NEW TAI LUE LETTER HIGH TSA
1989	ᨏ	NEW TAI LUE LETTER HIGH SA
198A	ᨐ	NEW TAI LUE LETTER HIGH YA
198B	ᨑ	NEW TAI LUE LETTER LOW TSA
198C	ᨒ	NEW TAI LUE LETTER LOW SA
198D	ᨓ	NEW TAI LUE LETTER LOW YA
198E	ᨔ	NEW TAI LUE LETTER HIGH TA
198F	ᨕ	NEW TAI LUE LETTER HIGH THA
1990	ᨖ	NEW TAI LUE LETTER HIGH NA
1991	ᨗ	NEW TAI LUE LETTER LOW TA
1992	ᨘ	NEW TAI LUE LETTER LOW THA
1993	ᨙ	NEW TAI LUE LETTER LOW NA
1994	ᨚ	NEW TAI LUE LETTER HIGH PA
1995	ᨛ	NEW TAI LUE LETTER HIGH PHA
1996	᨜	NEW TAI LUE LETTER HIGH MA
1997	᨝	NEW TAI LUE LETTER LOW PA
1998	᨞	NEW TAI LUE LETTER LOW PHA
1999	᨟	NEW TAI LUE LETTER LOW MA
199A	ᨠ	NEW TAI LUE LETTER HIGH FA
199B	ᨡ	NEW TAI LUE LETTER HIGH VA
199C	ᨢ	NEW TAI LUE LETTER HIGH LA
199D	ᨣ	NEW TAI LUE LETTER LOW FA
199E	ᨤ	NEW TAI LUE LETTER LOW VA
199F	ᨥ	NEW TAI LUE LETTER LOW LA
19A0	ᨦ	NEW TAI LUE LETTER HIGH HA
19A1	ᨧ	NEW TAI LUE LETTER HIGH DA
19A2	ᨨ	NEW TAI LUE LETTER HIGH BA
19A3	ᨩ	NEW TAI LUE LETTER LOW HA
19A4	ᨪ	NEW TAI LUE LETTER LOW DA
19A5	ᨫ	NEW TAI LUE LETTER LOW BA
19A6	ᨬ	NEW TAI LUE LETTER HIGH KVA
19A7	ᨭ	NEW TAI LUE LETTER HIGH XVA
19A8	ᨮ	NEW TAI LUE LETTER LOW KVA
19A9	ᨯ	NEW TAI LUE LETTER LOW XVA
19AA	ᨰ	NEW TAI LUE LETTER HIGH SUA
19AB	ᨱ	NEW TAI LUE LETTER LOW SUA

Vowel signs

19B0	ᨲ	NEW TAI LUE VOWEL SIGN VOWEL SHORTENER
19B1	ᨳ	NEW TAI LUE VOWEL SIGN AA
19B2	ᨴ	NEW TAI LUE VOWEL SIGN II
19B3	ᨵ	NEW TAI LUE VOWEL SIGN U
19B4	ᨶ	NEW TAI LUE VOWEL SIGN UU
19B5	ᨷ	NEW TAI LUE VOWEL SIGN E
19B6	ᨸ	NEW TAI LUE VOWEL SIGN AE
19B7	ᨹ	NEW TAI LUE VOWEL SIGN O
19B8	ᨺ	NEW TAI LUE VOWEL SIGN OA
19B9	ᨻ	NEW TAI LUE VOWEL SIGN UE
19BA	ᨼ	NEW TAI LUE VOWEL SIGN AY

19BB	ᨽ	NEW TAI LUE VOWEL SIGN AAY
19BC	ᨿ	NEW TAI LUE VOWEL SIGN UY
19BD	ᩀ	NEW TAI LUE VOWEL SIGN OY
19BE	ᩁ	NEW TAI LUE VOWEL SIGN OAY
19BF	ᩂ	NEW TAI LUE VOWEL SIGN UEY
19C0	ᩃ	NEW TAI LUE VOWEL SIGN IY

Final consonants

19C1	ᩄ	NEW TAI LUE LETTER FINAL V
19C2	ᩅ	NEW TAI LUE LETTER FINAL NG
19C3	ᩆ	NEW TAI LUE LETTER FINAL N
19C4	ᩇ	NEW TAI LUE LETTER FINAL M
19C5	ᩈ	NEW TAI LUE LETTER FINAL K
19C6	ᩉ	NEW TAI LUE LETTER FINAL D
19C7	ᩊ	NEW TAI LUE LETTER FINAL B

Tone marks

19C8	ᩋ	NEW TAI LUE TONE MARK-1
19C9	ᩌ	NEW TAI LUE TONE MARK-2

Digits

19D0	ᩍ	NEW TAI LUE DIGIT ZERO
19D1	ᩎ	NEW TAI LUE DIGIT ONE
19D2	ᩏ	NEW TAI LUE DIGIT TWO
19D3	ᩐ	NEW TAI LUE DIGIT THREE
19D4	ᩑ	NEW TAI LUE DIGIT FOUR
19D5	ᩒ	NEW TAI LUE DIGIT FIVE
19D6	ᩓ	NEW TAI LUE DIGIT SIX
19D7	ᩔ	NEW TAI LUE DIGIT SEVEN
19D8	ᩕ	NEW TAI LUE DIGIT EIGHT
19D9	ᩖ	NEW TAI LUE DIGIT NINE
19DA	ᩗ	NEW TAI LUE THAM DIGIT ONE

































Various signs

19DE	ᩘ	NEW TAI LUE SIGN LAE • conjunction: and
19DF	ᩙ	NEW TAI LUE SIGN LAEV • perfective

	19E	19F
0	០ 19E0	៨ 19F0
1	១ 19E1	៩ 19F1
2	២ 19E2	១០ 19F2
3	៣ 19E3	១១ 19F3
4	៤ 19E4	១២ 19F4
5	៥ 19E5	១៣ 19F5
6	៦ 19E6	១៤ 19F6
7	៧ 19E7	១៥ 19F7
8	៨ 19E8	១៦ 19F8
9	៩ 19E9	១៧ 19F9
A	១០ 19EA	១៨ 19FA
B	១១ 19EB	១៩ 19FB
C	១២ 19EC	២០ 19FC
D	១៣ 19ED	២១ 19FD
E	១៤ 19EE	២២ 19FE
F	១៥ 19EF	២៣ 19FF
























Lunar date symbols

- 19E0 ០ ៨ KHMER SYMBOL PATHAMASAT
 • represents the first August in a leap year
 The following fifteen characters represent the first through the fifteenth waxing days, respectively.
- 19E1 ១ ៩ KHMER SYMBOL MUOY KOET
 19E2 ២ ១០ KHMER SYMBOL PII KOET
 19E3 ៣ ១១ KHMER SYMBOL BEI KOET
 19E4 ៤ ១២ KHMER SYMBOL BUON KOET
 19E5 ៥ ១៣ KHMER SYMBOL PRAM KOET
 19E6 ៦ ១៤ KHMER SYMBOL PRAM-MUOY KOET
 19E7 ៧ ១៥ KHMER SYMBOL PRAM-PII KOET
 19E8 ៨ ១៦ KHMER SYMBOL PRAM-BEI KOET
 19E9 ៩ ១៧ KHMER SYMBOL PRAM-BUON KOET
 19EA ១០ ១៨ KHMER SYMBOL DAP KOET
 19EB ១១ ១៩ KHMER SYMBOL DAP-MUOY KOET
 19EC ១២ ២០ KHMER SYMBOL DAP-PII KOET
 19ED ១៣ ២១ KHMER SYMBOL DAP-BEI KOET
 19EE ១៤ ២២ KHMER SYMBOL DAP-BUON KOET
 19EF ១៥ ២៣ KHMER SYMBOL DAP-PRAM KOET
 19F0 ១៦ ២៤ KHMER SYMBOL TUTEYASAT
 • represents the second August in a leap year
 The following fifteen characters represent the first through the fifteenth waning days, respectively.
- 19F1 ១៧ ២៥ KHMER SYMBOL MUOY ROC
 19F2 ១៨ ២៦ KHMER SYMBOL PII ROC
 19F3 ១៩ ២៧ KHMER SYMBOL BEI ROC
 19F4 ២០ ២៨ KHMER SYMBOL BUON ROC
 19F5 ២១ ២៩ KHMER SYMBOL PRAM ROC
 19F6 ២២ ៣០ KHMER SYMBOL PRAM-MUOY ROC
 19F7 ២៣ ៣១ KHMER SYMBOL PRAM-PII ROC
 19F8 ២៤ ៣២ KHMER SYMBOL PRAM-BEI ROC
 19F9 ២៥ ៣៣ KHMER SYMBOL PRAM-BUON ROC
 19FA ២៦ ៣៤ KHMER SYMBOL DAP ROC
 19FB ២៧ ៣៥ KHMER SYMBOL DAP-MUOY ROC
 19FC ២៨ ៣៦ KHMER SYMBOL DAP-PII ROC
 19FD ២៩ ៣៧ KHMER SYMBOL DAP-BEI ROC
 19FE ៣០ ៣៨ KHMER SYMBOL DAP-BUON ROC
 19FF ៣១ ៣៩ KHMER SYMBOL DAP-PRAM ROC






	1A0	1A1
0	 1A00	 1A10
1	 1A01	 1A11
2	 1A02	 1A12
3	 1A03	 1A13
4	 1A04	 1A14
5	 1A05	 1A15
6	 1A06	 1A16
7	 1A07	 1A17
8	 1A08	 1A18
9	 1A09	 1A19
A	 1A0A	 1A1A
B	 1A0B	 1A1B
C	 1A0C	
D	 1A0D	
E	 1A0E	 1A1E
F	 1A0F	 1A1F

This script is also known as Lontara.

Consonants

- 1A00  BUGINESE LETTER KA
- 1A01  BUGINESE LETTER GA
- 1A02  BUGINESE LETTER NGA
- 1A03  BUGINESE LETTER NGKA
- 1A04  BUGINESE LETTER PA
- 1A05  BUGINESE LETTER BA
- 1A06  BUGINESE LETTER MA
- 1A07  BUGINESE LETTER MPA
- 1A08  BUGINESE LETTER TA
- 1A09  BUGINESE LETTER DA
- 1A0A  BUGINESE LETTER NA
- 1A0B  BUGINESE LETTER NRA
- 1A0C  BUGINESE LETTER CA
- 1A0D  BUGINESE LETTER JA
- 1A0E  BUGINESE LETTER NYA
- 1A0F  BUGINESE LETTER NYCA
- 1A10  BUGINESE LETTER YA
- 1A11  BUGINESE LETTER RA
- 1A12  BUGINESE LETTER LA
- 1A13  BUGINESE LETTER VA
- 1A14  BUGINESE LETTER SA
- 1A15  BUGINESE LETTER A
- 1A16  BUGINESE LETTER HA

Vowels

- 1A17  BUGINESE VOWEL SIGN I
- 1A18  BUGINESE VOWEL SIGN U
- 1A19  BUGINESE VOWEL SIGN E
- 1A1A  BUGINESE VOWEL SIGN O
- 1A1B  BUGINESE VOWEL SIGN AE

Various signs

- 1A1E  BUGINESE PALLAWA
- 1A1F  BUGINESE END OF SECTION

	1A2	1A3	1A4	1A5	1A6	1A7	1A8	1A9	1AA
0	က 1A20	ဆ 1A30	၎ 1A40	၎ 1A50	၎ ⁺ 1A60	ဝ 1A70	ဝ 1A80	ဝ 1A90	⊕ 1AA0
1	ခ 1A21	ထ 1A31	စ 1A41	၎ 1A51	့ 1A61	ဲ 1A71	ဝ 1A81	ဝ 1A91	⊕ 1AA1
2	၎ 1A22	တ 1A32	့ 1A42	၎ 1A52	့ 1A62	ဲ 1A72	၎ 1A82	၎ 1A92	့ 1AA2
3	ဝ 1A23	ဆ 1A33	လ 1A43	၎ 1A53	့ 1A63	့ 1A73	၎ 1A83	ဝ 1A93	⊕ 1AA3
4	၎ 1A24	ဖ 1A34	့ 1A44	့ 1A54	့ 1A64	့ 1A74	၎ 1A84	၎ 1A94	⊕ 1AA4
5	ဆ 1A25	ဝ 1A35	ဝ 1A45	၎ 1A55	့ 1A65	့ 1A75	၎ 1A85	၎ 1A95	⊕ 1AA5
6	ခ 1A26	၎ 1A36	ဖ 1A46	့ 1A56	့ 1A66	့ 1A76	၎ 1A86	၎ 1A96	⊕ 1AA6
7	ဝ 1A27	ဝ 1A37	့ 1A47	့ 1A57	့ 1A67	့ 1A77	၎ 1A87	ဝ 1A97	့ 1AA7
8	့ 1A28	၎ 1A38	့ 1A48	့ 1A58	့ 1A68	့ 1A78	ဝ 1A88	၎ 1A98	၎ 1AA8
9	၎ 1A29	ဆ 1A39	၎ 1A49	့ 1A59	့ 1A69	့ 1A79	၎ 1A89	ဝ 1A99	|| 1AA9
A	၎ 1A2A	၎ 1A3A	၎ 1A4A	့ 1A5A	့ 1A6A	့ 1A7A			၎ 1AAA
B	၎ 1A2B	၎ 1A3B	၎ 1A4B	့ 1A5B	့ 1A6B	့ 1A7B			၎ 1AAB
C	၎ 1A2C	၎ 1A3C	၎ 1A4C	့ 1A5C	့ 1A6C	့ 1A7C			၎ 1AAC
D	၎ 1A2D	၎ 1A3D	၎ 1A4D	့ 1A5D	့ 1A6D				၎ 1AAD
E	၎ 1A2E	၎ 1A3E	၎ 1A4E	့ 1A5E	့ 1A6E				
F	၎ 1A2F	၎ 1A3F	၎ 1A4F		့ 1A6F	့ 1A7F			

The Tai Tham script is also known as Lanna as well as Old Tai Lue. It is used for the Khuen, Northern Thai, and Tai Lue languages. The glyphs shown in the code chart are in Khuen and Tai Lue style.

Consonants

1A20	๐	TAI THAM LETTER HIGH KA
1A21	๑	TAI THAM LETTER HIGH KHA
1A22	๒	TAI THAM LETTER HIGH KXA
1A23	๓	TAI THAM LETTER LOW KA
1A24	๔	TAI THAM LETTER LOW KXA
1A25	๕	TAI THAM LETTER LOW KHA
1A26	๖	TAI THAM LETTER NGA
1A27	๗	TAI THAM LETTER HIGH CA
1A28	๘	TAI THAM LETTER HIGH CHA
1A29	๙	TAI THAM LETTER LOW CA
1A2A	๐	TAI THAM LETTER LOW SA
1A2B	๑	TAI THAM LETTER LOW CHA
1A2C	๒	TAI THAM LETTER NYA
1A2D	๓	TAI THAM LETTER RATA
1A2E	๔	TAI THAM LETTER HIGH RATHA
1A2F	๕	TAI THAM LETTER DA
1A30	๖	TAI THAM LETTER LOW RATHA
1A31	๗	TAI THAM LETTER RANA
1A32	๘	TAI THAM LETTER HIGH TA
1A33	๙	TAI THAM LETTER HIGH THA
1A34	๐	TAI THAM LETTER LOW TA
1A35	๑	TAI THAM LETTER LOW THA
1A36	๒	TAI THAM LETTER NA
1A37	๓	TAI THAM LETTER BA
1A38	๔	TAI THAM LETTER HIGH PA
1A39	๕	TAI THAM LETTER HIGH PHA
1A3A	๖	TAI THAM LETTER HIGH FA
1A3B	๗	TAI THAM LETTER LOW PA
1A3C	๘	TAI THAM LETTER LOW FA
1A3D	๙	TAI THAM LETTER LOW PHA
1A3E	๐	TAI THAM LETTER MA
1A3F	๑	TAI THAM LETTER LOW YA
1A40	๒	TAI THAM LETTER HIGH YA
1A41	๓	TAI THAM LETTER RA
1A42	๔	TAI THAM LETTER RUE
1A43	๕	TAI THAM LETTER LA
1A44	๖	TAI THAM LETTER LUE
1A45	๗	TAI THAM LETTER WA
1A46	๘	TAI THAM LETTER HIGH SHA
1A47	๙	TAI THAM LETTER HIGH SSA
1A48	๐	TAI THAM LETTER HIGH SA
1A49	๑	TAI THAM LETTER HIGH HA
1A4A	๒	TAI THAM LETTER LLA
1A4B	๓	TAI THAM LETTER A
		• indicates a glottal consonant
1A4C	๔	TAI THAM LETTER LOW HA

Independent vowels

1A4D	๐	TAI THAM LETTER I
1A4E	๑	TAI THAM LETTER II
1A4F	๒	TAI THAM LETTER U
1A50	๓	TAI THAM LETTER UU
1A51	๔	TAI THAM LETTER EE
1A52	๕	TAI THAM LETTER OO

Consonants

1A53	๐	TAI THAM LETTER LAE
------	---	---------------------

1A54	๑	TAI THAM LETTER GREAT SA
------	---	--------------------------

Consonant signs

1A55	๐	TAI THAM CONSONANT SIGN MEDIAL RA
1A56	๑	TAI THAM CONSONANT SIGN MEDIAL LA
1A57	๒	TAI THAM CONSONANT SIGN LA TANG LAI
1A58	๓	TAI THAM SIGN MAI KANG LAI
1A59	๔	TAI THAM CONSONANT SIGN FINAL NGA
1A5A	๕	TAI THAM CONSONANT SIGN LOW PA
1A5B	๖	TAI THAM CONSONANT SIGN HIGH RATHA OR LOW PA
1A5C	๗	TAI THAM CONSONANT SIGN MA
1A5D	๘	TAI THAM CONSONANT SIGN BA
1A5E	๙	TAI THAM CONSONANT SIGN SA

Sign

1A60	๐	TAI THAM SIGN SAKOT
------	---	---------------------

Dependent vowel signs

1A61	๐	TAI THAM VOWEL SIGN A
1A62	๑	TAI THAM VOWEL SIGN MAI SAT
1A63	๒	TAI THAM VOWEL SIGN AA
1A64	๓	TAI THAM VOWEL SIGN TALL AA
1A65	๔	TAI THAM VOWEL SIGN I
1A66	๕	TAI THAM VOWEL SIGN II
1A67	๖	TAI THAM VOWEL SIGN UE
1A68	๗	TAI THAM VOWEL SIGN UUE
1A69	๘	TAI THAM VOWEL SIGN U
1A6A	๙	TAI THAM VOWEL SIGN UU
1A6B	๐	TAI THAM VOWEL SIGN O
1A6C	๑	TAI THAM VOWEL SIGN OA BELOW
1A6D	๒	TAI THAM VOWEL SIGN OY
1A6E	๓	TAI THAM VOWEL SIGN E
1A6F	๔	TAI THAM VOWEL SIGN AE
1A70	๕	TAI THAM VOWEL SIGN OO
1A71	๖	TAI THAM VOWEL SIGN AI
1A72	๗	TAI THAM VOWEL SIGN THAM AI
1A73	๘	TAI THAM VOWEL SIGN OA ABOVE
1A74	๙	TAI THAM SIGN MAI KANG

Tone marks

1A75	๐	TAI THAM SIGN TONE-1
1A76	๑	TAI THAM SIGN TONE-2
1A77	๒	TAI THAM SIGN KHUEN TONE-3
1A78	๓	TAI THAM SIGN KHUEN TONE-4
1A79	๔	TAI THAM SIGN KHUEN TONE-5

Other marks

1A7A	๐	TAI THAM SIGN RA HAAM
		• indicates following character(s) are not sounded
1A7B	๑	TAI THAM SIGN MAI SAM
1A7C	๒	TAI THAM SIGN KHUEN-LUE KARAN

Cryptogrammic mark

1A7F	๐	TAI THAM COMBINING CRYPTOGRAMMIC DOT
------	---	--------------------------------------

Hora digits

1A80	๐	TAI THAM HORA DIGIT ZERO
1A81	๑	TAI THAM HORA DIGIT ONE
1A82	๒	TAI THAM HORA DIGIT TWO
1A83	๓	TAI THAM HORA DIGIT THREE
1A84	๔	TAI THAM HORA DIGIT FOUR
1A85	๕	TAI THAM HORA DIGIT FIVE
1A86	๖	TAI THAM HORA DIGIT SIX
1A87	๗	TAI THAM HORA DIGIT SEVEN

- 1A88 ◦ TAI THAM HORA DIGIT EIGHT
 1A89 ๒ TAI THAM HORA DIGIT NINE

Tham digits

- 1A90 ◦ TAI THAM THAM DIGIT ZERO
 1A91 ๑ TAI THAM THAM DIGIT ONE
 1A92 ๒ TAI THAM THAM DIGIT TWO
 1A93 ๓ TAI THAM THAM DIGIT THREE
 1A94 ๔ TAI THAM THAM DIGIT FOUR
 1A95 ๕ TAI THAM THAM DIGIT FIVE
 1A96 ๖ TAI THAM THAM DIGIT SIX
 1A97 ๗ TAI THAM THAM DIGIT SEVEN
 1A98 ๘ TAI THAM THAM DIGIT EIGHT
 1A99 ๙ TAI THAM THAM DIGIT NINE

Logographs

- 1AA0 ⊕ TAI THAM SIGN WIANG
 • logograph for city
 1AA1 ⊕ TAI THAM SIGN WIANGWAAK
 • logograph for village
 1AA2 ๓๕ TAI THAM SIGN SAWAN
 • logograph for heaven

Punctuation

These characters are used as dingbats and section starters.

- 1AA3 ๓๖ TAI THAM SIGN KEOW
 = courtyard
 1AA4 ๓๗ TAI THAM SIGN HOY
 = oyster
 1AA5 ๓๘ TAI THAM SIGN DOKMAI
 = flower
 → 2055 * flower punctuation mark
 1AA6 ๓๙ TAI THAM SIGN REVERSED ROTATED RANA

Sign

- 1AA7 ๓๐ TAI THAM SIGN MAI YAMOK
 → 0E46 ๓๐ thai character maiyamok

Punctuation

- 1AA8 ๓๑ TAI THAM SIGN KAAAN
 • danda
 1AA9 ๓๒ TAI THAM SIGN KAANKUU
 • double danda
 1AAA ๓๓ TAI THAM SIGN SATKAAN
 1AAB ๓๔ TAI THAM SIGN SATKAANKUU
 → 0E5A ๓๓ thai character angkhankhu
 1AAC ๓๔ TAI THAM SIGN HANG
 • used in combinations with other punctuation
 marks at ends of sections
 1AAD ๓๕ TAI THAM SIGN CAANG

	1B0	1B1	1B2	1B3	1B4	1B5	1B6	1B7
0	ᮀ 1B00	ᮁ 1B10	ᮂ 1B20	ᮃ 1B30	ᮄ 1B40	ᮅ 1B50	ᮆ 1B60	ᮇ 1B70
1	ᮈ 1B01	ᮉ 1B11	ᮊ 1B21	ᮋ 1B31	ᮌ 1B41	ᮍ 1B51	ᮎ 1B61	ᮏ 1B71
2	ᮐ 1B02	ᮑ 1B12	ᮒ 1B22	ᮓ 1B32	ᮔ 1B42	ᮕ 1B52	ᮖ 1B62	ᮗ 1B72
3	ᮘ 1B03	ᮙ 1B13	ᮚ 1B23	ᮛ 1B33	ᮜ 1B43	ᮝ 1B53	ᮞ 1B63	ᮟ 1B73
4	ᮠ 1B04	ᮡ 1B14	ᮢ 1B24	ᮣ 1B34	ᮤ 1B44	ᮥ 1B54	ᮦ 1B64	ᮧ 1B74
5	ᮨ 1B05	ᮩ 1B15	᮪ 1B25	᮫ 1B35	ᮬ 1B45	ᮭ 1B55	ᮮ 1B65	ᮯ 1B75
6	᮰ 1B06	᮱ 1B16	᮲ 1B26	᮳ 1B36	᮴ 1B46	᮵ 1B56	᮶ 1B66	᮷ 1B76
7	᮹ 1B07	ᮺ 1B17	ᮻ 1B27	ᮼ 1B37	ᮽ 1B47	ᮾ 1B57	ᮿ 1B67	ᯀ 1B77
8	ᯁ 1B08	ᯂ 1B18	ᯃ 1B28	ᯄ 1B38	ᯅ 1B48	ᯆ 1B58	ᯇ 1B68	ᯈ 1B78
9	ᯉ 1B09	ᯊ 1B19	ᯋ 1B29	ᯌ 1B39	ᯍ 1B49	ᯎ 1B59	ᯏ 1B69	ᯐ 1B79
A	ᯑ 1B0A	ᯒ 1B1A	ᯓ 1B2A	ᯔ 1B3A	ᯕ 1B4A	ᯖ 1B5A	ᯗ 1B6A	ᯘ 1B7A
B	ᯙ 1B0B	ᯚ 1B1B	ᯛ 1B2B	ᯜ 1B3B	ᯝ 1B4B	ᯞ 1B5B	ᯟ 1B6B	ᯠ 1B7B
C	ᯡ 1B0C	ᯢ 1B1C	ᯣ 1B2C	ᯤ 1B3C		ᯧ 1B5C	ᯨ 1B6C	ᯩ 1B7C
D	ᯫ 1B0D	ᯬ 1B1D	ᯭ 1B2D	ᯮ 1B3D		ᯰ 1B5D	ᯱ 1B6D	
E	᯳ 1B0E	᯴ 1B1E	᯵ 1B2E	᯶ 1B3E		᯸ 1B5E	᯹ 1B6E	
F	᯿ 1B0F	᯾ 1B1F	᯿ 1B2F	᯽ 1B3F		᯽ 1B5F	᯾ 1B6F	

1B41 ꦲ BALINESE VOWEL SIGN TALING REPA TEDUNG
= au
≡ 1B3F ꦲꦺ 1B35 ꦲꦺ

1B42 ꦺ BALINESE VOWEL SIGN PEPET
= ae

1B43 ꦺꦴ BALINESE VOWEL SIGN PEPET TEDUNG
= oe
≡ 1B42 ꦺ 1B35 ꦺꦴ

Sign

1B44 ꦺꦴ BALINESE ADEG ADEG
= virama

Additional consonants

1B45 ꦲ BALINESE LETTER KAF SASAK

1B46 ꦲ BALINESE LETTER KHOT SASAK

1B47 ꦲ BALINESE LETTER TZIR SASAK

1B48 ꦲ BALINESE LETTER EF SASAK

1B49 ꦲ BALINESE LETTER VE SASAK

1B4A ꦲ BALINESE LETTER ZAL SASAK

1B4B ꦲ BALINESE LETTER ASYURA SASAK

Digits

1B50 ꦲ BALINESE DIGIT ZERO

1B51 ꦲ BALINESE DIGIT ONE

1B52 ꦲ BALINESE DIGIT TWO

1B53 ꦲ BALINESE DIGIT THREE

1B54 ꦲ BALINESE DIGIT FOUR

1B55 ꦲ BALINESE DIGIT FIVE

1B56 ꦲ BALINESE DIGIT SIX

1B57 ꦲ BALINESE DIGIT SEVEN

1B58 ꦲ BALINESE DIGIT EIGHT

1B59 ꦲ BALINESE DIGIT NINE

Punctuation

1B5A ꦲ BALINESE PANTI
= section

1B5B ꦲ BALINESE PAMADA
= honorific section

1B5C ꦲ BALINESE WINDU
= punctuation ring

1B5D ꦲ BALINESE CARIK PAMUNGKAH
= colon

1B5E ꦲ BALINESE CARIK SIKI
= danda

→ 0964 I devanagari danda

1B5F ꦲ BALINESE CARIK PAREREN
= double danda

→ 0965 II devanagari double danda

1B60 ꦲ BALINESE PAMENENG
= line-breaking hyphen

Musical symbols for notes

1B61 ꦲ BALINESE MUSICAL SYMBOL DONG

1B62 ꦲ BALINESE MUSICAL SYMBOL DENG

1B63 ꦲ BALINESE MUSICAL SYMBOL DUNG

1B64 ꦲ BALINESE MUSICAL SYMBOL DANG

1B65 ꦲ BALINESE MUSICAL SYMBOL DANG SURANG

1B66 ꦲ BALINESE MUSICAL SYMBOL DING

1B67 ꦲ BALINESE MUSICAL SYMBOL DAENG

1B68 ꦲ BALINESE MUSICAL SYMBOL DEUNG

1B69 ꦲ BALINESE MUSICAL SYMBOL DAING

1B6A ꦲ BALINESE MUSICAL SYMBOL DANG GEDE

Diacritical marks for musical symbols

1B6B ꦲ BALINESE MUSICAL SYMBOL COMBINING
TEGEH

1B6C ꦲ BALINESE MUSICAL SYMBOL COMBINING
ENDEP

1B6D ꦲ BALINESE MUSICAL SYMBOL COMBINING
KEMPUL

1B6E ꦲ BALINESE MUSICAL SYMBOL COMBINING
KEMPLI

1B6F ꦲ BALINESE MUSICAL SYMBOL COMBINING
JEGOGAN

1B70 ꦲ BALINESE MUSICAL SYMBOL COMBINING
KEMPUL WITH JEGOGAN

1B71 ꦲ BALINESE MUSICAL SYMBOL COMBINING
KEMPLI WITH JEGOGAN

1B72 ꦲ BALINESE MUSICAL SYMBOL COMBINING
BENDE

1B73 ꦲ BALINESE MUSICAL SYMBOL COMBINING
GONG

Musical symbols

1B74 ꦲ BALINESE MUSICAL SYMBOL RIGHT-HAND
OPEN DUG

1B75 ꦲ BALINESE MUSICAL SYMBOL RIGHT-HAND
OPEN DAG

1B76 ꦲ BALINESE MUSICAL SYMBOL RIGHT-HAND
CLOSED TUK

1B77 ꦲ BALINESE MUSICAL SYMBOL RIGHT-HAND
CLOSED TAK















































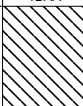



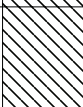



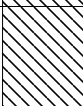








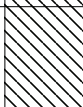
1B78 ꦲ BALINESE MUSICAL SYMBOL LEFT-HAND OPEN
PANG

1B79 ꦲ BALINESE MUSICAL SYMBOL LEFT-HAND OPEN
PUNG

1B7A ꦲ BALINESE MUSICAL SYMBOL LEFT-HAND
CLOSED PLAK

1B7B ꦲ BALINESE MUSICAL SYMBOL LEFT-HAND
CLOSED PLUK

1B7C ꦲ BALINESE MUSICAL SYMBOL LEFT-HAND OPEN
PING

	1B8	1B9	1BA	1BB
0	 1B80	 1B90	 1BA0	 1BB0
1	 1B81	 1B91	 1BA1	 1BB1
2	 1B82	 1B92	 1BA2	 1BB2
3	 1B83	 1B93	 1BA3	 1BB3
4	 1B84	 1B94	 1BA4	 1BB4
5	 1B85	 1B95	 1BA5	 1BB5
6	 1B86	 1B96	 1BA6	 1BB6
7	 1B87	 1B97	 1BA7	 1BB7
8	 1B88	 1B98	 1BA8	 1BB8
9	 1B89	 1B99	 1BA9	 1BB9
A	 1B8A	 1B9A	 1BAA	
B	 1B8B	 1B9B		
C	 1B8C	 1B9C		
D	 1B8D	 1B9D		
E	 1B8E	 1B9E	 1BAE	
F	 1B8F	 1B9F	 1BAF	

Various signs

1B80	◌̇	SUNDANESE SIGN PANYECEK = anusvara
1B81	◌̆	SUNDANESE SIGN PANGLAYAR = repha
1B82	◌̈́	SUNDANESE SIGN PANGWISAD = visarga

Vowels

1B83	ᮀ	SUNDANESE LETTER A
1B84	ᮁ	SUNDANESE LETTER I
1B85	ᮂ	SUNDANESE LETTER U
1B86	ᮃ	SUNDANESE LETTER AE
1B87	ᮄ	SUNDANESE LETTER O
1B88	ᮅ	SUNDANESE LETTER E
1B89	ᮆ	SUNDANESE LETTER EU

Consonants

1B8A	ᮇ	SUNDANESE LETTER KA
1B8B	ᮈ	SUNDANESE LETTER QA
1B8C	ᮉ	SUNDANESE LETTER GA
1B8D	ᮊ	SUNDANESE LETTER NGA
1B8E	ᮋ	SUNDANESE LETTER CA
1B8F	ᮌ	SUNDANESE LETTER JA
1B90	ᮍ	SUNDANESE LETTER ZA
1B91	ᮎ	SUNDANESE LETTER NYA
1B92	ᮏ	SUNDANESE LETTER TA
1B93	ᮐ	SUNDANESE LETTER DA
1B94	ᮑ	SUNDANESE LETTER NA
1B95	ᮒ	SUNDANESE LETTER PA
1B96	ᮓ	SUNDANESE LETTER FA
1B97	ᮔ	SUNDANESE LETTER VA
1B98	ᮕ	SUNDANESE LETTER BA
1B99	ᮖ	SUNDANESE LETTER MA
1B9A	ᮗ	SUNDANESE LETTER YA
1B9B	ᮘ	SUNDANESE LETTER RA
1B9C	ᮙ	SUNDANESE LETTER LA
1B9D	ᮚ	SUNDANESE LETTER WA
1B9E	ᮛ	SUNDANESE LETTER SA
1B9F	ᮜ	SUNDANESE LETTER XA
1BA0	ᮝ	SUNDANESE LETTER HA

Consonant signs

1BA1	◌ᮛ	SUNDANESE CONSONANT SIGN PAMINGKAL = subjoined ya
1BA2	◌ᮜ	SUNDANESE CONSONANT SIGN PANYAKRA = subjoined ra
1BA3	◌ᮝ	SUNDANESE CONSONANT SIGN PANYIKU = subjoined la

Vowel signs

1BA4	◌ᮛ	SUNDANESE VOWEL SIGN PANGHULU = i
1BA5	◌ᮜ	SUNDANESE VOWEL SIGN PANYUKU = u
1BA6	◌ᮝ	SUNDANESE VOWEL SIGN PANAELAENG = ae
1BA7	◌ᮞ	SUNDANESE VOWEL SIGN PANOLONG = o
1BA8	◌ᮟ	SUNDANESE VOWEL SIGN PAMEPET = e
1BA9	◌ᮠ	SUNDANESE VOWEL SIGN PANEULEUNG = eu

Virama





























































1BAA	◌ᮡ	SUNDANESE SIGN PAMAAEH = virama • does not form conjuncts
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Additional consonants

1BAE	ᮣ	SUNDANESE LETTER KHA
1BAF	ᮤ	SUNDANESE LETTER SYA

Digits

1BB0	ᮥ	SUNDANESE DIGIT ZERO
1BB1	ᮆ	SUNDANESE DIGIT ONE
1BB2	ᮇ	SUNDANESE DIGIT TWO
1BB3	ᮈ	SUNDANESE DIGIT THREE
1BB4	ᮉ	SUNDANESE DIGIT FOUR
1BB5	ᮊ	SUNDANESE DIGIT FIVE
1BB6	ᮋ	SUNDANESE DIGIT SIX
1BB7	ᮌ	SUNDANESE DIGIT SEVEN
1BB8	ᮍ	SUNDANESE DIGIT EIGHT
1BB9	ᮎ	SUNDANESE DIGIT NINE

	1BC	1BD	1BE	1BF
0	 1BC0	 1BD0	 1BE0	 1BF0
1	 1BC1	 1BD1	 1BE1	 1BF1
2	 1BC2	 1BD2	 1BE2	 1BF2
3	 1BC3	 1BD3	 1BE3	 1BF3
4	 1BC4	 1BD4	 1BE4	
5	 1BC5	 1BD5	 1BE5	
6	 1BC6	 1BD6	 1BE6	
7	 1BC7	 1BD7	 1BE7	
8	 1BC8	 1BD8	 1BE8	
9	 1BC9	 1BD9	 1BE9	
A	 1BCA	 1BDA	 1BEA	
B	 1BCB	 1BDB	 1BEB	
C	 1BCC	 1BDC	 1BEC	 1BFC
D	 1BCD	 1BDD	 1BED	 1BFD
E	 1BCE	 1BDE	 1BEE	 1BFE
F	 1BCF	 1BDF	 1BEF	 1BFF

Letters

Annotations for letters indicate different usage among the various alphabets sharing the Batak script.

1BC0	ʌ	BATAK LETTER A * letter a or ha for Karo and Pakpak
1BC1	ʌ	BATAK LETTER SIMALUNGUN A
1BC2	ʌ	BATAK LETTER HA • Toba letter ha or ka • also known as letter ka for Karo and Pakpak
1BC3	ʌ	BATAK LETTER SIMALUNGUN HA • also known as Simalungun letter ka
1BC4	ʌ	BATAK LETTER MANDAILING HA
1BC5	ʌ	BATAK LETTER BA
1BC6	ʌ	BATAK LETTER KARO BA
1BC7	ʌ	BATAK LETTER PA
1BC8	ʌ	BATAK LETTER SIMALUNGUN PA
1BC9	ʌ	BATAK LETTER NA
1BCA	ʌ	BATAK LETTER MANDAILING NA
1BCB	ʌ	BATAK LETTER WA • Toba letter wa can be represented by either 1BCB ʌ or 1BCD ʌ
1BCC	ʌ	BATAK LETTER SIMALUNGUN WA
1BCD	ʌ	BATAK LETTER PAKPAK WA
1BCE	ʌ	BATAK LETTER GA
1BCF	ʌ	BATAK LETTER SIMALUNGUN GA
1BD0	ʌ	BATAK LETTER JA
1BD1	ʌ	BATAK LETTER DA
1BD2	ʌ	BATAK LETTER RA
1BD3	ʌ	BATAK LETTER SIMALUNGUN RA
1BD4	ʌ	BATAK LETTER MA
1BD5	ʌ	BATAK LETTER SIMALUNGUN MA
1BD6	ʌ	BATAK LETTER SOUTHERN TA • Toba letter ta can be represented by either 1BD6 ʌ or 1BD7 ʌ
1BD7	ʌ	BATAK LETTER NORTHERN TA
1BD8	ʌ	BATAK LETTER SA • Pakpak letter sa or ca
1BD9	ʌ	BATAK LETTER SIMALUNGUN SA
1BDA	ʌ	BATAK LETTER MANDAILING SA
1BDB	ʌ	BATAK LETTER YA
1BDC	ʌ	BATAK LETTER SIMALUNGUN YA
1BDD	ʌ	BATAK LETTER NGA
1BDE	ʌ	BATAK LETTER LA
1BDF	ʌ	BATAK LETTER SIMALUNGUN LA
1BE0	ʌ	BATAK LETTER NYA • Karo letter ca can be represented by either 1BE0 ʌ or 1BE1 ʌ
1BE1	ʌ	BATAK LETTER CA
1BE2	ʌ	BATAK LETTER NDA
1BE3	ʌ	BATAK LETTER MBA
1BE4	ʌ	BATAK LETTER I
1BE5	ʌ	BATAK LETTER U

Sign

1BE6 ʌ BATAK SIGN TOMPI

Dependent vowel signs

1BE7	ʌ	BATAK VOWEL SIGN E = kebereten
1BE8	ʌ	BATAK VOWEL SIGN PAKPAK E = ketolongen
1BE9	ʌ	BATAK VOWEL SIGN EE = talinga

1BEA ʌ BATAK VOWEL SIGN I
= ulua

1BEB ʌ BATAK VOWEL SIGN KARO I
= haluan

1BEC ʌ BATAK VOWEL SIGN O
= siala ulu

1BED ʌ BATAK VOWEL SIGN KARO O
= hatulungan

1BEE ʌ BATAK VOWEL SIGN U
= boruta

1BEF ʌ BATAK VOWEL SIGN U FOR SIMALUNGUN SA
= haboritan for simalungun sa

Dependent consonant signs

1BF0 ʌ BATAK CONSONANT SIGN NG
= amisara

1BF1 ʌ BATAK CONSONANT SIGN H
= hajoringan











































































Signs

1BF2 ʌ BATAK PANGOLAT
= virama
• cannot follow a vowel sign

1BF3 ʌ BATAK PANONGONAN
= virama

Punctuation

1BFC	ʌ	BATAK SYMBOL BINDU NA METEK
1BFD	ʌ	BATAK SYMBOL BINDU PINARBORAS
1BFE	ʌ	BATAK SYMBOL BINDU JUDUL
1BFF	ʌ	BATAK SYMBOL BINDU PANGOLAT

	1C0	1C1	1C2	1C3	1C4
0	 1C00	 1C10	 1C20	 1C30	 1C40
1	 1C01	 1C11	 1C21	 1C31	 1C41
2	 1C02	 1C12	 1C22	 1C32	 1C42
3	 1C03	 1C13	 1C23	 1C33	 1C43
4	 1C04	 1C14	 1C24	 1C34	 1C44
5	 1C05	 1C15	 1C25	 1C35	 1C45
6	 1C06	 1C16	 1C26	 1C36	 1C46
7	 1C07	 1C17	 1C27	 1C37	 1C47
8	 1C08	 1C18	 1C28		 1C48
9	 1C09	 1C19	 1C29		 1C49
A	 1C0A	 1C1A	 1C2A		
B	 1C0B	 1C1B	 1C2B	 1C3B	
C	 1C0C	 1C1C	 1C2C	 1C3C	
D	 1C0D	 1C1D	 1C2D	 1C3D	 1C4D
E	 1C0E	 1C1E	 1C2E	 1C3E	 1C4E
F	 1C0F	 1C1F	 1C2F	 1C3F	 1C4F

Consonants

1C00	ᱠ	LEPCHA LETTER KA
1C01	ᱡ	LEPCHA LETTER KLA
1C02	ᱢ	LEPCHA LETTER KHA
1C03	ᱣ	LEPCHA LETTER GA
1C04	ᱤ	LEPCHA LETTER GLA
1C05	ᱥ	LEPCHA LETTER NGA
1C06	ᱦ	LEPCHA LETTER CA
1C07	ᱧ	LEPCHA LETTER CHA
1C08	ᱨ	LEPCHA LETTER JA
1C09	ᱩ	LEPCHA LETTER NYA
1C0A	ᱪ	LEPCHA LETTER TA
1C0B	ᱫ	LEPCHA LETTER THA
1C0C	ᱬ	LEPCHA LETTER DA
1C0D	ᱭ	LEPCHA LETTER NA
1C0E	ᱮ	LEPCHA LETTER PA
1C0F	ᱯ	LEPCHA LETTER PLA
1C10	ᱰ	LEPCHA LETTER PHA
1C11	ᱱ	LEPCHA LETTER FA
1C12	ᱲ	LEPCHA LETTER FLA
1C13	ᱳ	LEPCHA LETTER BA
1C14	ᱴ	LEPCHA LETTER BLA
1C15	ᱵ	LEPCHA LETTER MA
1C16	ᱶ	LEPCHA LETTER MLA
1C17	ᱷ	LEPCHA LETTER TSA
1C18	ᱸ	LEPCHA LETTER TSHA
1C19	ᱹ	LEPCHA LETTER DZA
1C1A	ᱺ	LEPCHA LETTER YA
1C1B	ᱻ	LEPCHA LETTER RA
1C1C	ᱼ	LEPCHA LETTER LA
1C1D	ᱽ	LEPCHA LETTER HA
1C1E	᱾	LEPCHA LETTER HLA
1C1F	᱿	LEPCHA LETTER VA
1C20	ᱠ	LEPCHA LETTER SA
1C21	ᱡ	LEPCHA LETTER SHA
1C22	ᱢ	LEPCHA LETTER WA
1C23	ᱣ	LEPCHA LETTER A

Subjoined consonants

1C24	ᱠᱡ	LEPCHA SUBJOINED LETTER YA
1C25	ᱡᱢ	LEPCHA SUBJOINED LETTER RA

Dependent vowels

1C26	ᱠᱢ	LEPCHA VOWEL SIGN AA
1C27	ᱠᱣ	LEPCHA VOWEL SIGN I
1C28	ᱠᱤ	LEPCHA VOWEL SIGN O
1C29	ᱠᱥ	LEPCHA VOWEL SIGN OO
1C2A	ᱠᱦ	LEPCHA VOWEL SIGN U
1C2B	ᱠᱧ	LEPCHA VOWEL SIGN UU
1C2C	ᱠᱨ	LEPCHA VOWEL SIGN E

Consonant signs

1C2D	ᱠᱩ	LEPCHA CONSONANT SIGN K
1C2E	ᱠᱪ	LEPCHA CONSONANT SIGN M
1C2F	ᱠᱫ	LEPCHA CONSONANT SIGN L
1C30	ᱠᱬ	LEPCHA CONSONANT SIGN N
1C31	ᱠᱭ	LEPCHA CONSONANT SIGN P
1C32	ᱠᱮ	LEPCHA CONSONANT SIGN R
1C33	ᱠᱯ	LEPCHA CONSONANT SIGN T
1C34	ᱠᱰ	LEPCHA CONSONANT SIGN NYIN-DO
1C35	ᱠᱱ	LEPCHA CONSONANT SIGN KANG

Various signs

1C36	ᱠᱡ	LEPCHA SIGN RAN
1C37	ᱠᱢ	LEPCHA SIGN NUKTA

Punctuation

1C3B	ᱠᱣ	LEPCHA PUNCTUATION TA-ROL
1C3C	ᱠᱤ	LEPCHA PUNCTUATION NYET THYOOM TA-ROL
1C3D	ᱠᱥ	LEPCHA PUNCTUATION CER-WA
1C3E	ᱠᱦ	LEPCHA PUNCTUATION TSHOOK CER-WA
1C3F	ᱠᱧ	LEPCHA PUNCTUATION TSHOOK

Digits

1C40	ᱠᱨ	LEPCHA DIGIT ZERO
1C41	ᱠᱩ	LEPCHA DIGIT ONE
1C42	ᱠᱪ	LEPCHA DIGIT TWO
1C43	ᱠᱫ	LEPCHA DIGIT THREE
1C44	ᱠᱬ	LEPCHA DIGIT FOUR
1C45	ᱠᱭ	LEPCHA DIGIT FIVE
1C46	ᱠᱮ	LEPCHA DIGIT SIX
1C47	ᱠᱯ	LEPCHA DIGIT SEVEN
1C48	ᱠᱰ	LEPCHA DIGIT EIGHT
1C49	ᱠᱱ	LEPCHA DIGIT NINE

Additional letters

1C4D	ᱠᱲ	LEPCHA LETTER TTA
1C4E	ᱠᱳ	LEPCHA LETTER TTHA
1C4F	ᱠᱴ	LEPCHA LETTER DDA

	1C5	1C6	1C7
0	0 1C50	b 1C60	⓪ 1C70
1	𑌒 1C51	𑌓 1C61	𑌔 1C71
2	𑌕 1C52	𑌖 1C62	𑌗 1C72
3	𑌘 1C53	𑌙 1C63	𑌚 1C73
4	𑌛 1C54	𑌜 1C64	𑌝 1C74
5	𑌞 1C55	𑌟 1C65	𑌠 1C75
6	𑌢 1C56	𑌣 1C66	𑌤 1C76
7	𑌧 1C57	𑌨 1C67	𑌩 1C77
8	𑌮 1C58	𑌯 1C68	· 1C78
9	𑌲 1C59	𑌳 1C69	· 1C79
A	𑌷 1C5A	𑌸 1C6A	· 1C7A
B	𑌻 1C5B	𑌼 1C6B	~ 1C7B
C	𑌿 1C5C	𑍀 1C6C	- 1C7C
D	𑍄 1C5D	𑍅 1C6D	𑍆 1C7D
E	𑍊 1C5E	𑍋 1C6E	𑍌 1C7E
F	𑍐 1C5F	𑍑 1C6F	𑍒 1C7F

Digits

1C50	0	OL CHIKI DIGIT ZERO
1C51	𑌒	OL CHIKI DIGIT ONE
1C52	𑌕	OL CHIKI DIGIT TWO
1C53	𑌘	OL CHIKI DIGIT THREE
1C54	𑌛	OL CHIKI DIGIT FOUR
1C55	𑌞	OL CHIKI DIGIT FIVE
1C56	𑌢	OL CHIKI DIGIT SIX
1C57	𑌧	OL CHIKI DIGIT SEVEN
1C58	𑌮	OL CHIKI DIGIT EIGHT
1C59	𑌲	OL CHIKI DIGIT NINE

Letters



























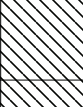





















1C5A	𑌷	OL CHIKI LETTER LA
1C5B	𑌻	OL CHIKI LETTER AT
1C5C	𑌿	OL CHIKI LETTER AG
1C5D	𑍄	OL CHIKI LETTER ANG
1C5E	𑍊	OL CHIKI LETTER AL
1C5F	𑍐	OL CHIKI LETTER LAA
1C60	𑌓	OL CHIKI LETTER AAK
1C61	𑌔	OL CHIKI LETTER AAJ
1C62	𑌕	OL CHIKI LETTER AAM
1C63	𑌖	OL CHIKI LETTER AAW
1C64	𑌗	OL CHIKI LETTER LI
1C65	𑌘	OL CHIKI LETTER IS
1C66	𑌙	OL CHIKI LETTER IH
1C67	𑌚	OL CHIKI LETTER INY
1C68	𑌛	OL CHIKI LETTER IR
1C69	𑌜	OL CHIKI LETTER LU
1C6A	𑌝	OL CHIKI LETTER UC
1C6B	𑌞	OL CHIKI LETTER UD
1C6C	𑌟	OL CHIKI LETTER UNN
1C6D	𑌠	OL CHIKI LETTER UY
1C6E	𑌡	OL CHIKI LETTER LE
1C6F	𑌢	OL CHIKI LETTER EP
1C70	𑌣	OL CHIKI LETTER EDD
1C71	𑌤	OL CHIKI LETTER EN
1C72	𑌥	OL CHIKI LETTER ERR
1C73	𑌦	OL CHIKI LETTER LO
1C74	𑌧	OL CHIKI LETTER OTT
1C75	𑌨	OL CHIKI LETTER OB
1C76	𑌩	OL CHIKI LETTER OV
1C77	𑌪	OL CHIKI LETTER OH

Modifier letters

1C78	·	OL CHIKI MU TTUDDAG • nasalization mark
1C79	·	OL CHIKI GAAHLAA TTUDDAAG • vowel modifier
1C7A	:	OL CHIKI MU-GAAHLAA TTUDDAAG
1C7B	~	OL CHIKI RELAA • length mark
1C7C	-	OL CHIKI PHAARKAA • glottal protector
1C7D	𑍆	OL CHIKI AHAD • deglottalizes consonants

Punctuation

1C7E	𑍌	OL CHIKI PUNCTUATION MUCAAD
1C7F	𑍒	OL CHIKI PUNCTUATION DOUBLE MUCAAD

	1CD	1CE	1CF
0	 1CD0	 1CE0	 1CF0
1	 1CD1	 1CE1	 1CF1
2	 1CD2	 1CE2	 1CF2
3	 1CD3	 1CE3	
4	 1CD4	 1CE4	
5	 1CD5	 1CE5	
6	 1CD6	 1CE6	
7	 1CD7	 1CE7	
8	 1CD8	 1CE8	
9	 1CD9	 1CE9	
A	 1CDA	 1CEA	
B	 1CDB	 1CEB	
C	 1CDC	 1CEC	
D	 1CDD	 1CED	
E	 1CDE	 1CEE	
F	 1CDF	 1CEF	

Tone marks for the Samaveda

- 1CD0 $\hat{\circ}$ VEDIC TONE KARSHANA
= vaidika saamasvara karshanna
- 1CD1 $\hat{\circ}$ VEDIC TONE SHARA
= vaidika svarita uurdhva shara
- 1CD2 $\overset{\sim}{\circ}$ VEDIC TONE PRENKHA
• indicates vibrato
= vaidika saamasvara prenkha

Breathing mark for the Samaveda

- 1CD3 $\overset{\sim}{\sim}$ VEDIC SIGN NIHSHVASA
= vaidika saamagaana yogakaala
• separates sections between which a pause is disallowed

Signs for Yajurvedic

- 1CD4 $\overset{\sim}{\circ}$ VEDIC SIGN YAJURVEDIC MIDLINE SVARITA
• used predominantly in the Maitrayani Samhita and in some manuscripts of the Vajasaneyi Madhyandina Samhita
- 1CD5 $\overset{\sim}{\circ}$ VEDIC TONE YAJURVEDIC AGGRAVATED INDEPENDENT SVARITA
= vaidika svarita adho nyubja
- 1CD6 $\overset{\sim}{\circ}$ VEDIC TONE YAJURVEDIC INDEPENDENT SVARITA
= vaidika svarita adhah konna
- 1CD7 $\overset{\sim}{\circ}$ VEDIC TONE YAJURVEDIC KATHAKA INDEPENDENT SVARITA
= vaidika svarita adho vakra rekhaa
- 1CD8 $\overset{\sim}{\circ}$ VEDIC TONE CANDRA BELOW
= vaidika svarita adho'rdha vakra
- 1CD9 $\overset{\sim}{\circ}$ VEDIC TONE YAJURVEDIC KATHAKA INDEPENDENT SVARITA SCHROEDER
= vaidika svarita adhah samyukta rekhaa
- 1CDA $\overset{\sim}{\circ}$ VEDIC TONE DOUBLE SVARITA
= vaidika svarita uurdhva dvi rekhaa
→ 0951 $\overset{\sim}{\circ}$ devanagari stress sign udatta
- 1CDB $\overset{\sim}{\circ}$ VEDIC TONE TRIPLE SVARITA
= vaidika svarita uurdhva tri rekhaa
- 1CDC $\overset{\sim}{\circ}$ VEDIC TONE KATHAKA ANUDATTA
= vaidika svarita adho rekhaa
→ 0952 $\overset{\sim}{\circ}$ devanagari stress sign anudatta
- 1CDD $\overset{\sim}{\circ}$ VEDIC TONE DOT BELOW
= vaidika svarita adho bindu

Tone marks for the Satapathabrahmana

- 1CDE $\overset{\sim}{\circ}$ VEDIC TONE TWO DOTS BELOW
= vaidika svarita adho dvi bindu
- 1CDF $\overset{\sim}{\circ}$ VEDIC TONE THREE DOTS BELOW
= vaidika svarita adhas tri bindu

Tone mark for the Rigveda

- 1CE0 $\overset{\sim}{\circ}$ VEDIC TONE RIGVEDIC KASHMIRI INDEPENDENT SVARITA
= vaidika uurdhva vakra rekhaa

Tone mark for the Atharvaveda

- 1CE1 $\overset{\sim}{\circ}$ VEDIC TONE ATHARVAVEDIC INDEPENDENT SVARITA
= vaidika svarita dvi vakra khaanda

Diacritics for visarga

- 1CE2 $\overset{\sim}{\circ}$ VEDIC SIGN VISARGA SVARITA
= vaidika madhyarekhaa
- 1CE3 $\overset{\sim}{\circ}$ VEDIC SIGN VISARGA UDATTA
= vaidika visarga dakshinnatah uurdhvaga
- 1CE4 $\overset{\sim}{\circ}$ VEDIC SIGN REVERSED VISARGA UDATTA
= vaidika visarga vaamatah uurdhvaga

- 1CE5 $\overset{\sim}{\circ}$ VEDIC SIGN VISARGA ANUDATTA
= vaidika visarga vaamatah adhoga
- 1CE6 $\overset{\sim}{\circ}$ VEDIC SIGN REVERSED VISARGA ANUDATTA
= vaidika visarga dakshinnatah adhoga
- 1CE7 $\overset{\sim}{\circ}$ VEDIC SIGN VISARGA UDATTA WITH TAIL
= vaidika visarga dakshinnatah uurdhva vakra
- 1CE8 $\overset{\sim}{\circ}$ VEDIC SIGN VISARGA ANUDATTA WITH TAIL
= vaidika visarga vaamatah adho vakra

Marks of nasalization

- 1CE9 $\overset{\sim}{\circ}$ VEDIC SIGN ANUSVARA ANTARGOMUKHA
= vaidika anusvaara antarmukha
- 1CEA $\overset{\sim}{\circ}$ VEDIC SIGN ANUSVARA BAHIRGOMUKHA
= vaidika anusvaara naagaphanna
- 1CEB $\overset{\sim}{\circ}$ VEDIC SIGN ANUSVARA VAMAGOMUKHA
= vaidika anusvaara vaamagomukha
- 1CEC $\overset{\sim}{\circ}$ VEDIC SIGN ANUSVARA VAMAGOMUKHA WITH TAIL
= vaidika anusvaara vaamagomukha sa-vakra
- 1CED $\overset{\sim}{\circ}$ VEDIC SIGN TIRYAK
= vaidika tiryak
- 1CEE $\overset{\sim}{\circ}$ VEDIC SIGN HEXIFORM LONG ANUSVARA
= vaidika anusvaara anugaamii
- 1CEF $\overset{\sim}{\circ}$ VEDIC SIGN LONG ANUSVARA
= vaidika anusvaara dakshinnamukha
- 1CF0 $\overset{\sim}{\circ}$ VEDIC SIGN RTHANG LONG ANUSVARA
= vaidika anusvaara ttha-sadrisha
- 1CF1 $\overset{\sim}{\circ}$ VEDIC SIGN ANUSVARA UBHAYATO MUKHA
= vaidika anusvaara ubhayato mukha

Ardhavisarga

Ardhavisarga denotes the sounds jihvamuliya and upadhmaniya (velar and bilabial voicelss fricatives) in Sanskrit. Its use is not limited to Vedic.

- 1CF2 $\overset{\sim}{\circ}$ VEDIC SIGN ARDHAVISARGA
= vaidika jihvaamuuliya upadhmaaniya
→ 0CF1 $\overset{\sim}{\circ}$ kannada sign jihvamuliya
→ 0CF2 $\overset{\sim}{\circ}$ kannada sign upadhmaniya

	1D0	1D1	1D2	1D3	1D4	1D5	1D6	1D7
0	À 1D00	Ḃ 1D10	Ḅ 1D20	Ḍ 1D30	Ṭ 1D40	ṁ 1D50	ḥ 1D60	ḥ 1D70
1	Æ 1D01	Ḅ 1D11	Ḅ 1D21	Ḍ 1D31	Ṭ 1D41	ṁ 1D51	ḥ 1D61	ḥ 1D71
2	æ 1D02	Ḅ 1D12	Ḅ 1D22	Ḍ 1D32	Ṭ 1D42	ṁ 1D52	ḥ 1D62	ḥ 1D72
3	Ḃ 1D03	Ḃ 1D13	Ḅ 1D23	Ḍ 1D33	Ṭ 1D43	ṁ 1D53	ḥ 1D63	ḥ 1D73
4	Ḃ 1D04	Ḃ 1D14	Ḅ 1D24	Ḍ 1D34	Ṭ 1D44	ṁ 1D54	ḥ 1D64	ḥ 1D74
5	Ḃ 1D05	Ḃ 1D15	Ḅ 1D25	Ḍ 1D35	Ṭ 1D45	ṁ 1D55	ḥ 1D65	ḥ 1D75
6	Ḃ 1D06	Ḃ 1D16	Ḅ 1D26	Ḍ 1D36	Ṭ 1D46	ṁ 1D56	ḥ 1D66	ḥ 1D76
7	Ḃ 1D07	Ḃ 1D17	Ḅ 1D27	Ḍ 1D37	Ṭ 1D47	ṁ 1D57	ḥ 1D67	ḥ 1D77
8	Ḃ 1D08	Ḃ 1D18	Ḅ 1D28	Ḍ 1D38	Ṭ 1D48	ṁ 1D58	ḥ 1D68	ḥ 1D78
9	Ḃ 1D09	Ḃ 1D19	Ḅ 1D29	Ḍ 1D39	Ṭ 1D49	ṁ 1D59	ḥ 1D69	ḥ 1D79
A	Ḃ 1D0A	Ḃ 1D1A	Ḅ 1D2A	Ḍ 1D3A	Ṭ 1D4A	ṁ 1D5A	ḥ 1D6A	ḥ 1D7A
B	Ḃ 1D0B	Ḃ 1D1B	Ḅ 1D2B	Ḍ 1D3B	Ṭ 1D4B	ṁ 1D5B	ḥ 1D6B	ḥ 1D7B
C	Ḃ 1D0C	Ḃ 1D1C	Ḅ 1D2C	Ḍ 1D3C	Ṭ 1D4C	ṁ 1D5C	ḥ 1D6C	ḥ 1D7C
D	Ḃ 1D0D	Ḃ 1D1D	Ḅ 1D2D	Ḍ 1D3D	Ṭ 1D4D	ṁ 1D5D	ḥ 1D6D	ḥ 1D7D
E	Ḃ 1D0E	Ḃ 1D1E	Ḅ 1D2E	Ḍ 1D3E	Ṭ 1D4E	ṁ 1D5E	ḥ 1D6E	ḥ 1D7E
F	Ḃ 1D0F	Ḃ 1D1F	Ḅ 1D2F	Ḍ 1D3F	Ṭ 1D4F	ṁ 1D5F	ḥ 1D6F	ḥ 1D7F

These are non-IPA phonetic extensions, mostly for the Uralic Phonetic Alphabet (UPA).

The small capitals, superscript, and subscript forms are for phonetic representations where style variations are semantically important.

For general text, use regular Latin, Greek or Cyrillic letters with markup instead.

Latin letters

1D00	A	LATIN LETTER SMALL CAPITAL A
1D01	Æ	LATIN LETTER SMALL CAPITAL AE
1D02	æ	LATIN SMALL LETTER TURNED AE • glyph can also have sideways orientation
1D03	B	LATIN LETTER SMALL CAPITAL BARRED B
1D04	C	LATIN LETTER SMALL CAPITAL C
1D05	D	LATIN LETTER SMALL CAPITAL D
1D06	Ð	LATIN LETTER SMALL CAPITAL ETH
1D07	E	LATIN LETTER SMALL CAPITAL E
1D08	ɜ	LATIN SMALL LETTER TURNED OPEN E
1D09	ɪ	LATIN SMALL LETTER TURNED I
1D0A	J	LATIN LETTER SMALL CAPITAL J
1D0B	K	LATIN LETTER SMALL CAPITAL K
1D0C	Ł	LATIN LETTER SMALL CAPITAL L WITH STROKE
1D0D	M	LATIN LETTER SMALL CAPITAL M
1D0E	Ɲ	LATIN LETTER SMALL CAPITAL REVERSED N
1D0F	O	LATIN LETTER SMALL CAPITAL O
1D10	ɔ	LATIN LETTER SMALL CAPITAL OPEN O
1D11	o	LATIN SMALL LETTER SIDEWAYS O
1D12	o	LATIN SMALL LETTER SIDEWAYS OPEN O
1D13	œ	LATIN SMALL LETTER SIDEWAYS O WITH STROKE
1D14	œ	LATIN SMALL LETTER TURNED OE • glyph can also have sideways orientation
1D15	ø	LATIN LETTER SMALL CAPITAL OU
1D16	ʌ	LATIN SMALL LETTER TOP HALF O
1D17	ʋ	LATIN SMALL LETTER BOTTOM HALF O
1D18	P	LATIN LETTER SMALL CAPITAL P • represents a semi-voiced [p]
1D19	ɹ	LATIN LETTER SMALL CAPITAL REVERSED R
1D1A	ɹ	LATIN LETTER SMALL CAPITAL TURNED R
1D1B	T	LATIN LETTER SMALL CAPITAL T
1D1C	U	LATIN LETTER SMALL CAPITAL U
1D1D	ɹ	LATIN SMALL LETTER SIDEWAYS U
1D1E	ɹ	LATIN SMALL LETTER SIDEWAYS DIAERESIZED U • glyph can also have turned orientation
1D1F	Ʒ	LATIN SMALL LETTER SIDEWAYS TURNED M
1D20	V	LATIN LETTER SMALL CAPITAL V
1D21	W	LATIN LETTER SMALL CAPITAL W
1D22	Z	LATIN LETTER SMALL CAPITAL Z
1D23	ɜ	LATIN LETTER SMALL CAPITAL EZH
1D24	ʔ	LATIN LETTER VOICED LARYNGEAL SPIRANT
1D25	ʕ	LATIN LETTER AIN

Greek letters

1D26	Γ	GREEK LETTER SMALL CAPITAL GAMMA
1D27	Λ	GREEK LETTER SMALL CAPITAL LAMDA
1D28	Π	GREEK LETTER SMALL CAPITAL PI
1D29	Ρ	GREEK LETTER SMALL CAPITAL RHO • represents a voiceless uvular trill
1D2A	Ψ	GREEK LETTER SMALL CAPITAL PSI

Cyrillic letter

1D2B	Ӏ	CYRILLIC LETTER SMALL CAPITAL EL • in italic style, the glyph is obliqued, not italicized → 043B Ӏ cyrillic small letter el
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Latin superscript modifier letters

See also superscript Latin letters in the Spacing Modifier Letters block starting at 02B0.

1D2C	ˆ	MODIFIER LETTER CAPITAL A ≈ <sup> 0041 A
1D2D	ˆ	MODIFIER LETTER CAPITAL AE ≈ <sup> 00C6 Æ
1D2E	ˆ	MODIFIER LETTER CAPITAL B ≈ <sup> 0042 B
1D2F	ˆ	MODIFIER LETTER CAPITAL BARRED B ≈ <sup> 0044 D
1D30	ˆ	MODIFIER LETTER CAPITAL D ≈ <sup> 0044 D
1D31	ˆ	MODIFIER LETTER CAPITAL E ≈ <sup> 0045 E
1D32	ˆ	MODIFIER LETTER CAPITAL REVERSED E ≈ <sup> 018E Ǝ
1D33	ˆ	MODIFIER LETTER CAPITAL G ≈ <sup> 0047 G
1D34	ˆ	MODIFIER LETTER CAPITAL H ≈ <sup> 0048 H
1D35	ˆ	MODIFIER LETTER CAPITAL I ≈ <sup> 0049 I
1D36	ˆ	MODIFIER LETTER CAPITAL J ≈ <sup> 004A J
1D37	ˆ	MODIFIER LETTER CAPITAL K ≈ <sup> 004B K
1D38	ˆ	MODIFIER LETTER CAPITAL L ≈ <sup> 004C L
1D39	ˆ	MODIFIER LETTER CAPITAL M ≈ <sup> 004D M
1D3A	ˆ	MODIFIER LETTER CAPITAL N ≈ <sup> 004E N
1D3B	ˆ	MODIFIER LETTER CAPITAL REVERSED N ≈ <sup> 004F O
1D3C	ˆ	MODIFIER LETTER CAPITAL O ≈ <sup> 004F O
1D3D	ˆ	MODIFIER LETTER CAPITAL OU ≈ <sup> 0222 8
1D3E	ˆ	MODIFIER LETTER CAPITAL P ≈ <sup> 0050 P
1D3F	ˆ	MODIFIER LETTER CAPITAL R ≈ <sup> 0052 R
1D40	ˆ	MODIFIER LETTER CAPITAL T ≈ <sup> 0054 T
1D41	ˆ	MODIFIER LETTER CAPITAL U ≈ <sup> 0055 U
1D42	ˆ	MODIFIER LETTER CAPITAL W ≈ <sup> 0057 W
1D43	ˆ	MODIFIER LETTER SMALL A ≈ <sup> 0061 a
1D44	ˆ	MODIFIER LETTER SMALL TURNED A ≈ <sup> 0250 ʞ
1D45	ˆ	MODIFIER LETTER SMALL ALPHA ≈ <sup> 0251 a
1D46	ˆ	MODIFIER LETTER SMALL TURNED AE ≈ <sup> 1D02 æ
1D47	ˆ	MODIFIER LETTER SMALL B ≈ <sup> 0062 b

1D48	^d	MODIFIER LETTER SMALL D ≈ <super> 0064 d
1D49	^e	MODIFIER LETTER SMALL E ≈ <super> 0065 e
1D4A	^ə	MODIFIER LETTER SMALL SCHWA ≈ <super> 0259 ə
1D4B	^ɛ	MODIFIER LETTER SMALL OPEN E ≈ <super> 025B ɛ
1D4C	^ɜ	MODIFIER LETTER SMALL TURNED OPEN E • more appropriate equivalence would be to 1D08 ɜ ≈ <super> 025C ɜ
1D4D	^g	MODIFIER LETTER SMALL G ≈ <super> 0067 g
1D4E	^ɨ	MODIFIER LETTER SMALL TURNED I
1D4F	^k	MODIFIER LETTER SMALL K ≈ <super> 006B k
1D50	^m	MODIFIER LETTER SMALL M ≈ <super> 006D m
1D51	^ŋ	MODIFIER LETTER SMALL ENG ≈ <super> 014B ŋ
1D52	^o	MODIFIER LETTER SMALL O ≈ <super> 006F o
1D53	^ɔ	MODIFIER LETTER SMALL OPEN O ≈ <super> 0254 ɔ
1D54	^{◌̊}	MODIFIER LETTER SMALL TOP HALF O ≈ <super> 1D16 ◌̊
1D55	^{◌̋}	MODIFIER LETTER SMALL BOTTOM HALF O ≈ <super> 1D17 ◌̋
1D56	^p	MODIFIER LETTER SMALL P ≈ <super> 0070 p
1D57	^t	MODIFIER LETTER SMALL T ≈ <super> 0074 t
1D58	^u	MODIFIER LETTER SMALL U ≈ <super> 0075 u
1D59	^ɥ	MODIFIER LETTER SMALL SIDEWAYS U ≈ <super> 1D1D ɥ
1D5A	^{ɥ̊}	MODIFIER LETTER SMALL TURNED M ≈ <super> 026F ɥ̊
1D5B	^v	MODIFIER LETTER SMALL V ≈ <super> 0076 v
1D5C	^ɶ	MODIFIER LETTER SMALL AIN ≈ <super> 1D25 ɶ

Greek superscript modifier letters

1D5D	^β	MODIFIER LETTER SMALL BETA ≈ <super> 03B2 β
1D5E	^γ	MODIFIER LETTER SMALL GREEK GAMMA ≈ <super> 03B3 γ
1D5F	^δ	MODIFIER LETTER SMALL DELTA ≈ <super> 03B4 δ
1D60	^φ	MODIFIER LETTER SMALL GREEK PHI ≈ <super> 03C6 φ
1D61	^χ	MODIFIER LETTER SMALL CHI ≈ <super> 03C7 χ

Latin subscript modifier letters

1D62	_i	LATIN SUBSCRIPT SMALL LETTER I ≈ <sub> 0069 i
1D63	_r	LATIN SUBSCRIPT SMALL LETTER R ≈ <sub> 0072 r
1D64	_u	LATIN SUBSCRIPT SMALL LETTER U ≈ <sub> 0075 u

1D65	_v	LATIN SUBSCRIPT SMALL LETTER V ≈ <sub> 0076 v
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Greek subscript modifier letters

1D66	_β	GREEK SUBSCRIPT SMALL LETTER BETA ≈ <sub> 03B2 β
1D67	_γ	GREEK SUBSCRIPT SMALL LETTER GAMMA ≈ <sub> 03B3 γ
1D68	_ρ	GREEK SUBSCRIPT SMALL LETTER RHO ≈ <sub> 03C1 ρ
1D69	_φ	GREEK SUBSCRIPT SMALL LETTER PHI ≈ <sub> 03C6 φ
1D6A	_χ	GREEK SUBSCRIPT SMALL LETTER CHI ≈ <sub> 03C7 χ

Latin letter

1D6B	ɶ	LATIN SMALL LETTER UE
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Latin letters with middle tilde

An additional letter with middle tilde is found in another block.

1D6C	ɪ̃	LATIN SMALL LETTER I WITH MIDDLE TILDE → 026B ɪ̃ latin small letter i with middle tilde
1D6D	ɔ̃	LATIN SMALL LETTER D WITH MIDDLE TILDE
1D6E	ƒ̃	LATIN SMALL LETTER F WITH MIDDLE TILDE
1D6F	ɱ̃	LATIN SMALL LETTER M WITH MIDDLE TILDE
1D70	ɳ̃	LATIN SMALL LETTER N WITH MIDDLE TILDE
1D71	ɹ̃	LATIN SMALL LETTER P WITH MIDDLE TILDE
1D72	ʀ̃	LATIN SMALL LETTER R WITH MIDDLE TILDE
1D73	ʁ̃	LATIN SMALL LETTER R WITH FISHHOOK AND MIDDLE TILDE
1D74	ʂ̃	LATIN SMALL LETTER S WITH MIDDLE TILDE
1D75	ʈ̃	LATIN SMALL LETTER T WITH MIDDLE TILDE
1D76	ʐ̃	LATIN SMALL LETTER Z WITH MIDDLE TILDE

Caucasian linguistics

1D77	Ლ	LATIN SMALL LETTER TURNED G • Georgian transcription → 10F9 Ლ georgian letter turned gan
1D78	Მ	MODIFIER LETTER CYRILLIC EN ≈ <super> 043D Მ

Other phonetic symbols

1D79	ḡ	LATIN SMALL LETTER INSULAR G • older Irish phonetic notation • uppercase is A77D Ḡ → 0067 g latin small letter g → 021D ȝ latin small letter yogh → 0261 ɡ latin small letter script g → 0263 ɣ latin small letter gamma
1D7A	th̄	LATIN SMALL LETTER TH WITH STRIKETHROUGH • American dictionary usage → 03B8 θ greek small letter theta
1D7B	ɪ̇	LATIN SMALL CAPITAL LETTER I WITH STROKE • used with different meanings by Americanists and Oxford dictionaries
1D7C	ɪ̇	LATIN SMALL LETTER IOTA WITH STROKE • used by Russianists
1D7D	ɹ̇	LATIN SMALL LETTER P WITH STROKE • used by Americanists • uppercase is 2C63 Ṗ
1D7E	u̇	LATIN SMALL CAPITAL LETTER U WITH STROKE • used by Americanists

- 1D7F ǝ LATIN SMALL LETTER UPSILON WITH STROKE
- used by Americanists and Oxford dictionaries

	1D8	1D9	1DA	1DB
0	ḅ 1D80	ḁ 1D90	f 1DA0	N 1DB0
1	ḍ 1D81	ḏ 1D91	J 1DA1	Ḟ 1DB1
2	ḟ 1D82	ḡ 1D92	g 1DA2	ϕ 1DB2
3	ḡ 1D83	ḣ 1D93	ɥ 1DA3	ʂ 1DB3
4	ḵ 1D84	Ḷ 1D94	ı 1DA4	ʃ 1DB4
5	ḷ 1D85	ḭ 1D95	ı 1DA5	ṭ 1DB5
6	ḹ 1D86	ḻ 1D96	I 1DA6	ʈ 1DB6
7	ḽ 1D87	ḿ 1D97	ɨ 1DA7	ʉ 1DB7
8	ḽ 1D88	ṡ 1D98	j 1DA8	U 1DB8
9	ṣ 1D89	ṣ 1D99	l 1DA9	ʋ 1DB9
A	ṣ 1D8A	ṣ 1D9A	ḷ 1DAA	Λ 1DBA
B	ṣ 1D8B	ṣ 1D9B	L 1DAB	Z 1DBB
C	ṣ 1D8C	c 1D9C	ṣ 1DAC	z 1DBC
D	ṣ 1D8D	ḡ 1D9D	ɥ 1DAD	z 1DBD
E	z 1D8E	ḡ 1D9E	ɥ 1DAE	z 1DBE
F	ḡ 1D8F	z 1D9F	ḡ 1DAF	ḡ 1DBF

Latin letters with palatal hook

An additional letter with palatal hook is found in another block.

	→ 01AB	ṭ	latin small letter t with palatal hook
1D80	ḅ	LATIN SMALL LETTER B WITH PALATAL HOOK	
1D81	ḍ	LATIN SMALL LETTER D WITH PALATAL HOOK	
1D82	f̣	LATIN SMALL LETTER F WITH PALATAL HOOK	
1D83	g̣	LATIN SMALL LETTER G WITH PALATAL HOOK	
1D84	ḳ	LATIN SMALL LETTER K WITH PALATAL HOOK	
1D85	ḷ	LATIN SMALL LETTER L WITH PALATAL HOOK	
1D86	ṃ	LATIN SMALL LETTER M WITH PALATAL HOOK	
1D87	ṇ	LATIN SMALL LETTER N WITH PALATAL HOOK	
1D88	p̣	LATIN SMALL LETTER P WITH PALATAL HOOK	
1D89	ṛ	LATIN SMALL LETTER R WITH PALATAL HOOK	
1D8A	ṣ	LATIN SMALL LETTER S WITH PALATAL HOOK	
1D8B	ʃ̣	LATIN SMALL LETTER ESH WITH PALATAL HOOK	
1D8C	ṿ	LATIN SMALL LETTER V WITH PALATAL HOOK	
1D8D	x̣	LATIN SMALL LETTER X WITH PALATAL HOOK	
1D8E	ẓ	LATIN SMALL LETTER Z WITH PALATAL HOOK	

Latin letters with retroflex hook

IPA recommends transcribing vowels with r-coloring (rhoticity) with the rhotic hook instead.

→ 02DE ˘ modifier letter rhotic hook

Additional letters with retroflex hook are found in other blocks.

	→ 01AE	Ṭ	latin capital letter t with retroflex hook
	→ 0256	ḍ	latin small letter d with tail
	→ 026D	ḷ	latin small letter l with retroflex hook
	→ 0273	ṇ	latin small letter n with retroflex hook
	→ 027B	ṛ	latin small letter turned r with hook
	→ 027D	ṛ	latin small letter r with tail
	→ 0282	ṣ	latin small letter s with hook
	→ 0285	ʃ̣	latin small letter squat reversed esh
	→ 0288	ṭ	latin small letter t with retroflex hook
	→ 0290	ẓ	latin small letter z with retroflex hook
	→ 02AF	ɥ̣	latin small letter turned h with fishhook and tail
1D8F	ɑ̣	LATIN SMALL LETTER A WITH RETROFLEX HOOK	
1D90	α̣	LATIN SMALL LETTER ALPHA WITH RETROFLEX HOOK	
1D91	ɖ̣	LATIN SMALL LETTER D WITH HOOK AND TAIL	
1D92	ẹ	LATIN SMALL LETTER E WITH RETROFLEX HOOK	
1D93	ɛ̣	LATIN SMALL LETTER OPEN E WITH RETROFLEX HOOK	
1D94	ɜ̣	LATIN SMALL LETTER REVERSED OPEN E WITH RETROFLEX HOOK	
	→ 025D	ɜ̣	latin small letter reversed open e with hook
1D95	ə̣	LATIN SMALL LETTER SCHWA WITH RETROFLEX HOOK	
	→ 025A	ə̣	latin small letter schwa with hook
1D96	ị	LATIN SMALL LETTER I WITH RETROFLEX HOOK	
1D97	ɔ̣	LATIN SMALL LETTER OPEN O WITH RETROFLEX HOOK	
1D98	ʃ̣	LATIN SMALL LETTER ESH WITH RETROFLEX HOOK	
1D99	ụ	LATIN SMALL LETTER U WITH RETROFLEX HOOK	




























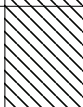



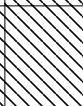










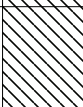



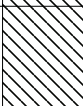



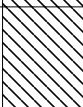



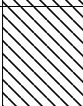



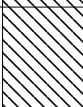





1D9A ɜ̣ LATIN SMALL LETTER EZH WITH RETROFLEX HOOK

Modifier letters

Other modifier letters can be found in the Spacing Modifier Letters, Phonetic Extensions, as well as Superscripts and Subscripts blocks.

1D9B	^ɔ	MODIFIER LETTER SMALL TURNED ALPHA
	≈ <sup>	0252 ɔ
1D9C	^c	MODIFIER LETTER SMALL C
	≈ <sup>	0063 c
1D9D	^c	MODIFIER LETTER SMALL C WITH CURL
	≈ <sup>	0255 c
1D9E	^ð	MODIFIER LETTER SMALL ETH
	≈ <sup>	00F0 ð
1D9F	^ɜ	MODIFIER LETTER SMALL REVERSED OPEN E
	≈ <sup>	025C ɜ
1DA0	^f	MODIFIER LETTER SMALL F
	≈ <sup>	0066 f
1DA1	^j	MODIFIER LETTER SMALL DOTLESS J WITH STROKE
	≈ <sup>	025F j
1DA2	^g	MODIFIER LETTER SMALL SCRIPT G
	≈ <sup>	0261 g
1DA3	^ɥ	MODIFIER LETTER SMALL TURNED H
	≈ <sup>	0265 ɥ
1DA4	ⁱ	MODIFIER LETTER SMALL I WITH STROKE
	≈ <sup>	0268 i
1DA5	^ɪ	MODIFIER LETTER SMALL IOTA
	≈ <sup>	0269 ɪ
1DA6	^ɪ	MODIFIER LETTER SMALL CAPITAL I
	• not for use in UPA	
	→ 1D35	^ɪ modifier letter capital i
	≈ <sup>	026A ɪ
1DA7	^ɪ	MODIFIER LETTER SMALL CAPITAL I WITH STROKE
	≈ <sup>	1D7B ɪ
1DA8	^j	MODIFIER LETTER SMALL J WITH CROSSED-TAIL
	≈ <sup>	029D j
1DA9	^l	MODIFIER LETTER SMALL L WITH RETROFLEX HOOK
	≈ <sup>	026D l
1DAA	^l	MODIFIER LETTER SMALL L WITH PALATAL HOOK
	≈ <sup>	1D85 l
1DAB	^l	MODIFIER LETTER SMALL CAPITAL L
	• not for use in UPA	
	→ 1D38	^l modifier letter capital l
	≈ <sup>	029F l
1DAC	^ɱ	MODIFIER LETTER SMALL M WITH HOOK
	≈ <sup>	0271 ɱ
1DAD	^ɱ	MODIFIER LETTER SMALL TURNED M WITH LONG LEG
	≈ <sup>	0270 ɱ
1DAE	^ɲ	MODIFIER LETTER SMALL N WITH LEFT HOOK
	≈ <sup>	0272 ɲ
1DAF	^ɳ	MODIFIER LETTER SMALL N WITH RETROFLEX HOOK
	≈ <sup>	0273 ɳ
1DB0	^ɳ	MODIFIER LETTER SMALL CAPITAL N
	• not for use in UPA	
	→ 1D3A	^ɳ modifier letter capital n
	≈ <sup>	0274 ɳ

1DB1	◦	MODIFIER LETTER SMALL BARRED O ≈ <sup> 0275 ◦
1DB2	ϕ	MODIFIER LETTER SMALL PHI ≈ <sup> 0278 ϕ
1DB3	§	MODIFIER LETTER SMALL S WITH HOOK ≈ <sup> 0282 §
1DB4	ƒ	MODIFIER LETTER SMALL ESH ≈ <sup> 0283 ƒ
1DB5	‡	MODIFIER LETTER SMALL T WITH PALATAL HOOK ≈ <sup> 01AB ‡
1DB6	‡	MODIFIER LETTER SMALL U BAR ≈ <sup> 0289 ‡
1DB7	υ	MODIFIER LETTER SMALL UPSILON ≈ <sup> 028A υ
1DB8	υ	MODIFIER LETTER SMALL CAPITAL U • not for use in UPA → 1D41 ^υ modifier letter capital u ≈ <sup> 1D1C υ
1DB9	υ	MODIFIER LETTER SMALL V WITH HOOK ≈ <sup> 028B υ
1DBA	Λ	MODIFIER LETTER SMALL TURNED V ≈ <sup> 028C Λ
1DBB	z	MODIFIER LETTER SMALL Z ≈ <sup> 007A z
1DBC	z	MODIFIER LETTER SMALL Z WITH RETROFLEX HOOK ≈ <sup> 0290 z _l
1DBD	z	MODIFIER LETTER SMALL Z WITH CURL ≈ <sup> 0291 z
1DBE	3	MODIFIER LETTER SMALL EZH ≈ <sup> 0292 3
1DBF	θ	MODIFIER LETTER SMALL THETA ≈ <sup> 03B8 θ

	1DC	1DD	1DE	1DF
0	 1DC0	 1DD0	 1DE0	
1	 1DC1	 1DD1	 1DE1	
2	 1DC2	 1DD2	 1DE2	
3	 1DC3	 1DD3	 1DE3	
4	 1DC4	 1DD4	 1DE4	
5	 1DC5	 1DD5	 1DE5	
6	 1DC6	 1DD6	 1DE6	
7	 1DC7	 1DD7		
8	 1DC8	 1DD8		
9	 1DC9	 1DD9		
A	 1DCA	 1DDA		
B	 1DCB	 1ddb		
C	 1DCC	 1DCC		 1DFC
D	 1DCD	 1DDD		 1DFD
E	 1DCE	 1DDE		 1DFE
F	 1DCF	 1DDF		 1DFF

Used for Ancient Greek

These are used as editorial signs for Ancient Greek to indicate scribal deletion of erroneous accent marks.

- 1DC0 ◌̣ COMBINING DOTTED GRAVE ACCENT
→ 1FED ◌̣ greek dialytika and varia
- 1DC1 ◌̣ COMBINING DOTTED ACUTE ACCENT
→ 0344 ◌̣ combining greek dialytika tonos
→ 1FEE ◌̣ greek dialytika and oxia

Miscellaneous marks

- 1DC2 ◌̣ COMBINING SNAKE BELOW
- 1DC3 ◌̣ COMBINING SUSPENSION MARK
• Glagolitic
→ 0306 ◌̣ combining breve

Contour tone marks

- 1DC4 ◌̣ COMBINING MACRON-ACUTE
- 1DC5 ◌̣ COMBINING GRAVE-MACRON
- 1DC6 ◌̣ COMBINING MACRON-GRAVE
- 1DC7 ◌̣ COMBINING ACUTE-MACRON
- 1DC8 ◌̣ COMBINING GRAVE-ACUTE-GRAVE
- 1DC9 ◌̣ COMBINING ACUTE-GRAVE-ACUTE

Miscellaneous mark

- 1DCA ◌̣ COMBINING LATIN SMALL LETTER R BELOW

Contour tone marks

- 1DCB ◌̣ COMBINING BREVE-MACRON
• Lithuanian dialectology
- 1DCC ◌̣ COMBINING MACRON-BREVE
• Lithuanian dialectology

Double diacritic

- 1DCD ◌̣ COMBINING DOUBLE CIRCUMFLEX ABOVE

Medievalist additions

- 1DCE ◌̣ COMBINING OGONEK ABOVE
- 1DCF ◌̣ COMBINING ZIGZAG BELOW
- 1DD0 ◌̣ COMBINING IS BELOW
- 1DD1 ◌̣ COMBINING UR ABOVE
- 1DD2 ◌̣ COMBINING US ABOVE

Medieval superscript letter diacritics

- 1DD3 ◌̣ COMBINING LATIN SMALL LETTER FLATTENED OPEN A ABOVE
- 1DD4 ◌̣ COMBINING LATIN SMALL LETTER AE
- 1DD5 ◌̣ COMBINING LATIN SMALL LETTER AO
- 1DD6 ◌̣ COMBINING LATIN SMALL LETTER AV
- 1DD7 ◌̣ COMBINING LATIN SMALL LETTER C CEDILLA
- 1DD8 ◌̣ COMBINING LATIN SMALL LETTER INSULAR D
- 1DD9 ◌̣ COMBINING LATIN SMALL LETTER ETH
- 1DDA ◌̣ COMBINING LATIN SMALL LETTER G
- 1ddb ◌̣ COMBINING LATIN LETTER SMALL CAPITAL G
- 1DDC ◌̣ COMBINING LATIN SMALL LETTER K
- 1DDD ◌̣ COMBINING LATIN SMALL LETTER L
- 1DDE ◌̣ COMBINING LATIN LETTER SMALL CAPITAL L
- 1DDF ◌̣ COMBINING LATIN LETTER SMALL CAPITAL M
- 1DE0 ◌̣ COMBINING LATIN SMALL LETTER N
- 1DE1 ◌̣ COMBINING LATIN LETTER SMALL CAPITAL N
- 1DE2 ◌̣ COMBINING LATIN LETTER SMALL CAPITAL R
- 1DE3 ◌̣ COMBINING LATIN SMALL LETTER R ROTUNDA
- 1DE4 ◌̣ COMBINING LATIN SMALL LETTER S
- 1DE5 ◌̣ COMBINING LATIN SMALL LETTER LONG S
- 1DE6 ◌̣ COMBINING LATIN SMALL LETTER Z

Double diacritic mark for UPA

- 1DFC ◌̣ COMBINING DOUBLE INVERTED BREVE BELOW

Miscellaneous mark

- 1DFD ◌̣ COMBINING ALMOST EQUAL TO BELOW

Additional marks for UPA

- 1DFE ◌̣ COMBINING LEFT ARROWHEAD ABOVE
- 1DFF ◌̣ COMBINING RIGHT ARROWHEAD AND DOWN ARROWHEAD BELOW

	1E0	1E1	1E2	1E3	1E4	1E5	1E6	1E7	1E8	1E9	1EA	1EB	1EC	1ED	1EE	1EF
0	À 1E00	Ā 1E10	Ā 1E20	Ā 1E30	Ā 1E40	Ā 1E50	Ā 1E60	Ā 1E70	Ā 1E80	Ā 1E90	Ā 1EA0	Ā 1EB0	Ā 1EC0	Ā 1ED0	Ā 1EE0	Ā 1EF0
1	à 1E01	ā 1E11	ā 1E21	ā 1E31	ā 1E41	ā 1E51	ā 1E61	ā 1E71	ā 1E81	ā 1E91	ā 1EA1	ā 1EB1	ā 1EC1	ā 1ED1	ā 1EE1	ā 1EF1
2	Ā 1E02	Ā 1E12	Ā 1E22	Ā 1E32	Ā 1E42	Ā 1E52	Ā 1E62	Ā 1E72	Ā 1E82	Ā 1E92	Ā 1EA2	Ā 1EB2	Ā 1EC2	Ā 1ED2	Ā 1EE2	Ā 1EF2
3	ā 1E03	ā 1E13	ā 1E23	ā 1E33	ā 1E43	ā 1E53	ā 1E63	ā 1E73	ā 1E83	ā 1E93	ā 1EA3	ā 1EB3	ā 1EC3	ā 1ED3	ā 1EE3	ā 1EF3
4	Ā 1E04	Ā 1E14	Ā 1E24	Ā 1E34	Ā 1E44	Ā 1E54	Ā 1E64	Ā 1E74	Ā 1E84	Ā 1E94	Ā 1EA4	Ā 1EB4	Ā 1EC4	Ā 1ED4	Ā 1EE4	Ā 1EF4
5	ā 1E05	ā 1E15	ā 1E25	ā 1E35	ā 1E45	ā 1E55	ā 1E65	ā 1E75	ā 1E85	ā 1E95	ā 1EA5	ā 1EB5	ā 1EC5	ā 1ED5	ā 1EE5	ā 1EF5
6	Ā 1E06	Ā 1E16	Ā 1E26	Ā 1E36	Ā 1E46	Ā 1E56	Ā 1E66	Ā 1E76	Ā 1E86	Ā 1E96	Ā 1EA6	Ā 1EB6	Ā 1EC6	Ā 1ED6	Ā 1EE6	Ā 1EF6
7	ā 1E07	ā 1E17	ā 1E27	ā 1E37	ā 1E47	ā 1E57	ā 1E67	ā 1E77	ā 1E87	ā 1E97	ā 1EA7	ā 1EB7	ā 1EC7	ā 1ED7	ā 1EE7	ā 1EF7
8	Ā 1E08	Ā 1E18	Ā 1E28	Ā 1E38	Ā 1E48	Ā 1E58	Ā 1E68	Ā 1E78	Ā 1E88	Ā 1E98	Ā 1EA8	Ā 1EB8	Ā 1EC8	Ā 1ED8	Ā 1EE8	Ā 1EF8
9	ā 1E09	ā 1E19	ā 1E29	ā 1E39	ā 1E49	ā 1E59	ā 1E69	ā 1E79	ā 1E89	ā 1E99	ā 1EA9	ā 1EB9	ā 1EC9	ā 1ED9	ā 1EE9	ā 1EF9
A	Ā 1E0A	Ā 1E1A	Ā 1E2A	Ā 1E3A	Ā 1E4A	Ā 1E5A	Ā 1E6A	Ā 1E7A	Ā 1E8A	Ā 1E9A	Ā 1EA0	Ā 1EBA	Ā 1ECA	Ā 1EDA	Ā 1EEA	Ā 1EFA
B	ā 1E0B	ā 1E1B	ā 1E2B	ā 1E3B	ā 1E4B	ā 1E5B	ā 1E6B	ā 1E7B	ā 1E8B	ā 1E9B	ā 1EAB	ā 1EBB	ā 1ECB	ā 1EDB	ā 1EEB	ā 1EFB
C	Ā 1E0C	Ā 1E1C	Ā 1E2C	Ā 1E3C	Ā 1E4C	Ā 1E5C	Ā 1E6C	Ā 1E7C	Ā 1E8C	Ā 1E9C	Ā 1EAC	Ā 1EBC	Ā 1ECC	Ā 1EDC	Ā 1EEC	Ā 1EFC
D	ā 1E0D	ā 1E1D	ā 1E2D	ā 1E3D	ā 1E4D	ā 1E5D	ā 1E6D	ā 1E7D	ā 1E8D	ā 1E9D	ā 1EAD	ā 1EBD	ā 1ECD	ā 1EDD	ā 1EED	ā 1EFD
E	Ā 1E0E	Ā 1E1E	Ā 1E2E	Ā 1E3E	Ā 1E4E	Ā 1E5E	Ā 1E6E	Ā 1E7E	Ā 1E8E	Ā 1E9E	Ā 1EAE	Ā 1EBE	Ā 1ECE	Ā 1EDE	Ā 1EEE	Ā 1EFE
F	ā 1E0F	ā 1E1F	ā 1E2F	ā 1E3F	ā 1E4F	ā 1E5F	ā 1E6F	ā 1E7F	ā 1E8F	ā 1E9F	ā 1EAF	ā 1EBF	ā 1ECF	ā 1EDF	ā 1EEF	ā 1EFF

In this block the names "WITH LINE BELOW" refer to a macron below the letter.

Latin general use extensions

1E00	À	LATIN CAPITAL LETTER A WITH RING BELOW ≡ 0041 A 0325 ◌	1E18	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX BELOW ≡ 0045 Ě 032D ◌
1E01	á	LATIN SMALL LETTER A WITH RING BELOW ≡ 0061 a 0325 ◌	1E19	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX BELOW ≡ 0065 e 032D ◌
1E02	Ā	LATIN CAPITAL LETTER B WITH DOT ABOVE ≡ 0042 B 0307 ◌	1E1A	Ě	LATIN CAPITAL LETTER E WITH TILDE BELOW ≡ 0045 Ě 0330 ◌
1E03	ḃ	LATIN SMALL LETTER B WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0062 b 0307 ◌	1E1B	ē	LATIN SMALL LETTER E WITH TILDE BELOW ≡ 0065 e 0330 ◌
1E04	Ḃ	LATIN CAPITAL LETTER B WITH DOT BELOW ≡ 0042 B 0323 ◌	1E1C	Ě̃	LATIN CAPITAL LETTER E WITH CEDILLA AND BREVE ≡ 0228 Ě̃ 0306 ◌
1E05	ḅ	LATIN SMALL LETTER B WITH DOT BELOW ≡ 0062 b 0323 ◌	1E1D	Ě̇	LATIN SMALL LETTER E WITH CEDILLA AND BREVE • Hebrew transliteration ≡ 0229 Ě̇ 0306 ◌
1E06	Ā	LATIN CAPITAL LETTER B WITH LINE BELOW ≡ 0042 B 0331 ◌	1E1E	Ā	LATIN CAPITAL LETTER F WITH DOT ABOVE ≡ 0046 F 0307 ◌
1E07	ḇ	LATIN SMALL LETTER B WITH LINE BELOW ≡ 0062 b 0331 ◌	1E1F	ḇ	LATIN SMALL LETTER F WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0066 f 0307 ◌
1E08	Ç	LATIN CAPITAL LETTER C WITH CEDILLA AND ACUTE ≡ 00C7 Ç 0301 ◌	1E20	Ĝ	LATIN CAPITAL LETTER G WITH MACRON ≡ 0047 G 0304 ◌
1E09	ç	LATIN SMALL LETTER C WITH CEDILLA AND ACUTE ≡ 00E7 ç 0301 ◌	1E21	ĝ	LATIN SMALL LETTER G WITH MACRON ≡ 0067 g 0304 ◌
1E0A	Ď	LATIN CAPITAL LETTER D WITH DOT ABOVE ≡ 0044 D 0307 ◌	1E22	Ĥ	LATIN CAPITAL LETTER H WITH DOT ABOVE ≡ 0048 H 0307 ◌
1E0B	ḏ	LATIN SMALL LETTER D WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0064 d 0307 ◌	1E23	ĥ	LATIN SMALL LETTER H WITH DOT ABOVE ≡ 0068 h 0307 ◌
1E0C	Ḍ	LATIN CAPITAL LETTER D WITH DOT BELOW ≡ 0044 D 0323 ◌	1E24	Ĥ	LATIN CAPITAL LETTER H WITH DOT BELOW ≡ 0048 H 0323 ◌
1E0D	ḍ	LATIN SMALL LETTER D WITH DOT BELOW • Indic transliteration ≡ 0064 d 0323 ◌	1E25	ḥ	LATIN SMALL LETTER H WITH DOT BELOW • Indic transliteration ≡ 0068 h 0323 ◌
1E0E	Ḑ	LATIN CAPITAL LETTER D WITH LINE BELOW ≡ 0044 D 0331 ◌	1E26	Ĥ̈	LATIN CAPITAL LETTER H WITH DIAERESIS ≡ 0048 H 0308 ◌
1E0F	ḑ	LATIN SMALL LETTER D WITH LINE BELOW ≡ 0064 d 0331 ◌	1E27	ĥ̈	LATIN SMALL LETTER H WITH DIAERESIS ≡ 0068 h 0308 ◌
1E10	Ḑ	LATIN CAPITAL LETTER D WITH CEDILLA ≡ 0044 D 0327 ◌	1E28	Ĥ̃	LATIN CAPITAL LETTER H WITH CEDILLA ≡ 0048 H 0327 ◌
1E11	ḑ	LATIN SMALL LETTER D WITH CEDILLA • Livonian ≡ 0064 d 0327 ◌	1E29	ḥ̃	LATIN SMALL LETTER H WITH CEDILLA ≡ 0068 h 0327 ◌
1E12	Ḑ̂	LATIN CAPITAL LETTER D WITH CIRCUMFLEX BELOW ≡ 0044 D 032D ◌	1E2A	Ĥ̆	LATIN CAPITAL LETTER H WITH BREVE BELOW ≡ 0048 H 032E ◌
1E13	ḑ̂	LATIN SMALL LETTER D WITH CIRCUMFLEX BELOW ≡ 0064 d 032D ◌	1E2B	ḥ̆	LATIN SMALL LETTER H WITH BREVE BELOW • Semitic transliteration ≡ 0068 h 032E ◌
1E14	Ě̄	LATIN CAPITAL LETTER E WITH MACRON AND GRAVE ≡ 0112 Ě̄ 0300 ◌	1E2C	İ	LATIN CAPITAL LETTER I WITH TILDE BELOW ≡ 0049 I 0330 ◌
1E15	è	LATIN SMALL LETTER E WITH MACRON AND GRAVE ≡ 0113 è 0300 ◌	1E2D	ı	LATIN SMALL LETTER I WITH TILDE BELOW ≡ 0069 i 0330 ◌
1E16	Ě̇	LATIN CAPITAL LETTER E WITH MACRON AND ACUTE ≡ 0112 Ě̇ 0301 ◌	1E2E	İ̇	LATIN CAPITAL LETTER I WITH DIAERESIS AND ACUTE ≡ 00CF İ̇ 0301 ◌
1E17	é	LATIN SMALL LETTER E WITH MACRON AND ACUTE ≡ 0113 é 0301 ◌	1E2F	ı̇	LATIN SMALL LETTER I WITH DIAERESIS AND ACUTE ≡ 00EF ı̇ 0301 ◌
			1E30	Ķ	LATIN CAPITAL LETTER K WITH ACUTE ≡ 004B K 0301 ◌
			1E31	ķ	LATIN SMALL LETTER K WITH ACUTE • Macedonian transliteration ≡ 006B k 0301 ◌

1E32	Ƙ	LATIN CAPITAL LETTER K WITH DOT BELOW ≡ 004B Ƙ 0323 ◌	1E4A	Ɲ	LATIN CAPITAL LETTER N WITH CIRCUMFLEX BELOW ≡ 004E Ɲ 032D ◌
1E33	ƙ	LATIN SMALL LETTER K WITH DOT BELOW ≡ 006B ƙ 0323 ◌	1E4B	ɲ	LATIN SMALL LETTER N WITH CIRCUMFLEX BELOW ≡ 006E ɲ 032D ◌
1E34	Ƙ̅	LATIN CAPITAL LETTER K WITH LINE BELOW ≡ 004B Ƙ 0331 ◌	1E4C	Ó	LATIN CAPITAL LETTER O WITH TILDE AND ACUTE ≡ 00D5 Ó 0301 ◌
1E35	ƙ̅	LATIN SMALL LETTER K WITH LINE BELOW ≡ 006B ƙ 0331 ◌	1E4D	ó	LATIN SMALL LETTER O WITH TILDE AND ACUTE ≡ 00F5 ó 0301 ◌
1E36	Ƙ̇	LATIN CAPITAL LETTER L WITH DOT BELOW ≡ 004C Ƙ̇ 0323 ◌	1E4E	Ö	LATIN CAPITAL LETTER O WITH TILDE AND DIAERESIS ≡ 00D5 Ö 0308 ◌
1E37	ƙ̇	LATIN SMALL LETTER L WITH DOT BELOW • Indic transliteration ≡ 006C ƙ̇ 0323 ◌ • see ISO 15919 on the use of dot below versus ring below in Indic transliteration → 0325 ◌ combining ring below	1E4F	ö	LATIN SMALL LETTER O WITH TILDE AND DIAERESIS ≡ 00F5 ö 0308 ◌
1E38	Ƙ̈	LATIN CAPITAL LETTER L WITH DOT BELOW AND MACRON ≡ 1E36 Ƙ̈ 0304 ◌	1E50	Ò	LATIN CAPITAL LETTER O WITH MACRON AND GRAVE ≡ 014C Ò 0300 ◌
1E39	ƙ̈	LATIN SMALL LETTER L WITH DOT BELOW AND MACRON • Indic transliteration ≡ 1E37 ƙ̈ 0304 ◌	1E51	ò	LATIN SMALL LETTER O WITH MACRON AND GRAVE ≡ 014D ò 0300 ◌
1E3A	Ƙ̅̄	LATIN CAPITAL LETTER L WITH LINE BELOW ≡ 004C Ƙ̅̄ 0331 ◌	1E52	Ó̇	LATIN CAPITAL LETTER O WITH MACRON AND ACUTE ≡ 014C Ó̇ 0301 ◌
1E3B	ƙ̅̄	LATIN SMALL LETTER L WITH LINE BELOW • Indic transliteration ≡ 006C ƙ̅̄ 0331 ◌	1E53	ó̇	LATIN SMALL LETTER O WITH MACRON AND ACUTE ≡ 014D ó̇ 0301 ◌
1E3C	Ƙ̆	LATIN CAPITAL LETTER L WITH CIRCUMFLEX BELOW ≡ 004C Ƙ̆ 032D ◌	1E54	Ɔ	LATIN CAPITAL LETTER P WITH ACUTE ≡ 0050 Ɔ 0301 ◌
1E3D	ƙ̆	LATIN SMALL LETTER L WITH CIRCUMFLEX BELOW ≡ 006C ƙ̆ 032D ◌	1E55	Ʒ	LATIN SMALL LETTER P WITH ACUTE ≡ 0070 Ʒ 0301 ◌
1E3E	Ɔ	LATIN CAPITAL LETTER M WITH ACUTE ≡ 004D Ɔ 0301 ◌	1E56	Ɔ̇	LATIN CAPITAL LETTER P WITH DOT ABOVE ≡ 0050 Ɔ̇ 0307 ◌
1E3F	Ʒ	LATIN SMALL LETTER M WITH ACUTE ≡ 006D Ʒ 0301 ◌	1E57	Ʒ̇	LATIN SMALL LETTER P WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0070 Ʒ̇ 0307 ◌
1E40	Ɔ̇	LATIN CAPITAL LETTER M WITH DOT ABOVE ≡ 004D Ɔ̇ 0307 ◌	1E58	Ɔ̈	LATIN CAPITAL LETTER R WITH DOT ABOVE ≡ 0052 Ɔ̈ 0307 ◌
1E41	Ʒ̇	LATIN SMALL LETTER M WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 006D Ʒ̇ 0307 ◌	1E59	Ʒ̈	LATIN SMALL LETTER R WITH DOT ABOVE ≡ 0072 Ʒ̈ 0307 ◌
1E42	Ɔ̈	LATIN CAPITAL LETTER M WITH DOT BELOW ≡ 004D Ɔ̈ 0323 ◌	1E5A	Ɔ̇̄	LATIN CAPITAL LETTER R WITH DOT BELOW ≡ 0052 Ɔ̇̄ 0323 ◌
1E43	Ʒ̈	LATIN SMALL LETTER M WITH DOT BELOW • Indic transliteration ≡ 006D Ʒ̈ 0323 ◌	1E5B	Ʒ̇̄	LATIN SMALL LETTER R WITH DOT BELOW • Indic transliteration ≡ 0072 Ʒ̇̄ 0323 ◌ • see ISO 15919 on the use of dot below versus ring below in Indic transliteration → 0325 ◌ combining ring below
1E44	Ɔ̆	LATIN CAPITAL LETTER N WITH DOT ABOVE ≡ 004E Ɔ̆ 0307 ◌	1E5C	Ɔ̈̄	LATIN CAPITAL LETTER R WITH DOT BELOW AND MACRON ≡ 1E5A Ɔ̈̄ 0304 ◌
1E45	Ʒ̆	LATIN SMALL LETTER N WITH DOT ABOVE • Indic transliteration ≡ 006E Ʒ̆ 0307 ◌	1E5D	Ʒ̇̄̄	LATIN SMALL LETTER R WITH DOT BELOW AND MACRON • Indic transliteration ≡ 1E5B Ʒ̇̄̄ 0304 ◌
1E46	Ɔ̆̄	LATIN CAPITAL LETTER N WITH DOT BELOW ≡ 004E Ɔ̆̄ 0323 ◌	1E5E	Ɔ̅	LATIN CAPITAL LETTER R WITH LINE BELOW ≡ 0052 Ɔ̅ 0331 ◌
1E47	Ʒ̆̄	LATIN SMALL LETTER N WITH DOT BELOW • Indic transliteration ≡ 006E Ʒ̆̄ 0323 ◌	1E5F	Ʒ̅	LATIN SMALL LETTER R WITH LINE BELOW • Indic transliteration ≡ 0072 Ʒ̅ 0331 ◌
1E48	Ɔ̅̄	LATIN CAPITAL LETTER N WITH LINE BELOW ≡ 004E Ɔ̅̄ 0331 ◌			
1E49	Ʒ̅̄	LATIN SMALL LETTER N WITH LINE BELOW • Indic transliteration ≡ 006E Ʒ̅̄ 0331 ◌			

1E60	Š	LATIN CAPITAL LETTER S WITH DOT ABOVE ≡ 0053 S 0307 ◌̇	1E77	ŭ	LATIN SMALL LETTER U WITH CIRCUMFLEX BELOW ≡ 0075 u 032D ◌̘
1E61	ś	LATIN SMALL LETTER S WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0073 s 0307 ◌̇	1E78	Ū	LATIN CAPITAL LETTER U WITH TILDE AND ACUTE ≡ 0168 Ū 0301 ◌̃◌́
1E62	Ṣ	LATIN CAPITAL LETTER S WITH DOT BELOW ≡ 0053 S 0323 ◌̣	1E79	ú	LATIN SMALL LETTER U WITH TILDE AND ACUTE ≡ 0169 ŭ 0301 ◌̃◌́
1E63	ṣ	LATIN SMALL LETTER S WITH DOT BELOW • Indic transliteration ≡ 0073 s 0323 ◌̣	1E7A	Ů	LATIN CAPITAL LETTER U WITH MACRON AND DIAERESIS ≡ 016A Ů 0308 ◌̄◌̈
1E64	Ṧ	LATIN CAPITAL LETTER S WITH ACUTE AND DOT ABOVE ≡ 015A Ṧ 0307 ◌̇◌́	1E7B	ů	LATIN SMALL LETTER U WITH MACRON AND DIAERESIS ≡ 016B ů 0308 ◌̄◌̈
1E65	ṥ	LATIN SMALL LETTER S WITH ACUTE AND DOT ABOVE ≡ 015B ṥ 0307 ◌̇◌́	1E7C	Ŵ	LATIN CAPITAL LETTER V WITH TILDE ≡ 0056 V 0303 ◌̃
1E66	Š̈	LATIN CAPITAL LETTER S WITH CARON AND DOT ABOVE ≡ 0160 Š̈ 0307 ◌̈◌́	1E7D	ŵ	LATIN SMALL LETTER V WITH TILDE ≡ 0076 v 0303 ◌̃
1E67	š̈	LATIN SMALL LETTER S WITH CARON AND DOT ABOVE ≡ 0161 š̈ 0307 ◌̈◌́	1E7E	Ṳ	LATIN CAPITAL LETTER V WITH DOT BELOW ≡ 0056 V 0323 ◌̣
1E68	Ṩ	LATIN CAPITAL LETTER S WITH DOT BELOW AND DOT ABOVE ≡ 1E62 Ṩ 0307 ◌̣◌̇	1E7F	ṳ	LATIN SMALL LETTER V WITH DOT BELOW ≡ 0076 v 0323 ◌̣
1E69	ṩ	LATIN SMALL LETTER S WITH DOT BELOW AND DOT ABOVE ≡ 1E63 ṩ 0307 ◌̣◌̇	1E80	Ẁ	LATIN CAPITAL LETTER W WITH GRAVE ≡ 0057 W 0300 ◌̀
1E6A	Ṭ	LATIN CAPITAL LETTER T WITH DOT ABOVE ≡ 0054 T 0307 ◌̇	1E81	ẁ	LATIN SMALL LETTER W WITH GRAVE • Welsh ≡ 0077 w 0300 ◌̀
1E6B	ṭ	LATIN SMALL LETTER T WITH DOT ABOVE • Irish Gaelic (old orthography) ≡ 0074 t 0307 ◌̇	1E82	Ẃ	LATIN CAPITAL LETTER W WITH ACUTE ≡ 0057 W 0301 ◌́
1E6C	Ṯ	LATIN CAPITAL LETTER T WITH DOT BELOW ≡ 0054 T 0323 ◌̣	1E83	ẃ	LATIN SMALL LETTER W WITH ACUTE • Welsh ≡ 0077 w 0301 ◌́
1E6D	ṯ	LATIN SMALL LETTER T WITH DOT BELOW • Indic transliteration ≡ 0074 t 0323 ◌̣	1E84	Ẅ	LATIN CAPITAL LETTER W WITH DIAERESIS ≡ 0057 W 0308 ◌̈
1E6E	Ṫ	LATIN CAPITAL LETTER T WITH LINE BELOW ≡ 0054 T 0331 ◌̥	1E85	ẅ	LATIN SMALL LETTER W WITH DIAERESIS • Welsh ≡ 0077 w 0308 ◌̈
1E6F	ṽ	LATIN SMALL LETTER T WITH LINE BELOW • Semitic transliteration ≡ 0074 t 0331 ◌̥	1E86	Ẇ	LATIN CAPITAL LETTER W WITH DOT ABOVE ≡ 0057 W 0307 ◌̇
1E70	Ṭ̘	LATIN CAPITAL LETTER T WITH CIRCUMFLEX BELOW ≡ 0054 T 032D ◌̘	1E87	ẇ	LATIN SMALL LETTER W WITH DOT ABOVE ≡ 0077 w 0307 ◌̇
1E71	ṭ̘	LATIN SMALL LETTER T WITH CIRCUMFLEX BELOW ≡ 0074 t 032D ◌̘	1E88	Ẉ	LATIN CAPITAL LETTER W WITH DOT BELOW ≡ 0057 W 0323 ◌̣
1E72	Û	LATIN CAPITAL LETTER U WITH DIAERESIS BELOW ≡ 0055 U 0324 ◌̣◌̈	1E89	ẉ	LATIN SMALL LETTER W WITH DOT BELOW ≡ 0077 w 0323 ◌̣
1E73	ŭ	LATIN SMALL LETTER U WITH DIAERESIS BELOW ≡ 0075 u 0324 ◌̣◌̈	1E8A	Ẋ	LATIN CAPITAL LETTER X WITH DOT ABOVE ≡ 0058 X 0307 ◌̇
1E74	Ū	LATIN CAPITAL LETTER U WITH TILDE BELOW ≡ 0055 U 0330 ◌̣◌̃	1E8B	ẋ	LATIN SMALL LETTER X WITH DOT ABOVE ≡ 0078 x 0307 ◌̇
1E75	ů	LATIN SMALL LETTER U WITH TILDE BELOW ≡ 0075 u 0330 ◌̣◌̃	1E8C	Ẍ	LATIN CAPITAL LETTER X WITH DIAERESIS ≡ 0058 X 0308 ◌̈
1E76	Ů	LATIN CAPITAL LETTER U WITH CIRCUMFLEX BELOW ≡ 0055 U 032D ◌̘	1E8D	ẍ	LATIN SMALL LETTER X WITH DIAERESIS ≡ 0078 x 0308 ◌̈
			1E8E	Ỳ	LATIN CAPITAL LETTER Y WITH DOT ABOVE ≡ 0059 Y 0307 ◌́
			1E8F	ỳ	LATIN SMALL LETTER Y WITH DOT ABOVE ≡ 0079 y 0307 ◌́
			1E90	Ẑ	LATIN CAPITAL LETTER Z WITH CIRCUMFLEX ≡ 005A Z 0302 ◌̆
			1E91	ẑ	LATIN SMALL LETTER Z WITH CIRCUMFLEX ≡ 007A z 0302 ◌̆

1E92	Ż	LATIN CAPITAL LETTER Z WITH DOT BELOW ≡ 005A Ż 0323 ◌	1EA7	ã	LATIN SMALL LETTER A WITH CIRCUMFLEX AND GRAVE ≡ 00E2 â 0300 ◌
1E93	ż	LATIN SMALL LETTER Z WITH DOT BELOW • Semitic transliteration → 0638 ﺯ arabic letter zah ≡ 007A ż 0323 ◌	1EA8	Ă	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00C2 Â 0309 ◌
1E94	Z̄	LATIN CAPITAL LETTER Z WITH LINE BELOW ≡ 005A Z̄ 0331 ◌	1EA9	ă	LATIN SMALL LETTER A WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00E2 â 0309 ◌
1E95	z̄	LATIN SMALL LETTER Z WITH LINE BELOW • Semitic transliteration ≡ 007A z̄ 0331 ◌	1EAA	Ã	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND TILDE ≡ 00C2 Â 0303 ◌
1E96	ħ	LATIN SMALL LETTER H WITH LINE BELOW • Semitic transliteration ≡ 0068 ħ 0331 ◌	1EAB	ã	LATIN SMALL LETTER A WITH CIRCUMFLEX AND TILDE ≡ 00E2 â 0303 ◌
1E97	ï	LATIN SMALL LETTER T WITH DIAERESIS ≡ 0074 t̄ 0308 ◌	1EAC	Â	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND DOT BELOW ≡ 1EA0 Ä 0302 ◌
1E98	ŵ	LATIN SMALL LETTER W WITH RING ABOVE ≡ 0077 w̄ 030A ◌	1EAD	â	LATIN SMALL LETTER A WITH CIRCUMFLEX AND DOT BELOW ≡ 1EA1 ä 0302 ◌
1E99	ÿ	LATIN SMALL LETTER Y WITH RING ABOVE ≡ 0079 ȳ 030A ◌	1EAE	Ǻ	LATIN CAPITAL LETTER A WITH BREVE AND ACUTE ≡ 0102 Ǻ 0301 ◌
1E9A	á	LATIN SMALL LETTER A WITH RIGHT HALF RING ≈ 0061 ȧ 02BE ◌	1EAF	ǻ	LATIN SMALL LETTER A WITH BREVE AND ACUTE ≡ 0103 ǻ 0301 ◌
1E9B	í	LATIN SMALL LETTER LONG S WITH DOT ABOVE • in current use in Gaelic types (as glyph variant of 1E61 ś) ≡ 017F ḟ 0307 ◌	1EB0	Ǽ	LATIN CAPITAL LETTER A WITH BREVE AND GRAVE ≡ 0102 Ǽ 0300 ◌
Medievalist additions			1EB1	ǽ	LATIN SMALL LETTER A WITH BREVE AND GRAVE ≡ 0103 ǽ 0300 ◌
1E9C	ƒ	LATIN SMALL LETTER LONG S WITH DIAGONAL STROKE • medievalist use for several abbreviations • used in pre-1921 Latvian orthography • used in Blackletter types of pre-1950 Lower Sorbian orthography → A7A9 s̄ latin small letter s with oblique stroke	1EB2	Ǽ	LATIN CAPITAL LETTER A WITH BREVE AND HOOK ABOVE ≡ 0102 Ǽ 0309 ◌
1E9D	ƒ̄	LATIN SMALL LETTER LONG S WITH HIGH STROKE	1EB3	ǽ	LATIN SMALL LETTER A WITH BREVE AND HOOK ABOVE ≡ 0103 ǽ 0309 ◌
Addition for German typography			1EB4	Ǽ	LATIN CAPITAL LETTER A WITH BREVE AND TILDE ≡ 0102 Ǽ 0303 ◌
1E9E	ß	LATIN CAPITAL LETTER SHARP S • lowercase is 00DF ß → 00DF ß latin small letter sharp s	1EB5	ǽ	LATIN SMALL LETTER A WITH BREVE AND TILDE ≡ 0103 ǽ 0303 ◌
Medievalist addition			1EB6	Ǽ	LATIN CAPITAL LETTER A WITH BREVE AND DOT BELOW ≡ 1EA0 Ä 0306 ◌
1E9F	δ	LATIN SMALL LETTER DELTA	1EB7	ǽ	LATIN SMALL LETTER A WITH BREVE AND DOT BELOW ≡ 1EA1 ä 0306 ◌
Latin extensions for Vietnamese			1EB8	Ẻ	LATIN CAPITAL LETTER E WITH DOT BELOW ≡ 0045 Ė 0323 ◌
1EA0	Ạ	LATIN CAPITAL LETTER A WITH DOT BELOW ≡ 0041 Ȧ 0323 ◌	1EB9	ẻ	LATIN SMALL LETTER E WITH DOT BELOW ≡ 0065 ė 0323 ◌
1EA1	ạ	LATIN SMALL LETTER A WITH DOT BELOW ≡ 0061 ȧ 0323 ◌	1EBA	Ẻ	LATIN CAPITAL LETTER E WITH HOOK ABOVE ≡ 0045 Ĕ 0309 ◌
1EA2	Ả	LATIN CAPITAL LETTER A WITH HOOK ABOVE ≡ 0041 Ă 0309 ◌	1EBB	ẻ	LATIN SMALL LETTER E WITH HOOK ABOVE ≡ 0065 ĕ 0309 ◌
1EA3	ả	LATIN SMALL LETTER A WITH HOOK ABOVE ≡ 0061 ă 0309 ◌	1EBC	Ẽ	LATIN CAPITAL LETTER E WITH TILDE ≡ 0045 Ẽ 0303 ◌
1EA4	Ǻ	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND ACUTE ≡ 00C2 Â 0301 ◌	1EBD	ẽ	LATIN SMALL LETTER E WITH TILDE ≡ 0065 ẽ 0303 ◌
1EA5	ǻ	LATIN SMALL LETTER A WITH CIRCUMFLEX AND ACUTE ≡ 00E2 â 0301 ◌			
1EA6	Ǽ	LATIN CAPITAL LETTER A WITH CIRCUMFLEX AND GRAVE ≡ 00C2 Â 0300 ◌			

1EBE	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND ACUTE ≡ 00CA Ě 0301 6	1ED6	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND TILDE ≡ 00D4 Ŏ 0303 6
1EBF	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX AND ACUTE ≡ 00EA ê 0301 6	1ED7	õ	LATIN SMALL LETTER O WITH CIRCUMFLEX AND TILDE ≡ 00F4 ô 0303 6
1EC0	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND GRAVE ≡ 00CA Ě 0300 6	1ED8	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND DOT BELOW ≡ 1ECC Ŏ 0302 6
1EC1	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX AND GRAVE ≡ 00EA ê 0300 6	1ED9	õ	LATIN SMALL LETTER O WITH CIRCUMFLEX AND DOT BELOW ≡ 1ECD õ 0302 6
1EC2	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00CA Ě 0309 6	1EDA	Ŏ	LATIN CAPITAL LETTER O WITH HORN AND ACUTE ≡ 01A0 Ŏ 0301 6
1EC3	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00EA ê 0309 6	1EDB	ó	LATIN SMALL LETTER O WITH HORN AND ACUTE ≡ 01A1 ó 0301 6
1EC4	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND TILDE ≡ 00CA Ě 0303 6	1EDC	Ŏ	LATIN CAPITAL LETTER O WITH HORN AND GRAVE ≡ 01A0 Ŏ 0300 6
1EC5	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX AND TILDE ≡ 00EA ê 0303 6	1EDD	ò	LATIN SMALL LETTER O WITH HORN AND GRAVE ≡ 01A1 ó 0300 6
1EC6	Ě	LATIN CAPITAL LETTER E WITH CIRCUMFLEX AND DOT BELOW ≡ 1EB8 Ě 0302 6	1EDE	Ŏ	LATIN CAPITAL LETTER O WITH HORN AND HOOK ABOVE ≡ 01A0 Ŏ 0309 6
1EC7	ě	LATIN SMALL LETTER E WITH CIRCUMFLEX AND DOT BELOW ≡ 1EB9 ě 0302 6	1EDF	ó	LATIN SMALL LETTER O WITH HORN AND HOOK ABOVE ≡ 01A1 ó 0309 6
1EC8	Ī	LATIN CAPITAL LETTER I WITH HOOK ABOVE ≡ 0049 Ī 0309 6	1EE0	Ŏ	LATIN CAPITAL LETTER O WITH HORN AND TILDE ≡ 01A0 Ŏ 0303 6
1EC9	ī	LATIN SMALL LETTER I WITH HOOK ABOVE ≡ 0069 i 0309 6	1EE1	õ	LATIN SMALL LETTER O WITH HORN AND TILDE ≡ 01A1 ó 0303 6
1ECA	İ	LATIN CAPITAL LETTER I WITH DOT BELOW ≡ 0049 İ 0323 6	1EE2	Ŏ	LATIN CAPITAL LETTER O WITH HORN AND DOT BELOW ≡ 01A0 Ŏ 0323 6
1ECB	ı	LATIN SMALL LETTER I WITH DOT BELOW ≡ 0069 i 0323 6	1EE3	ó	LATIN SMALL LETTER O WITH HORN AND DOT BELOW ≡ 01A1 ó 0323 6
1ECC	Ŏ	LATIN CAPITAL LETTER O WITH DOT BELOW ≡ 004F Ŏ 0323 6	1EE4	Ū	LATIN CAPITAL LETTER U WITH DOT BELOW ≡ 0055 Ū 0323 6
1ECD	o	LATIN SMALL LETTER O WITH DOT BELOW ≡ 006F o 0323 6	1EE5	u	LATIN SMALL LETTER U WITH DOT BELOW ≡ 0075 u 0323 6
1ECE	Ŏ	LATIN CAPITAL LETTER O WITH HOOK ABOVE ≡ 004F Ŏ 0309 6	1EE6	Ū	LATIN CAPITAL LETTER U WITH HOOK ABOVE ≡ 0055 Ū 0309 6
1ECF	ó	LATIN SMALL LETTER O WITH HOOK ABOVE ≡ 006F o 0309 6	1EE7	ù	LATIN SMALL LETTER U WITH HOOK ABOVE ≡ 0075 u 0309 6
1ED0	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND ACUTE ≡ 00D4 Ŏ 0301 6	1EE8	Ū	LATIN CAPITAL LETTER U WITH HORN AND ACUTE ≡ 01AF Ū 0301 6
1ED1	ó	LATIN SMALL LETTER O WITH CIRCUMFLEX AND ACUTE ≡ 00F4 ô 0301 6	1EE9	ú	LATIN SMALL LETTER U WITH HORN AND ACUTE ≡ 01B0 ú 0301 6
1ED2	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND GRAVE ≡ 00D4 Ŏ 0300 6	1EEA	Ū	LATIN CAPITAL LETTER U WITH HORN AND GRAVE ≡ 01AF Ū 0300 6
1ED3	õ	LATIN SMALL LETTER O WITH CIRCUMFLEX AND GRAVE ≡ 00F4 ô 0300 6	1EEB	ù	LATIN SMALL LETTER U WITH HORN AND GRAVE ≡ 01B0 ú 0300 6
1ED4	Ŏ	LATIN CAPITAL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00D4 Ŏ 0309 6	1EEC	Ū	LATIN CAPITAL LETTER U WITH HORN AND HOOK ABOVE ≡ 01AF Ū 0309 6
1ED5	ó	LATIN SMALL LETTER O WITH CIRCUMFLEX AND HOOK ABOVE ≡ 00F4 ô 0309 6			

- 1EED ũ LATIN SMALL LETTER U WITH HORN AND HOOK ABOVE
≡ 01B0 ũ 0309 ǒ
- 1EEE Ũ LATIN CAPITAL LETTER U WITH HORN AND TILDE
≡ 01AF Ũ 0303 Ǿ
- 1EEF ů LATIN SMALL LETTER U WITH HORN AND TILDE
≡ 01B0 ů 0303 ǿ
- 1EF0 Ū LATIN CAPITAL LETTER U WITH HORN AND DOT BELOW
≡ 01AF Ū 0323 Ɔ
- 1EF1 ū LATIN SMALL LETTER U WITH HORN AND DOT BELOW
≡ 01B0 ū 0323 Ɔ

Latin general extensions





- 1EF2 Ÿ LATIN CAPITAL LETTER Y WITH GRAVE
≡ 0059 Ÿ 0300 ̀
- 1EF3 ÿ LATIN SMALL LETTER Y WITH GRAVE
• Welsh
≡ 0079 y 0300 ̀
- 1EF4 Ÿ LATIN CAPITAL LETTER Y WITH DOT BELOW
≡ 0059 Ÿ 0323 Ɔ
- 1EF5 y LATIN SMALL LETTER Y WITH DOT BELOW
≡ 0079 y 0323 Ɔ
- 1EF6 Ÿ LATIN CAPITAL LETTER Y WITH HOOK ABOVE
≡ 0059 Ÿ 0309 ǒ
- 1EF7 ÿ LATIN SMALL LETTER Y WITH HOOK ABOVE
≡ 0079 y 0309 ǒ
- 1EF8 Ÿ LATIN CAPITAL LETTER Y WITH TILDE
≡ 0059 Ÿ 0303 Ǿ
- 1EF9 ÿ LATIN SMALL LETTER Y WITH TILDE
≡ 0079 y 0303 ǿ

Medievalist additions

- 1EFA Æ LATIN CAPITAL LETTER MIDDLE-WELSH LL
- 1EFB æ LATIN SMALL LETTER MIDDLE-WELSH LL
- 1EFC Ƿ LATIN CAPITAL LETTER MIDDLE-WELSH V
- 1EFD Ƿ LATIN SMALL LETTER MIDDLE-WELSH V
- 1EFE Ƶ LATIN CAPITAL LETTER Y WITH LOOP
- 1EFF ƶ LATIN SMALL LETTER Y WITH LOOP

	1F0	1F1	1F2	1F3	1F4	1F5	1F6	1F7	1F8	1F9	1FA	1FB	1FC	1FD	1FE	1FF
0	Ά 1F00	Έ 1F10	Ή 1F20	Ί 1F30	Ό 1F40	ΰ 1F50	ώ 1F60	ὰ 1F70	ά 1F80	ή 1F90	ὠ 1FA0	ᾱ 1FB0	~ 1FC0	ϊ 1FD0	ϋ 1FE0	
1	Ά́ 1F01	Έ́ 1F11	Ή́ 1F21	Ί́ 1F31	Ό́ 1F41	ΰ́ 1F51	ώ́ 1F61	ὰ́ 1F71	ά́ 1F81	ή́ 1F91	ὤ 1FA1	ᾱ́ 1FB1	~́ 1FC1	ΐ 1FD1	ΰ 1FE1	
2	Ά̀ 1F02	Έ̀ 1F12	Ή̀ 1F22	Ί̀ 1F32	Ό̀ 1F42	ΰ̀ 1F52	ώ̀ 1F62	ἐ 1F72	ὰ̀ 1F82	ή̀ 1F92	ὢ 1FA2	ᾱ̀ 1FB2	ἥ 1FC2	ῒ 1FD2	ῢ 1FE2	ὢ 1FF2
3	Ά̂ 1F03	Έ̂ 1F13	Ή̂ 1F23	Ί̂ 1F33	Ό̂ 1F43	ΰ̂ 1F53	ώ̂ 1F63	έ 1F73	ὰ̂ 1F83	ή̂ 1F93	ὠ̂ 1FA3	ᾱ̂ 1FB3	ἦ 1FC3	ϊ̂ 1FD3	ϋ̂ 1FE3	ὠ̂ 1FF3
4	Ά̄ 1F04	Έ̄ 1F14	Ή̄ 1F24	Ί̄ 1F34	Ό̄ 1F44	ΰ̄ 1F54	ώ̄ 1F64	ἥ 1F74	ὰ̄ 1F84	ή̄ 1F94	ὠ̄ 1FA4	ᾱ̄ 1FB4	ἦ̄ 1FC4		ρ̄ 1FE4	ὠ̄ 1FF4
5	Ά̅ 1F05	Έ̅ 1F15	Ή̅ 1F25	Ί̅ 1F35	Ό̅ 1F45	ΰ̅ 1F55	ώ̅ 1F65	ἦ̅ 1F75	ὰ̅ 1F85	ή̅ 1F95	ὠ̅ 1FA5				ρ̅ 1FE5	
6	Ά̇ 1F06		Ή̇ 1F26	Ί̇ 1F36		ΰ̇ 1F56	ώ̇ 1F66	ι̇ 1F76	ὰ̇ 1F86	ή̇ 1F96	ὠ̇ 1FA6	ᾱ̇ 1FB6	ἦ̇ 1FC6	ϊ̇ 1FD6	ϋ̇ 1FE6	ὠ̇ 1FF6
7	Ά̈ 1F07		Ή̈ 1F27	Ί̈ 1F37		ΰ̈ 1F57	ώ̈ 1F67	ί̈ 1F77	ὰ̈ 1F87	ή̈ 1F97	ὠ̈ 1FA7	ᾱ̈ 1FB7	ἦ̈ 1FC7	ϊ̈ 1FD7	ϋ̈ 1FE7	ὠ̈ 1FF7
8	Ά̉ 1F08	Έ̉ 1F18	Ή̉ 1F28	Ί̉ 1F38	Ό̉ 1F48		ῶ 1F68	ὀ 1F78	Ά̉ 1F88	Ἡ̉ 1F98	ῶ̉ 1FA8	ᾶ̉ 1FB8	Έ̉ 1FC8	Ί̉ 1FD8	Υ̉ 1FE8	Ό̉ 1FF8
9	Ά̊ 1F09	Έ̊ 1F19	Ή̊ 1F29	Ί̊ 1F39	Ό̊ 1F49	Υ̊ 1F59	ῶ̊ 1F69	ὀ̊ 1F79	Ά̊ 1F89	Ἡ̊ 1F99	ῶ̊ 1FA9	ᾶ̊ 1FB9	Έ̊ 1FC9	Ί̊ 1FD9	Υ̊ 1FE9	Ό̊ 1FF9
A	Ά̋ 1F0A	Έ̋ 1F1A	Ή̋ 1F2A	Ί̋ 1F3A	Ό̋ 1F4A		ῶ̋ 1F6A	ὀ̋ 1F7A	Ά̋ 1F8A	Ἡ̋ 1F9A	ῶ̋ 1FAA	ᾶ̋ 1FBA	Έ̋ 1FCA	Ί̋ 1FDA	Υ̋ 1FEA	Ό̋ 1FFA
B	Ά̌ 1F0B	Έ̌ 1F1B	Ή̌ 1F2B	Ί̌ 1F3B	Ό̌ 1F4B	Υ̌ 1F5B	ῶ̌ 1F6B	ὀ̌ 1F7B	Ά̌ 1F8B	Ἡ̌ 1F9B	ῶ̌ 1FAB	ᾶ̌ 1FBB	Έ̌ 1FCB	Ί̌ 1FDB	Υ̌ 1FEB	Ό̌ 1FFB
C	Ά̍ 1F0C	Έ̍ 1F1C	Ή̍ 1F2C	Ί̍ 1F3C	Ό̍ 1F4C		ῶ̍ 1F6C	ὀ̍ 1F7C	Ά̍ 1F8C	Ἡ̍ 1F9C	ῶ̍ 1FAC	ᾶ̍ 1FBC	Ἡ̍ 1FCC		Ρ̍ 1FEC	ῶ̍ 1FFC
D	Ά̎ 1F0D	Έ̎ 1F1D	Ή̎ 1F2D	Ί̎ 1F3D	Ό̎ 1F4D	Υ̎ 1F5D	ῶ̎ 1F6D	ὀ̎ 1F7D	Ά̎ 1F8D	Ἡ̎ 1F9D	ῶ̎ 1FAD	ᾶ̎ 1FBD	ᾶ̎ 1FCD	ᾶ̎ 1FDD	ᾶ̎ 1FED	ᾶ̎ 1FFD
E	Ά̏ 1F0E		Ή̏ 1F2E	Ί̏ 1F3E			ῶ̏ 1F6E		Ά̏ 1F8E	Ἡ̏ 1F9E	ῶ̏ 1FAE		ᾶ̏ 1FCE	ᾶ̏ 1FDE	ᾶ̏ 1FEE	ᾶ̏ 1FFE
F	Ά̐ 1F0F		Ή̐ 1F2F	Ί̐ 1F3F		Υ̐ 1F5F	ῶ̐ 1F6F		Ά̐ 1F8F	Ἡ̐ 1F9F	ῶ̐ 1FAF		ᾶ̐ 1FCF	ᾶ̐ 1FDF		








Precomposed polytonic Greek

1F00	ἄ	GREEK SMALL LETTER ALPHA WITH PSILI ≡ 03B1 α 0313 ́	1F18	Ἐ	GREEK CAPITAL LETTER EPSILON WITH PSILI ≡ 0395 Ε 0313 ́
1F01	ἁ	GREEK SMALL LETTER ALPHA WITH DASIA ≡ 03B1 α 0314 ͂	1F19	Ἒ	GREEK CAPITAL LETTER EPSILON WITH DASIA ≡ 0395 Ε 0314 ͂
1F02	ἂ	GREEK SMALL LETTER ALPHA WITH PSILI AND VARIA ≡ 1F00 ἄ 0300 ̀	1F1A	Ἠ	GREEK CAPITAL LETTER EPSILON WITH PSILI AND VARIA ≡ 1F18 Ἐ 0300 ̀
1F03	ἃ	GREEK SMALL LETTER ALPHA WITH DASIA AND VARIA ≡ 1F01 ἁ 0300 ̀	1F1B	Ἢ	GREEK CAPITAL LETTER EPSILON WITH DASIA AND VARIA ≡ 1F19 Ἒ 0300 ̀
1F04	ἄ	GREEK SMALL LETTER ALPHA WITH PSILI AND OXIA ≡ 1F00 ἄ 0301 ̓	1F1C	Ἤ	GREEK CAPITAL LETTER EPSILON WITH PSILI AND OXIA ≡ 1F18 Ἐ 0301 ̓
1F05	ἅ	GREEK SMALL LETTER ALPHA WITH DASIA AND OXIA ≡ 1F01 ἁ 0301 ̓	1F1D	Ἦ	GREEK CAPITAL LETTER EPSILON WITH DASIA AND OXIA ≡ 1F19 Ἒ 0301 ̓
1F06	ἆ	GREEK SMALL LETTER ALPHA WITH PSILI AND PERISPOMENI ≡ 1F00 ἄ 0342 ̈́	1F1E		<reserved>
1F07	ἇ	GREEK SMALL LETTER ALPHA WITH DASIA AND PERISPOMENI ≡ 1F01 ἁ 0342 ̈́	1F1F		<reserved>
1F08	Ἀ	GREEK CAPITAL LETTER ALPHA WITH PSILI ≡ 0391 Α 0313 ́	1F20	ἥ	GREEK SMALL LETTER ETA WITH PSILI ≡ 03B7 η 0313 ́
1F09	Ἀ	GREEK CAPITAL LETTER ALPHA WITH DASIA ≡ 0391 Α 0314 ͂	1F21	ἦ	GREEK SMALL LETTER ETA WITH DASIA ≡ 03B7 η 0314 ͂
1F0A	Ἠ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND VARIA ≡ 1F08 Ἀ 0300 ̀	1F22	ἧ	GREEK SMALL LETTER ETA WITH PSILI AND VARIA ≡ 1F20 ἥ 0300 ̀
1F0B	Ἡ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND VARIA ≡ 1F09 Ἀ 0300 ̀	1F23	ἧ	GREEK SMALL LETTER ETA WITH DASIA AND VARIA ≡ 1F21 ἦ 0300 ̀
1F0C	Ἢ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND OXIA ≡ 1F08 Ἀ 0301 ̓	1F24	ἧ	GREEK SMALL LETTER ETA WITH PSILI AND OXIA ≡ 1F20 ἥ 0301 ̓
1F0D	Ἣ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND OXIA ≡ 1F09 Ἀ 0301 ̓	1F25	ἧ	GREEK SMALL LETTER ETA WITH DASIA AND OXIA ≡ 1F21 ἦ 0301 ̓
1F0E	Ἤ	GREEK CAPITAL LETTER ALPHA WITH PSILI AND PERISPOMENI ≡ 1F08 Ἀ 0342 ̈́	1F26	ἧ	GREEK SMALL LETTER ETA WITH PSILI AND PERISPOMENI ≡ 1F20 ἥ 0342 ̈́
1F0F	Ἥ	GREEK CAPITAL LETTER ALPHA WITH DASIA AND PERISPOMENI ≡ 1F09 Ἀ 0342 ̈́	1F27	ἧ	GREEK SMALL LETTER ETA WITH DASIA AND PERISPOMENI ≡ 1F21 ἦ 0342 ̈́
1F10	ἐ	GREEK SMALL LETTER EPSILON WITH PSILI ≡ 03B5 ε 0313 ́	1F28	Ἠ	GREEK CAPITAL LETTER ETA WITH PSILI ≡ 0397 Η 0313 ́
1F11	ἐ	GREEK SMALL LETTER EPSILON WITH DASIA ≡ 03B5 ε 0314 ͂	1F29	Ἡ	GREEK CAPITAL LETTER ETA WITH DASIA ≡ 0397 Η 0314 ͂
1F12	ἔ	GREEK SMALL LETTER EPSILON WITH PSILI AND VARIA ≡ 1F10 ἐ 0300 ̀	1F2A	Ἢ	GREEK CAPITAL LETTER ETA WITH PSILI AND VARIA ≡ 1F28 Ἠ 0300 ̀
1F13	ἕ	GREEK SMALL LETTER EPSILON WITH DASIA AND VARIA ≡ 1F11 ἐ 0300 ̀	1F2B	Ἤ	GREEK CAPITAL LETTER ETA WITH DASIA AND VARIA ≡ 1F29 Ἡ 0300 ̀
1F14	἖	GREEK SMALL LETTER EPSILON WITH PSILI AND OXIA ≡ 1F10 ἐ 0301 ̓	1F2C	Ἤ	GREEK CAPITAL LETTER ETA WITH PSILI AND OXIA ≡ 1F28 Ἠ 0301 ̓
1F15	἗	GREEK SMALL LETTER EPSILON WITH DASIA AND OXIA ≡ 1F11 ἐ 0301 ̓	1F2D	Ἤ	GREEK CAPITAL LETTER ETA WITH DASIA AND OXIA ≡ 1F29 Ἡ 0301 ̓
1F16		<reserved>	1F2E	Ἥ	GREEK CAPITAL LETTER ETA WITH PSILI AND PERISPOMENI ≡ 1F28 Ἠ 0342 ̈́
1F17		<reserved>	1F2F	Ἥ	GREEK CAPITAL LETTER ETA WITH DASIA AND PERISPOMENI ≡ 1F29 Ἡ 0342 ̈́
			1F30	ι	GREEK SMALL LETTER IOTA WITH PSILI ≡ 03B9 ι 0313 ́

1F31	ι	GREEK SMALL LETTER IOTA WITH DASIA ≡ 03B9 ι 0314 օ	1F4A	Ό	GREEK CAPITAL LETTER OMICRON WITH PSILI AND VARIA ≡ 1F48 Ό 0300 օ
1F32	ϊ	GREEK SMALL LETTER IOTA WITH PSILI AND VARIA ≡ 1F30 ι 0300 օ	1F4B	Ό	GREEK CAPITAL LETTER OMICRON WITH DASIA AND VARIA ≡ 1F49 Ό 0300 օ
1F33	ΐ	GREEK SMALL LETTER IOTA WITH DASIA AND VARIA ≡ 1F31 ι 0300 օ	1F4C	Ϊ	GREEK CAPITAL LETTER OMICRON WITH PSILI AND OXIA ≡ 1F48 Ό 0301 ֆ
1F34	ΐ	GREEK SMALL LETTER IOTA WITH PSILI AND OXIA ≡ 1F30 ι 0301 ֆ	1F4D	Ϊ	GREEK CAPITAL LETTER OMICRON WITH DASIA AND OXIA ≡ 1F49 Ό 0301 ֆ
1F35	ΐ	GREEK SMALL LETTER IOTA WITH DASIA AND OXIA ≡ 1F31 ι 0301 ֆ	1F4E	▨	<reserved>
1F36	ΐ	GREEK SMALL LETTER IOTA WITH PSILI AND PERISPOMENI ≡ 1F30 ι 0342 ֆ	1F4F	▨	<reserved>
1F37	ΐ	GREEK SMALL LETTER IOTA WITH DASIA AND PERISPOMENI ≡ 1F31 ι 0342 ֆ	1F50	Ϸ	GREEK SMALL LETTER UPSILON WITH PSILI ≡ 03C5 υ 0313 օ
1F38	Ι	GREEK CAPITAL LETTER IOTA WITH PSILI ≡ 0399 Ι 0313 օ	1F51	Ϸ	GREEK SMALL LETTER UPSILON WITH DASIA ≡ 03C5 υ 0314 օ
1F39	Ι	GREEK CAPITAL LETTER IOTA WITH DASIA ≡ 0399 Ι 0314 օ	1F52	ϸ	GREEK SMALL LETTER UPSILON WITH PSILI AND VARIA ≡ 1F50 Ϸ 0300 օ
1F3A	Ϊ	GREEK CAPITAL LETTER IOTA WITH PSILI AND VARIA ≡ 1F38 Ι 0300 օ	1F53	ϸ	GREEK SMALL LETTER UPSILON WITH DASIA AND VARIA ≡ 1F51 Ϸ 0300 օ
1F3B	Ϊ	GREEK CAPITAL LETTER IOTA WITH DASIA AND VARIA ≡ 1F39 Ι 0300 օ	1F54	ϸ	GREEK SMALL LETTER UPSILON WITH PSILI AND OXIA ≡ 1F50 Ϸ 0301 ֆ
1F3C	Ϊ	GREEK CAPITAL LETTER IOTA WITH PSILI AND OXIA ≡ 1F38 Ι 0301 ֆ	1F55	ϸ	GREEK SMALL LETTER UPSILON WITH DASIA AND OXIA ≡ 1F51 Ϸ 0301 ֆ
1F3D	Ϊ	GREEK CAPITAL LETTER IOTA WITH DASIA AND OXIA ≡ 1F39 Ι 0301 ֆ	1F56	ϸ	GREEK SMALL LETTER UPSILON WITH PSILI AND PERISPOMENI ≡ 1F50 Ϸ 0342 ֆ
1F3E	Ϊ	GREEK CAPITAL LETTER IOTA WITH PSILI AND PERISPOMENI ≡ 1F38 Ι 0342 ֆ	1F57	ϸ	GREEK SMALL LETTER UPSILON WITH DASIA AND PERISPOMENI ≡ 1F51 Ϸ 0342 ֆ
1F3F	Ϊ	GREEK CAPITAL LETTER IOTA WITH DASIA AND PERISPOMENI ≡ 1F39 Ι 0342 ֆ	1F58	▨	<reserved>
1F40	ο	GREEK SMALL LETTER OMICRON WITH PSILI ≡ 03BF ο 0313 օ	1F59	Υ	GREEK CAPITAL LETTER UPSILON WITH DASIA ≡ 03A5 Υ 0314 օ
1F41	ο	GREEK SMALL LETTER OMICRON WITH DASIA ≡ 03BF ο 0314 օ	1F5A	▨	<reserved>
1F42	ὀ	GREEK SMALL LETTER OMICRON WITH PSILI AND VARIA ≡ 1F40 ο 0300 օ	1F5B	Υ	GREEK CAPITAL LETTER UPSILON WITH DASIA AND VARIA ≡ 1F59 Υ 0300 օ
1F43	ὀ	GREEK SMALL LETTER OMICRON WITH DASIA AND VARIA ≡ 1F41 ο 0300 օ	1F5C	▨	<reserved>
1F44	ὀ	GREEK SMALL LETTER OMICRON WITH PSILI AND OXIA ≡ 1F40 ο 0301 ֆ	1F5D	Υ	GREEK CAPITAL LETTER UPSILON WITH DASIA AND OXIA ≡ 1F59 Υ 0301 ֆ
1F45	ὀ	GREEK SMALL LETTER OMICRON WITH DASIA AND OXIA ≡ 1F41 ο 0301 ֆ	1F5E	▨	<reserved>
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1F47	▨	<reserved>	1F60	ώ	GREEK SMALL LETTER OMEGA WITH PSILI ≡ 03C9 ω 0313 օ
1F48	Ο	GREEK CAPITAL LETTER OMICRON WITH PSILI ≡ 039F Ο 0313 օ	1F61	ώ	GREEK SMALL LETTER OMEGA WITH DASIA ≡ 03C9 ω 0314 օ
1F49	Ο	GREEK CAPITAL LETTER OMICRON WITH DASIA ≡ 039F Ο 0314 օ	1F62	ὦ	GREEK SMALL LETTER OMEGA WITH PSILI AND VARIA ≡ 1F60 ώ 0300 օ
			1F63	ὦ	GREEK SMALL LETTER OMEGA WITH DASIA AND VARIA ≡ 1F61 ώ 0300 օ
			1F64	ὦ	GREEK SMALL LETTER OMEGA WITH PSILI AND OXIA ≡ 1F60 ώ 0301 ֆ

1F65	ώ	GREEK SMALL LETTER OMEGA WITH DASIA AND OXIA ≡ 1F61 ώ 0301 ς	1F81	α̣	GREEK SMALL LETTER ALPHA WITH DASIA AND YPOGEGRAMMENI ≡ 1F01 α̣ 0345 Ϙ
1F66	ὀ	GREEK SMALL LETTER OMEGA WITH PSILI AND PERISPOMENI ≡ 1F60 ὀ 0342 ς	1F82	α̂	GREEK SMALL LETTER ALPHA WITH PSILI AND VARIA AND YPOGEGRAMMENI ≡ 1F02 α̂ 0345 Ϙ
1F67	ὶ	GREEK SMALL LETTER OMEGA WITH DASIA AND PERISPOMENI ≡ 1F61 ὶ 0342 ς	1F83	α̇	GREEK SMALL LETTER ALPHA WITH DASIA AND VARIA AND YPOGEGRAMMENI ≡ 1F03 α̇ 0345 Ϙ
1F68	Ω	GREEK CAPITAL LETTER OMEGA WITH PSILI ≡ 03A9 Ω 0313 ς	1F84	α̣̂	GREEK SMALL LETTER ALPHA WITH PSILI AND OXIA AND YPOGEGRAMMENI ≡ 1F04 α̣̂ 0345 Ϙ
1F69	Ω	GREEK CAPITAL LETTER OMEGA WITH DASIA ≡ 03A9 Ω 0314 ς	1F85	α̣̇	GREEK SMALL LETTER ALPHA WITH DASIA AND OXIA AND YPOGEGRAMMENI ≡ 1F05 α̣̇ 0345 Ϙ
1F6A	ῶ	GREEK CAPITAL LETTER OMEGA WITH PSILI AND VARIA ≡ 1F68 ῶ 0300 ς	1F86	α̂̇	GREEK SMALL LETTER ALPHA WITH PSILI AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F06 α̂̇ 0345 Ϙ
1F6B	ῶ	GREEK CAPITAL LETTER OMEGA WITH DASIA AND VARIA ≡ 1F69 ῶ 0300 ς	1F87	α̇̂	GREEK SMALL LETTER ALPHA WITH DASIA AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F07 α̇̂ 0345 Ϙ
1F6C	ῶ	GREEK CAPITAL LETTER OMEGA WITH PSILI AND OXIA ≡ 1F68 ῶ 0301 ς	1F88	Α̂	GREEK CAPITAL LETTER ALPHA WITH PSILI AND PROSGEGRAMMENI ≡ 1F08 Α̂ 0345 Ϙ
1F6D	ῶ	GREEK CAPITAL LETTER OMEGA WITH DASIA AND OXIA ≡ 1F69 ῶ 0301 ς	1F89	Α̂	GREEK CAPITAL LETTER ALPHA WITH DASIA AND PROSGEGRAMMENI ≡ 1F09 Α̂ 0345 Ϙ
1F6E	ῶ	GREEK CAPITAL LETTER OMEGA WITH PSILI AND PERISPOMENI ≡ 1F68 ῶ 0342 ς	1F8A	Α̂̇	GREEK CAPITAL LETTER ALPHA WITH PSILI AND VARIA AND PROSGEGRAMMENI ≡ 1F0A Α̂̇ 0345 Ϙ
1F6F	ῶ	GREEK CAPITAL LETTER OMEGA WITH DASIA AND PERISPOMENI ≡ 1F69 ῶ 0342 ς	1F8B	Α̂̇	GREEK CAPITAL LETTER ALPHA WITH DASIA AND VARIA AND PROSGEGRAMMENI ≡ 1F0B Α̂̇ 0345 Ϙ
1F70	ὰ	GREEK SMALL LETTER ALPHA WITH VARIA ≡ 03B1 α̣ 0300 ς	1F8C	Α̂̇	GREEK CAPITAL LETTER ALPHA WITH PSILI AND OXIA AND PROSGEGRAMMENI ≡ 1F0C Α̂̇ 0345 Ϙ
1F71	ά	GREEK SMALL LETTER ALPHA WITH OXIA ≡ 03AC ά̣ greek small letter alpha with tonos	1F8D	Α̂̇	GREEK CAPITAL LETTER ALPHA WITH DASIA AND OXIA AND PROSGEGRAMMENI ≡ 1F0D Α̂̇ 0345 Ϙ
1F72	ἐ	GREEK SMALL LETTER EPSILON WITH VARIA ≡ 03B5 ε̣ 0300 ς	1F8E	Α̂̇	GREEK CAPITAL LETTER ALPHA WITH PSILI AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F0E Α̂̇ 0345 Ϙ
1F73	έ	GREEK SMALL LETTER EPSILON WITH OXIA ≡ 03AD ε̣̣ greek small letter epsilon with tonos	1F8F	Α̂̇	GREEK CAPITAL LETTER ALPHA WITH DASIA AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F0F Α̂̇ 0345 Ϙ
1F74	ἠ	GREEK SMALL LETTER ETA WITH VARIA ≡ 03B7 η̣ 0300 ς	1F90	ἠ	GREEK SMALL LETTER ETA WITH PSILI AND YPOGEGRAMMENI ≡ 1F20 ἠ̣ 0345 Ϙ
1F75	ή	GREEK SMALL LETTER ETA WITH OXIA ≡ 03AE η̣̣ greek small letter eta with tonos	1F91	ἠ	GREEK SMALL LETTER ETA WITH DASIA AND YPOGEGRAMMENI ≡ 1F21 ἠ̣̣ 0345 Ϙ
1F76	ὶ	GREEK SMALL LETTER IOTA WITH VARIA ≡ 03B9 ι̣ 0300 ς	1F92	ἠ̂	GREEK SMALL LETTER ETA WITH PSILI AND VARIA AND YPOGEGRAMMENI ≡ 1F22 ἠ̂ 0345 Ϙ
1F77	ί	GREEK SMALL LETTER IOTA WITH OXIA ≡ 03AF ι̣̣ greek small letter iota with tonos	1F93	ἠ̂	GREEK SMALL LETTER ETA WITH DASIA AND VARIA AND YPOGEGRAMMENI ≡ 1F23 ἠ̂ 0345 Ϙ
1F78	ὸ	GREEK SMALL LETTER OMICRON WITH VARIA ≡ 03BF ο̣ 0300 ς	1F94	ἠ̇	GREEK SMALL LETTER ETA WITH PSILI AND OXIA AND YPOGEGRAMMENI ≡ 1F24 ἠ̇ 0345 Ϙ
1F79	ό	GREEK SMALL LETTER OMICRON WITH OXIA ≡ 03CC ο̣̣ greek small letter omicron with tonos	1F95	ἠ̇	GREEK SMALL LETTER ETA WITH DASIA AND OXIA AND YPOGEGRAMMENI ≡ 1F25 ἠ̇ 0345 Ϙ
1F7A	ὺ	GREEK SMALL LETTER UPSILON WITH VARIA ≡ 03C5 υ̣ 0300 ς			
1F7B	ύ	GREEK SMALL LETTER UPSILON WITH OXIA ≡ 03CD υ̣̣ greek small letter upsilon with tonos			
1F7C	ὠ	GREEK SMALL LETTER OMEGA WITH VARIA ≡ 03C9 ω̣ 0300 ς			
1F7D	ώ	GREEK SMALL LETTER OMEGA WITH OXIA ≡ 03CE ω̣̣ greek small letter omega with tonos			
1F7E	⏏	<reserved>			
1F7F	⏏	<reserved>			
1F80	α̣̂	GREEK SMALL LETTER ALPHA WITH PSILI AND YPOGEGRAMMENI ≡ 1F00 α̣̂ 0345 Ϙ			











































1F96	ἥ	GREEK SMALL LETTER ETA WITH PSILI AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F26 ḥ̄ 0345 ◌	1FAB	Ω̄	GREEK CAPITAL LETTER OMEGA WITH DASIA AND VARIA AND PROSGEGRAMMENI ≡ 1F6B Ω̄ 0345 ◌
1F97	ἦ	GREEK SMALL LETTER ETA WITH DASIA AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F27 ḥ̄ 0345 ◌	1FAC	Ω̄	GREEK CAPITAL LETTER OMEGA WITH PSILI AND OXIA AND PROSGEGRAMMENI ≡ 1F6C Ω̄ 0345 ◌
1F98	Ἡ	GREEK CAPITAL LETTER ETA WITH PSILI AND PROSGEGRAMMENI ≡ 1F28 Ḥ 0345 ◌	1FAD	Ω̄	GREEK CAPITAL LETTER OMEGA WITH DASIA AND OXIA AND PROSGEGRAMMENI ≡ 1F6D Ω̄ 0345 ◌
1F99	Ἠ	GREEK CAPITAL LETTER ETA WITH DASIA AND PROSGEGRAMMENI ≡ 1F29 Ḥ 0345 ◌	1FAE	Ω̄	GREEK CAPITAL LETTER OMEGA WITH PSILI AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F6E Ω̄ 0345 ◌
1F9A	Ἡ	GREEK CAPITAL LETTER ETA WITH PSILI AND VARIA AND PROSGEGRAMMENI ≡ 1F2A Ḥ 0345 ◌	1FAF	Ω̄	GREEK CAPITAL LETTER OMEGA WITH DASIA AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F6F Ω̄ 0345 ◌
1F9B	Ἠ	GREEK CAPITAL LETTER ETA WITH DASIA AND VARIA AND PROSGEGRAMMENI ≡ 1F2B Ḥ 0345 ◌	1FB0	ἄ	GREEK SMALL LETTER ALPHA WITH VRACHY ≡ 03B1 α 0306 ̣
1F9C	Ἡ	GREEK CAPITAL LETTER ETA WITH PSILI AND OXIA AND PROSGEGRAMMENI ≡ 1F2C Ḥ 0345 ◌	1FB1	ἄ	GREEK SMALL LETTER ALPHA WITH MACRON ≡ 03B1 α 0304 ̄
1F9D	Ἡ	GREEK CAPITAL LETTER ETA WITH DASIA AND OXIA AND PROSGEGRAMMENI ≡ 1F2D Ḥ 0345 ◌	1FB2	ἄ	GREEK SMALL LETTER ALPHA WITH VARIA AND YPOGEGRAMMENI ≡ 1F70 ἄ 0345 ◌
1F9E	Ἡ	GREEK CAPITAL LETTER ETA WITH PSILI AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F2E Ḥ 0345 ◌	1FB3	ἄ	GREEK SMALL LETTER ALPHA WITH YPOGEGRAMMENI ≡ 03B1 α 0345 ◌
1F9F	Ἡ	GREEK CAPITAL LETTER ETA WITH DASIA AND PERISPOMENI AND PROSGEGRAMMENI ≡ 1F2F Ḥ 0345 ◌	1FB4	ἄ	GREEK SMALL LETTER ALPHA WITH OXIA AND YPOGEGRAMMENI ≡ 03AC ἄ 0345 ◌
1FA0	ὦ	GREEK SMALL LETTER OMEGA WITH PSILI AND YPOGEGRAMMENI ≡ 1F60 ὦ 0345 ◌	1FB5	Ⓢ	<reserved>
1FA1	ὦ	GREEK SMALL LETTER OMEGA WITH DASIA AND YPOGEGRAMMENI ≡ 1F61 ὦ 0345 ◌	1FB6	ἄ	GREEK SMALL LETTER ALPHA WITH PERISPOMENI ≡ 03B1 α 0342 ̣
1FA2	ὦ	GREEK SMALL LETTER OMEGA WITH PSILI AND VARIA AND YPOGEGRAMMENI ≡ 1F62 ὦ 0345 ◌	1FB7	ἄ	GREEK SMALL LETTER ALPHA WITH PERISPOMENI AND YPOGEGRAMMENI ≡ 1FB6 ἄ 0345 ◌
1FA3	ὦ	GREEK SMALL LETTER OMEGA WITH DASIA AND VARIA AND YPOGEGRAMMENI ≡ 1F63 ὦ 0345 ◌	1FB8	Ἀ	GREEK CAPITAL LETTER ALPHA WITH VRACHY ≡ 0391 Α 0306 ̣
1FA4	ὦ	GREEK SMALL LETTER OMEGA WITH PSILI AND OXIA AND YPOGEGRAMMENI ≡ 1F64 ὦ 0345 ◌	1FB9	Ἀ	GREEK CAPITAL LETTER ALPHA WITH MACRON ≡ 0391 Α 0304 ̄
1FA5	ὦ	GREEK SMALL LETTER OMEGA WITH DASIA AND OXIA AND YPOGEGRAMMENI ≡ 1F65 ὦ 0345 ◌	1FBA	Ἀ	GREEK CAPITAL LETTER ALPHA WITH VARIA ≡ 0391 Α 0300 ̣
1FA6	ὦ	GREEK SMALL LETTER OMEGA WITH PSILI AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F66 ὦ 0345 ◌	1FBB	Ἀ	GREEK CAPITAL LETTER ALPHA WITH OXIA ≡ 0386 Α greek capital letter alpha with tonos
1FA7	ὦ	GREEK SMALL LETTER OMEGA WITH DASIA AND PERISPOMENI AND YPOGEGRAMMENI ≡ 1F67 ὦ 0345 ◌	1FBC	Α	GREEK CAPITAL LETTER ALPHA WITH PROSGEGRAMMENI ≡ 0391 Α 0345 ◌
1FA8	Ω̄	GREEK CAPITAL LETTER OMEGA WITH PSILI AND PROSGEGRAMMENI ≡ 1F68 Ω̄ 0345 ◌	1FBD	΄	GREEK KORONIS ≈ 0020 SP 0313 ◌
1FA9	Ω̄	GREEK CAPITAL LETTER OMEGA WITH DASIA AND PROSGEGRAMMENI ≡ 1F69 Ω̄ 0345 ◌	1FBE	΄	GREEK PROSGEGRAMMENI ≡ 03B9 ι greek small letter iota
1FAA	Ω̄	GREEK CAPITAL LETTER OMEGA WITH PSILI AND VARIA AND PROSGEGRAMMENI ≡ 1F6A Ω̄ 0345 ◌	1FBF	΄	GREEK PSILI → 02BC ΄ modifier letter apostrophe ≈ 0020 SP 0313 ◌
			1FC0	̣	GREEK PERISPOMENI ≈ 0020 SP 0342 ̣
			1FC1	̣	GREEK DIALYTIKA AND PERISPOMENI ≡ 00A8 ̣ 0342 ̣
			1FC2	ἦ	GREEK SMALL LETTER ETA WITH VARIA AND YPOGEGRAMMENI ≡ 1F74 ἦ 0345 ◌
			1FC3	ἦ	GREEK SMALL LETTER ETA WITH YPOGEGRAMMENI ≡ 03B7 ἦ 0345 ◌

1FC4	ή	GREEK SMALL LETTER ETA WITH OXIA AND YPOGEGRAMMENI ≡ 03AE ή 0345 Ϙ	1FE1	ῶ	GREEK SMALL LETTER UPSILON WITH MACRON ≡ 03C5 υ 0304 ὀ
1FC5		<reserved>	1FE2	ὶ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND VARIA ≡ 03CB ῖ 0300 ῑ
1FC6	ῆ	GREEK SMALL LETTER ETA WITH PERISPOMENI ≡ 03B7 η 0342 ῑ	1FE3	ῦ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND OXIA ≡ 03B0 ῡ greek small letter upsilon with dialytika and tonos
1FC7	ῆ	GREEK SMALL LETTER ETA WITH PERISPOMENI AND YPOGEGRAMMENI ≡ 1FC6 ῆ 0345 Ϙ	1FE4	ῖ	GREEK SMALL LETTER RHO WITH PSILI ≡ 03C1 ϱ 0313 ῑ
1FC8	Έ	GREEK CAPITAL LETTER EPSILON WITH VARIA ≡ 0395 Ε 0300 ῑ	1FE5	ῖ	GREEK SMALL LETTER RHO WITH DASIA ≡ 03C1 ϱ 0314 ῑ
1FC9	Έ	GREEK CAPITAL LETTER EPSILON WITH OXIA ≡ 0388 Έ greek capital letter epsilon with tonos	1FE6	ῖ	GREEK SMALL LETTER UPSILON WITH PERISPOMENI ≡ 03C5 υ 0342 ῑ
1FCA	Ἠ	GREEK CAPITAL LETTER ETA WITH VARIA ≡ 0397 Η 0300 ῑ	1FE7	ῖ	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND PERISPOMENI ≡ 03CB ῖ 0342 ῑ
1FCB	Ἠ	GREEK CAPITAL LETTER ETA WITH OXIA ≡ 0389 Ἠ greek capital letter eta with tonos	1FE8	Υ̂	GREEK CAPITAL LETTER UPSILON WITH VRACHY ≡ 03A5 Υ 0306 ῑ
1FCC	Ἠ	GREEK CAPITAL LETTER ETA WITH PROSGEGRAMMENI ≡ 0397 Η 0345 Ϙ	1FE9	Ῡ	GREEK CAPITAL LETTER UPSILON WITH MACRON ≡ 03A5 Υ 0304 ῑ
1FCD	Ψ	GREEK PSILI AND VARIA ≡ 1FBF Ψ 0300 ῑ	1FEA	Υ̂	GREEK CAPITAL LETTER UPSILON WITH VARIA ≡ 03A5 Υ 0300 ῑ
1FCE	Ψ	GREEK PSILI AND OXIA ≡ 1FBF Ψ 0301 ῑ	1FEB	Ῡ	GREEK CAPITAL LETTER UPSILON WITH OXIA ≡ 038E Ῡ greek capital letter upsilon with tonos
1FCF	Ψ	GREEK PSILI AND PERISPOMENI ≡ 1FBF Ψ 0342 ῑ	1FEC	Ρ	GREEK CAPITAL LETTER RHO WITH DASIA ≡ 03A1 Ρ 0314 ῑ
1FD0	ι̂	GREEK SMALL LETTER IOTA WITH VRACHY ≡ 03B9 ι 0306 ῑ	1FED	Ϛ	GREEK DIALYTIKA AND VARIA ≡ 00A8 Ϛ 0300 ῑ
1FD1	ῖ	GREEK SMALL LETTER IOTA WITH MACRON ≡ 03B9 ι 0304 ῑ	1FEE	ϛ	GREEK DIALYTIKA AND OXIA ≡ 0385 ϛ greek dialytika tonos
1FD2	ῖ	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND VARIA ≡ 03CA ῖ 0300 ῑ	1FEF	˘	GREEK VARIA ≡ 0060 ˘ grave accent
1FD3	ῖ	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND OXIA ≡ 0390 ῖ greek small letter iota with dialytika and tonos	1FF0		<reserved>
1FD4		<reserved>	1FF1		<reserved>
1FD5		<reserved>	1FF2	ὦ	GREEK SMALL LETTER OMEGA WITH VARIA AND YPOGEGRAMMENI ≡ 1F7C ὠ 0345 Ϙ
1FD6	ῖ	GREEK SMALL LETTER IOTA WITH PERISPOMENI ≡ 03B9 ι 0342 ῑ	1FF3	ω̂	GREEK SMALL LETTER OMEGA WITH YPOGEGRAMMENI ≡ 03C9 ω 0345 Ϙ
1FD7	ῖ	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND PERISPOMENI ≡ 03CA ῖ 0342 ῑ	1FF4	ὦ	GREEK SMALL LETTER OMEGA WITH OXIA AND YPOGEGRAMMENI ≡ 03CE ὰ 0345 Ϙ
1FD8	Ἠ̂	GREEK CAPITAL LETTER IOTA WITH VRACHY ≡ 0399 Ι 0306 ῑ	1FF5		<reserved>
1FD9	Ἠ̄	GREEK CAPITAL LETTER IOTA WITH MACRON ≡ 0399 Ι 0304 ῑ	1FF6	ὠ	GREEK SMALL LETTER OMEGA WITH PERISPOMENI ≡ 03C9 ω 0342 ῑ
1FDA	Ἠ̂	GREEK CAPITAL LETTER IOTA WITH VARIA ≡ 0399 Ι 0300 ῑ	1FF7	ὠ̂	GREEK SMALL LETTER OMEGA WITH PERISPOMENI AND YPOGEGRAMMENI ≡ 1FF6 ὠ̂ 0345 Ϙ
1FDB	Ἠ̄	GREEK CAPITAL LETTER IOTA WITH OXIA ≡ 038A Ἠ̄ greek capital letter iota with tonos	1FF8	Ό	GREEK CAPITAL LETTER OMICRON WITH VARIA ≡ 039F Ο 0300 ῑ
1FDC		<reserved>	1FF9	Ό	GREEK CAPITAL LETTER OMICRON WITH OXIA ≡ 038C Ό greek capital letter omicron with tonos
1FDD	Ψ	GREEK DASIA AND VARIA ≡ 1FFE Ψ 0300 ῑ	1FFA	Ω̂	GREEK CAPITAL LETTER OMEGA WITH VARIA ≡ 03A9 Ω 0300 ῑ
1FDE	Ψ	GREEK DASIA AND OXIA ≡ 1FFE Ψ 0301 ῑ	1FFB	Ω̄	GREEK CAPITAL LETTER OMEGA WITH OXIA ≡ 038F Ω̄ greek capital letter omega with tonos
1FDF	Ψ	GREEK DASIA AND PERISPOMENI ≡ 1FFE Ψ 0342 ῑ			
1FE0	Ϛ	GREEK SMALL LETTER UPSILON WITH VRACHY ≡ 03C5 υ 0306 ῑ			

1FFC Ω GREEK CAPITAL LETTER OMEGA WITH
PROSGEGRAMMENI
≡ 03A9 Ω 0345 ϖ

























1FFD ´ GREEK OXIA
≡ 00B4 ´ acute accent

1FFE ˆ GREEK DASIA
→ 02BD ˆ modifier letter reversed comma
≈ 0020 sp 0314 ˆ





	200	201	202	203	204	205	206
0	 2000	— 2010	† 2020	‰ 2030	— 2040	⊂ 2050	 2060
1	 2001	 2011	‡ 2021	‱ 2031	∧ 2041	* 2051	 2061
2	 2002	— 2012	● 2022	' 2032	* 2042	% 2052	 2062
3	 2003	— 2013	▶ 2023	" 2033	■ 2043	~ 2053	 2063
4	 2004	— 2014	• 2024	''' 2034	/ 2044	— 2054	 2064
5	 2005	— 2015	•• 2025	\ 2035	[2045	* 2055	
6	 2006	|| 2016	••• 2026	" 2036	] 2046	∴ 2056	
7	 2007	= 2017	• 2027	''' 2037	?? 2047	''' 2057	
8	 2008	‘ 2018	 2028	^ 2038	?! 2048	∴ 2058	
9	 2009	’ 2019	 2029	< 2039	!? 2049	∴ 2059	
A	 200A	, 201A	 202A	> 203A	7 204A	• 205A	 206A
B	 200B	◌ 201B	 202B	⊗ 203B	¶ 204B	•• 205B	 206B
C	 200C	“ 201C	 202C	!! 203C	◌ 204C	⋈ 205C	 206C
D	 200D	” 201D	 202D	!◌ 203D	◌ 204D	•• 205D	 206D
E	 200E	” 201E	 202E	— 203E	* 204E	•• 205E	 206E
F	 200F	“ 201F	 202F	— 203F	◌ 204F	 205F	 206F

For additional general punctuation characters see also *Basic Latin, Latin-1, Supplemental Punctuation and CJK Symbols and Punctuation*.




Spaces

- 2000  EN QUAD
≡ 2002  en space
- 2001  EM QUAD
= mutton quad
≡ 2003  em space
- 2002  EN SPACE
= nut
• half an em
≈ 0020  space
- 2003  EM SPACE
= mutton
• nominally, a space equal to the type size in points
• may scale by the condensation factor of a font
≈ 0020  space
- 2004  THREE-PER-EM SPACE
= thick space
≈ 0020  space
- 2005  FOUR-PER-EM SPACE
= mid space
≈ 0020  space
- 2006  SIX-PER-EM SPACE
• in computer typography sometimes equated to thin space
≈ 0020  space
- 2007  FIGURE SPACE
• space equal to tabular width of a font
• this is equivalent to the digit width of fonts with fixed-width digits
≈ <noBreak> 0020  space
- 2008  PUNCTUATION SPACE
• space equal to narrow punctuation of a font
≈ 0020  space
- 2009  THIN SPACE
• a fifth of an em (or sometimes a sixth)
→ 202F  narrow no-break space
≈ 0020  space
- 200A  HAIR SPACE
• thinner than a thin space
• in traditional typography, the thinnest space available
≈ 0020  space
- 200B  ZERO WIDTH SPACE
• commonly abbreviated ZWSP
• this character is intended for invisible word separation and for line break control; it has no width, but its presence between two characters does not prevent increased letter spacing in justification




Format characters

- 200C  ZERO WIDTH NON-JOINER
• commonly abbreviated ZWNJ
- 200D  ZERO WIDTH JOINER
• commonly abbreviated ZWJ
- 200E  LEFT-TO-RIGHT MARK
• commonly abbreviated LRM
- 200F  RIGHT-TO-LEFT MARK
• commonly abbreviated RLM

Dashes








- 2010 - HYPHEN
→ 002D - hyphen-minus
→ 00AD  soft hyphen
- 2011  NON-BREAKING HYPHEN
→ 002D - hyphen-minus
→ 00AD  soft hyphen
≈ <noBreak> 2010 -
- 2012 — FIGURE DASH
- 2013 — EN DASH
- 2014 — EM DASH
• may be used in pairs to offset parenthetical text
→ 30FC — katakana-hiragana prolonged sound mark
- 2015 — HORIZONTAL BAR
= quotation dash
• long dash introducing quoted text






General punctuation

- 2016 || DOUBLE VERTICAL LINE
• used in pairs to indicate norm of a matrix
→ 20E6 || combining double vertical stroke overlay
→ 2225 || parallel to
- 2017 = DOUBLE LOW LINE
• this is a spacing character
→ 005F _ low line
→ 0333  combining double low line
≈ 0020  0333 
- 2018 ‘ LEFT SINGLE QUOTATION MARK
= single turned comma quotation mark
• this is the preferred character (as opposed to 201B ‘)
→ 0027 ' apostrophe
→ 02BB ‘ modifier letter turned comma
→ 275B ‘ heavy single turned comma quotation mark ornament
- 2019 ’ RIGHT SINGLE QUOTATION MARK
= single comma quotation mark
• this is the preferred character to use for apostrophe
→ 0027 ' apostrophe
→ 02BC ’ modifier letter apostrophe
→ 275C ’ heavy single comma quotation mark ornament
- 201A ‚ SINGLE LOW-9 QUOTATION MARK
= low single comma quotation mark
• used as opening single quotation mark in some languages
- 201B ‘ SINGLE HIGH-REVERSED-9 QUOTATION MARK
= single reversed comma quotation mark
• has same semantic as 2018 ‘, but differs in appearance
→ 02BD ‘ modifier letter reversed comma
- 201C “ LEFT DOUBLE QUOTATION MARK
= double turned comma quotation mark
• this is the preferred character (as opposed to 201F “)
→ 0022 " quotation mark
→ 275D “ heavy double turned comma quotation mark ornament
→ 301D “ reversed double prime quotation mark

- 201D ” **RIGHT DOUBLE QUOTATION MARK**
= double comma quotation mark
→ 0022 " quotation mark
→ 2033 " double prime
→ 275E ” heavy double comma quotation mark ornament
→ 301E ” double prime quotation mark
- 201E „ **DOUBLE LOW-9 QUOTATION MARK**
= low double comma quotation mark
• used as opening double quotation mark in some languages
→ 301F „ low double prime quotation mark
- 201F “ **DOUBLE HIGH-REVERSED-9 QUOTATION MARK**
= double reversed comma quotation mark
• has same semantic as 201C “, but differs in appearance
- 2020 † **DAGGER**
= obelisk, obelus, long cross
- 2021 ‡ **DOUBLE DAGGER**
= diesis, double obelisk
- 2022 • **BULLET**
= black small circle
→ 00B7 · middle dot
→ 2024 . one dot leader
→ 2219 • bullet operator
→ 25D8 ◻ inverse bullet
→ 25E6 ◦ white bullet
- 2023 ▶ **TRIANGULAR BULLET**
→ 220E ■ end of proof
→ 25B8 ► black right-pointing small triangle
- 2024 . **ONE DOT LEADER**
• also used as an Armenian semicolon (mijaket)
→ 00B7 · middle dot
→ 2022 • bullet
→ 2219 • bullet operator
≈ 002E . full stop
- 2025 .. **TWO DOT LEADER**
≈ 002E . 002E .
- 2026 ... **HORIZONTAL ELLIPSIS**
= three dot leader
→ 22EE ∴ vertical ellipsis
→ FE19 ∴ presentation form for vertical horizontal ellipsis
≈ 002E . 002E . 002E .
- 2027 - **HYPHENATION POINT**

Format characters

- 2028  **LINE SEPARATOR**
• may be used to represent this semantic unambiguously
- 2029  **PARAGRAPH SEPARATOR**
• may be used to represent this semantic unambiguously
- 202A  **LEFT-TO-RIGHT EMBEDDING**
• commonly abbreviated LRE
- 202B  **RIGHT-TO-LEFT EMBEDDING**
• commonly abbreviated RLE
- 202C  **POP DIRECTIONAL FORMATTING**
• commonly abbreviated PDF
- 202D  **LEFT-TO-RIGHT OVERRIDE**
• commonly abbreviated LRO
- 202E  **RIGHT-TO-LEFT OVERRIDE**
• commonly abbreviated RLO

- 202F  **NARROW NO-BREAK SPACE**
• commonly abbreviated NNBSP
• a narrow form of a no-break space, typically the width of a thin space or a mid space
→ 00A0  no-break space
→ 2005  four-per-em space
→ 2009  thin space
≈ <noBreak> 0020 

General punctuation


- 2030 ‰ **PER MILLE SIGN**
= permille, per thousand
• used, for example, in measures of blood alcohol content, salinity, etc.
→ 0025 ‰ percent sign
→ 0609 ‰ arabic-indic per mille sign
- 2031 ‰ **PER TEN THOUSAND SIGN**
= permyriad
• percent of a percent, rarely used
→ 0025 ‰ percent sign
→ 060A ‰ arabic-indic per ten thousand sign
- 2032 ' **PRIME**
= minutes, feet
→ 0027 ' apostrophe
→ 00B4 ´ acute accent
→ 02B9 ´ modifier letter prime
- 2033 " **DOUBLE PRIME**
= seconds, inches
→ 0022 " quotation mark
→ 02BA " modifier letter double prime
→ 201D ” right double quotation mark
→ 3003 " ditto mark
→ 301E ” double prime quotation mark
≈ 2032 ' 2032 '
- 2034 ‴ **TRIPLE PRIME**
= lines (old measure, 1/12 of an inch)
≈ 2032 ' 2032 ' 2032 '
- 2035 ` **REVERSED PRIME**
→ 0060 ` grave accent
- 2036 ′ **REVERSED DOUBLE PRIME**
→ 301D ′ reversed double prime quotation mark
≈ 2035 ` 2035 `
- 2037 ‴ **REVERSED TRIPLE PRIME**
≈ 2035 ` 2035 ` 2035 `
- 2038 ^ **CARET**
→ 2303 ^ up arrowhead
→ A788 ^ modifier letter low circumflex accent
- 2039 ‹ **SINGLE LEFT-POINTING ANGLE QUOTATION MARK**
= left pointing single guillemet
• usually opening, sometimes closing
→ 003C ‹ less-than sign
→ 2329 ‹ left-pointing angle bracket
→ 3008 ‹ left angle bracket
- 203A › **SINGLE RIGHT-POINTING ANGLE QUOTATION MARK**
= right pointing single guillemet
• usually closing, sometimes opening
→ 003E › greater-than sign
→ 232A › right-pointing angle bracket
→ 3009 › right angle bracket

- 203B ✕ REFERENCE MARK
 = Japanese kome
 = Urdu paragraph separator
 → OFBF ✕ tibetan ku ru kha bzhi mig can
 → 200AD ✕ cjk unified ideograph-200AD

Double punctuation for vertical text

- 203C !! DOUBLE EXCLAMATION MARK
 → 0021 ! exclamation mark
 ≈ 0021 ! 0021 !

General punctuation

- 203D ? INTERROBANG
 → 0021 ! exclamation mark
 → 003F ? question mark
 → 2E18 ¿ inverted interrobang
- 203E ¯ OVERLINE
 = spacing overscore
 ≈ 0020  0305 ◌
- 203F ˇ UNDERTIE
 = Greek enotikon
 → 2323 ~ smile
- 2040 ˘ CHARACTER TIE
 = z notation sequence concatenation
 → 2322 ˘ frown
- 2041 ˆ CARET INSERTION POINT
 • proofreader's mark: insert here
 → 22CC ˆ right semidirect product
- 2042 * ASTERISM
- 2043 - HYPHEN BULLET
- 2044 / FRACTION SLASH
 = solidus (in typography)
 • for composing arbitrary fractions
 → 002F / solidus
 → 2215 / division slash
- 2045 [LEFT SQUARE BRACKET WITH QUILL
- 2046] RIGHT SQUARE BRACKET WITH QUILL

Double punctuation for vertical text

- 2047 ?? DOUBLE QUESTION MARK
 ≈ 003F ? 003F ?
- 2048 ?! QUESTION EXCLAMATION MARK
 ≈ 003F ? 0021 !
- 2049 !? EXCLAMATION QUESTION MARK
 ≈ 0021 ! 003F ?

General punctuation

- 204A ˆ TIRONIAN SIGN ET
 • Irish Gaelic, Old English, ...
 → 0026 & ampersand
- 204B Ɔ REVERSED PILCROW SIGN
 → 00B6 ¶ pilcrow sign
- 204C ◄ BLACK LEFTWARDS BULLET
- 204D ► BLACK RIGHTWARDS BULLET
- 204E * LOW ASTERISK
 → 002A * asterisk
 → 0359 ◌ combining asterisk below
- 204F ; REVERSED SEMICOLON
 → 003B ; semicolon
- 2050 ☉ CLOSE UP
 • editing mark
- 2051 ** TWO ASTERISKS ALIGNED VERTICALLY

- 2052 % COMMERCIAL MINUS SIGN
 = abzüglich (German), med avdrag av (Swedish),
 piska (Swedish, "whip")
 • a common glyph variant and fallback
 representation looks like ./.
 • may also be used as a dingbat to indicate
 correctness
 • used in Finno-Ugric Phonetic Alphabet to
 indicate a related borrowed form with different
 sound
 → 0025 % percent sign
 → 066A % arabic percent sign
- 2053 ~ SWUNG DASH
 → 007E ~ tilde
- 2054 ˘ INVERTED UNDERTIE
- 2055 * FLOWER PUNCTUATION MARK
 = phul, puspika
 • used as a punctuation mark with Syloti Nagri,
 Bengali and other Indic scripts
 → 274B * heavy eight teardrop-spoked
 propeller asterisk

Archaic punctuation

- 2056 ∴ THREE DOT PUNCTUATION



General punctuation

- 2057 ⁂ QUADRUPLE PRIME
 ≈ 2032 ' 2032 ' 2032 ' 2032 '



Archaic punctuation

- 2058 ∴ FOUR DOT PUNCTUATION
- 2059 ∴ FIVE DOT PUNCTUATION
 = Greek pentonkion
 = quincunx
 → 2684 ∴ die face-5
- 205A ∴ TWO DOT PUNCTUATION
 • historically used to indicate the end of a
 sentence or change of speaker
 • extends from baseline to cap height
 → FE30 ∴ presentation form for vertical two dot
 leader
 → 1015B ∴ greek acrophonic epidaurean two
- 205B ∴ FOUR DOT MARK
 • used by scribes in the margin as highlighter
 mark
 • this is centered on the line, but extends beyond
 top and bottom of the line
- 205C ∴ DOTTED CROSS
 • used by scribes in the margin as highlighter
 mark
- 205D ∴ TRICOLON
 = Epidaurean acrophonic symbol three
 → 22EE ∴ vertical ellipsis
 → 2AF6 ∴ triple colon operator
 → FE19 ∴ presentation form for vertical
 horizontal ellipsis
- 205E ∴ VERTICAL FOUR DOTS
 • used in dictionaries to indicate legal but
 undesirable word break
 • glyph extends the whole height of the line





Space

- 205F  MEDIUM MATHEMATICAL SPACE
 • abbreviated MMSp
 • four-eightieths of an em
 ≈ 0020  space

Format character







- 2060  WORD JOINER
- commonly abbreviated WJ
 - a zero width non-breaking space (only)
 - intended for disambiguation of functions for byte order mark
- FEFF  zero width no-break space

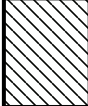

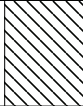



Invisible operators

- 2061  FUNCTION APPLICATION
- contiguity operator indicating application of a function
- 2062  INVISIBLE TIMES
- contiguity operator indicating multiplication
- 2063  INVISIBLE SEPARATOR
- = invisible comma
- contiguity operator indicating that adjacent mathematical symbols form a list, e.g. when no visible comma is used between multiple indices
- 2064  INVISIBLE PLUS
- contiguity operator indicating addition

Deprecated

Use of these characters is strongly discouraged.

- 206A  INHIBIT SYMMETRIC SWAPPING
- 206B  ACTIVATE SYMMETRIC SWAPPING
- 206C  INHIBIT ARABIC FORM SHAPING
- 206D  ACTIVATE ARABIC FORM SHAPING
- 206E  NATIONAL DIGIT SHAPES
- 206F  NOMINAL DIGIT SHAPES

	207	208	209
0	0 2070	0 2080	a 2090
1	i 2071	1 2081	e 2091
2		2 2082	o 2092
3		3 2083	x 2093
4	4 2074	4 2084	ə 2094
5	5 2075	5 2085	h 2095
6	6 2076	6 2086	k 2096
7	7 2077	7 2087	l 2097
8	8 2078	8 2088	m 2098
9	9 2079	9 2089	n 2099
A	+ 207A	+ 208A	p 209A
B	- 207B	- 208B	s 209B
C	= 207C	= 208C	t 209C
D	(207D	(208D	
E	) 207E	) 208E	
F	n 207F		

Superscripts

See also superscript Latin letters in the Spacing Modifier Letters block starting at 02B0.

2070	⁰	SUPERSCRIP ZERO ≈ <super> 0030 0
2071	ⁱ	SUPERSCRIP LATIN SMALL LETTER I • functions as a modifier letter ≈ <super> 0069 i
2072		<reserved> → 00B2 ² superscript two
2073		<reserved> → 00B3 ³ superscript three
2074	⁴	SUPERSCRIP FOUR ≈ <super> 0034 4
2075	⁵	SUPERSCRIP FIVE ≈ <super> 0035 5
2076	⁶	SUPERSCRIP SIX ≈ <super> 0036 6
2077	⁷	SUPERSCRIP SEVEN ≈ <super> 0037 7
2078	⁸	SUPERSCRIP EIGHT ≈ <super> 0038 8
2079	⁹	SUPERSCRIP NINE ≈ <super> 0039 9
207A	⁺	SUPERSCRIP PLUS SIGN ≈ <super> 002B +
207B	⁻	SUPERSCRIP MINUS ≈ <super> 2212 -
207C	⁼	SUPERSCRIP EQUALS SIGN ≈ <super> 003D =
207D	⁽	SUPERSCRIP LEFT PARENTHESIS ≈ <super> 0028 (
207E	⁾	SUPERSCRIP RIGHT PARENTHESIS ≈ <super> 0029)
207F	ⁿ	SUPERSCRIP LATIN SMALL LETTER N • functions as a modifier letter ≈ <super> 006E n

Subscripts

2080	₀	SUBSCRIPT ZERO ≈ <sub> 0030 0
2081	₁	SUBSCRIPT ONE ≈ <sub> 0031 1
2082	₂	SUBSCRIPT TWO ≈ <sub> 0032 2
2083	₃	SUBSCRIPT THREE ≈ <sub> 0033 3
2084	₄	SUBSCRIPT FOUR ≈ <sub> 0034 4
2085	₅	SUBSCRIPT FIVE ≈ <sub> 0035 5
2086	₆	SUBSCRIPT SIX ≈ <sub> 0036 6
2087	₇	SUBSCRIPT SEVEN ≈ <sub> 0037 7
2088	₈	SUBSCRIPT EIGHT ≈ <sub> 0038 8
2089	₉	SUBSCRIPT NINE ≈ <sub> 0039 9
208A	₊	SUBSCRIPT PLUS SIGN ≈ <sub> 002B +
208B	₋	SUBSCRIPT MINUS ≈ <sub> 2212 -

208C	₌	SUBSCRIPT EQUALS SIGN ≈ <sub> 003D =
208D	₍	SUBSCRIPT LEFT PARENTHESIS ≈ <sub> 0028 (
208E	₎	SUBSCRIPT RIGHT PARENTHESIS ≈ <sub> 0029)
208F		<reserved>
2090	_a	LATIN SUBSCRIPT SMALL LETTER A ≈ <sub> 0061 a
2091	_e	LATIN SUBSCRIPT SMALL LETTER E ≈ <sub> 0065 e
2092	_o	LATIN SUBSCRIPT SMALL LETTER O ≈ <sub> 006F o
2093	_x	LATIN SUBSCRIPT SMALL LETTER X ≈ <sub> 0078 x
2094	_ə	LATIN SUBSCRIPT SMALL LETTER SCHWA ≈ <sub> 0259 ə

Subscripts for UPA

2095	_h	LATIN SUBSCRIPT SMALL LETTER H ≈ <sub> 0068 h
2096	_k	LATIN SUBSCRIPT SMALL LETTER K ≈ <sub> 006B k
2097	_l	LATIN SUBSCRIPT SMALL LETTER L ≈ <sub> 006C l
2098	_m	LATIN SUBSCRIPT SMALL LETTER M ≈ <sub> 006D m
2099	_n	LATIN SUBSCRIPT SMALL LETTER N ≈ <sub> 006E n
209A	_p	LATIN SUBSCRIPT SMALL LETTER P ≈ <sub> 0070 p
209B	_s	LATIN SUBSCRIPT SMALL LETTER S ≈ <sub> 0073 s
209C	_t	LATIN SUBSCRIPT SMALL LETTER T ≈ <sub> 0074 t



































	20A	20B	20C
0	₣ 20A0	₧ 20B0	
1	₡ 20A1	₪ 20B1	
2	₢ 20A2	₣ 20B2	
3	₤ 20A3	₥ 20B3	
4	₦ 20A4	₧ 20B4	
5	₨ 20A5	₩ 20B5	
6	₪ 20A6	₫ 20B6	
7	€ 20A7	₭ 20B7	
8	₮ 20A8	₯ 20B8	
9	₰ 20A9		
A	₱ 20AA		
B	₲ 20AB		
C	₳ 20AC		
D	₴ 20AD		
E	₵ 20AE		
F	₶ 20AF		

Currency symbols

A number of currency symbols are found in other blocks.

Fullwidth versions of some currency symbols are found in the Halfwidth and Fullwidth Forms block.

	→ 0024 \$	dollar sign		20AE ₮	TUGRIK SIGN	<ul style="list-style-type: none"> • Mongolia • also transliterated as tugrug, tugric, tugrog, togrog, tögrög
	→ 00A2 ¢	cent sign		20AF ₯	DRACHMA SIGN	<ul style="list-style-type: none"> • Greece
	→ 00A3 £	pound sign		20B0 ₰	GERMAN PENNY SIGN	
	→ 00A4 ₭	currency sign		20B1 ₱	PESO SIGN	<ul style="list-style-type: none"> • Philippines • the Mexican peso is indicated with the dollar sign
	→ 00A5 ¥	yen sign				→ 20A7 ₧ peseta sign
	→ 0192 ƒ	latin small letter f with hook		20B2 ₨	GUARANI SIGN	<ul style="list-style-type: none"> • Paraguay • Often represented by G. or Gs.
	→ 060B ⅈ	afghani sign		20B3 ₳	AUSTRAL SIGN	<ul style="list-style-type: none"> • former Argentinian currency
	→ 09F2 ₭	bengali rupee mark		20B4 ₴	HRYVNIA SIGN	<ul style="list-style-type: none"> • Ukraine
	→ 09F3 ₭	bengali rupee sign		20B5 ⸂	CEDI SIGN	<ul style="list-style-type: none"> • Ghana • glyph may look like ⸂ or like C with a short vertical stroke through the upper arm
	→ 0AF1 ૠ	gujarati rupee sign				→ 00A2 ¢ cent sign
	→ 0BF9 ₭	tamil rupee sign				→ 023B ⸂ latin capital letter c with stroke
	→ 0E3F ฿	thai currency symbol baht		20B6 ₣	LIVRE TOURNOIS SIGN	<ul style="list-style-type: none"> • used in France from 13th-18th centuries
	→ 17DB ₭	khmer currency symbol riel		20B7 ₮	SPESMILO SIGN	<ul style="list-style-type: none"> • historical international currency associated with Esperanto
	→ 2133 ℳ	script capital m		20B8 ₸	TENGE SIGN	<ul style="list-style-type: none"> • Kazakhstan → 2351 ⸀ apl functional symbol up tack overbar → 2564 ⸀ box drawings down single and horizontal double → 3012 ⸀ postal mark
20A0	€	EURO-CURRENCY SIGN	<ul style="list-style-type: none"> • intended for ECU, but not widely used • historical character; this is NOT the euro! 			
	→ 20AC €	euro sign				
20A1	₡	COLON SIGN	<ul style="list-style-type: none"> • Costa Rica, El Salvador 			
20A2	₢	CRUZEIRO SIGN	<ul style="list-style-type: none"> • Brazil 			
20A3	₣	FRENCH FRANC SIGN	<ul style="list-style-type: none"> • France 			
20A4	₤	LIRA SIGN	<ul style="list-style-type: none"> • intended for lira, but not widely used • preferred character for lira is 00A3 £ 			
	→ 00A3 £	pound sign				
20A5	¢	MILL SIGN	<ul style="list-style-type: none"> • USA (1/10 cent) 			
20A6	₦	NAIRA SIGN	<ul style="list-style-type: none"> • Nigeria 			
20A7	₧	PESETA SIGN	<ul style="list-style-type: none"> • Spain 			
	→ 20B1 ₱	peso sign				
20A8	₹	RUPEE SIGN	<ul style="list-style-type: none"> • India, unofficial legacy practice 			
	≈ 0052 R 0073 s					
20A9	₩	WON SIGN	<ul style="list-style-type: none"> • Korea 			
20AA	₪	NEW SHEQEL SIGN	<ul style="list-style-type: none"> • Israel 			
20AB	₫	DONG SIGN	<ul style="list-style-type: none"> • Vietnam 			
20AC	€	EURO SIGN	<ul style="list-style-type: none"> • currency sign for the European Monetary Union • euro, not ecu 			
	→ 20A0 €	euro-currency sign				
20AD	₭	KIP SIGN	<ul style="list-style-type: none"> • Laos 			

	20D	20E	20F
0	 20D0	 20E0	 20F0
1	 20D1	 20E1	
2	 20D2	 20E2	
3	 20D3	 20E3	
4	 20D4	 20E4	
5	 20D5	 20E5	
6	 20D6	 20E6	
7	 20D7	 20E7	
8	 20D8	 20E8	
9	 20D9	 20E9	
A	 20DA	 20EA	
B	 20DB	 20EB	
C	 20DC	 20EC	
D	 20DD	 20ED	
E	 20DE	 20EE	
F	 20DF	 20EF	

Combining diacritical marks for symbols

20D0	⌘	COMBINING LEFT HARPOON ABOVE
20D1	⌞	COMBINING RIGHT HARPOON ABOVE • vector
20D2	‡	COMBINING LONG VERTICAL LINE OVERLAY • negation
20D3	‡	COMBINING SHORT VERTICAL LINE OVERLAY • occasional variant for negation
20D4	↻	COMBINING ANTICLOCKWISE ARROW ABOVE
20D5	↻	COMBINING CLOCKWISE ARROW ABOVE • rotation
20D6	↶	COMBINING LEFT ARROW ABOVE
20D7	↷	COMBINING RIGHT ARROW ABOVE • vector
20D8	⊙	COMBINING RING OVERLAY
20D9	⊚	COMBINING CLOCKWISE RING OVERLAY
20DA	⊛	COMBINING ANTICLOCKWISE RING OVERLAY
20DB	⋯	COMBINING THREE DOTS ABOVE = third derivative
20DC	⋰	COMBINING FOUR DOTS ABOVE = fourth derivative

Enclosing diacritics

20DD	⊙	COMBINING ENCLOSING CIRCLE = JIS composition circle = Cyrillic combining ten thousands sign → 25CB ○ white circle → 25EF ○ large circle → 3007 ○ ideographic number zero
20DE	⊠	COMBINING ENCLOSING SQUARE → 25A1 □ white square
20DF	⊠	COMBINING ENCLOSING DIAMOND → 25C7 ◇ white diamond
20E0	⊘	COMBINING ENCLOSING CIRCLE BACKSLASH • prohibition

Additional diacritical mark for symbols

20E1	⌞	COMBINING LEFT RIGHT ARROW ABOVE • tensor
------	---	--

Additional enclosing diacritics

20E2	⊠	COMBINING ENCLOSING SCREEN → 239A ☒ clear screen symbol
20E3	⊠	COMBINING ENCLOSING KEYCAP
20E4	⊠	COMBINING ENCLOSING UPWARD POINTING TRIANGLE → 25B3 △ white up-pointing triangle

Additional diacritical marks for symbols

20E5	↵	COMBINING REVERSE SOLIDUS OVERLAY → 005C \ reverse solidus
20E6	‡	COMBINING DOUBLE VERTICAL STROKE OVERLAY = z notation finite function diacritic → 2016 ‖ double vertical line
20E7	↗	COMBINING ANNUITY SYMBOL = actuarial bend → 2309 1 right ceiling
20E8	⋮	COMBINING TRIPLE UNDERDOT
20E9	⋮	COMBINING WIDE BRIDGE ABOVE = contraction operator • extends the full width of the base character → 0346 ⋮ combining bridge above
20EA	↶	COMBINING LEFTWARDS ARROW OVERLAY → 2190 ← leftwards arrow

20EB	≡	COMBINING LONG DOUBLE SOLIDUS OVERLAY = long double slash overlay
20EC	⌞	COMBINING RIGHTWARDS HARPOON WITH BARB DOWNWARDS
20ED	⌞	COMBINING LEFTWARDS HARPOON WITH BARB DOWNWARDS
20EE	↵	COMBINING LEFT ARROW BELOW
20EF	↵	COMBINING RIGHT ARROW BELOW
20F0	∗	COMBINING ASTERISK ABOVE

	210	211	212	213	214
0	<i>a/c</i> 2100	<i>J</i> 2110	SM 2120	<i>E</i> 2130	Σ 2140
1	<i>a/s</i> 2101	<i>J</i> 2111	TEL 2121	<i>F</i> 2131	\mathcal{G} 2141
2	\mathcal{C} 2102	<i>L</i> 2112	TM 2122	\mathcal{H} 2132	\mathcal{T} 2142
3	$^{\circ}\text{C}$ 2103	<i>l</i> 2113	Ψ 2123	<i>M</i> 2133	\mathcal{J} 2143
4	¢ 2104	₣ 2114	\mathcal{Z} 2124	<i>e</i> 2134	\mathcal{A} 2144
5	% 2105	\mathcal{N} 2115	\mathcal{Z} 2125	\mathcal{N} 2135	\mathcal{D} 2145
6	<i>c/u</i> 2106	No 2116	Ω 2126	\mathcal{C} 2136	<i>d</i> 2146
7	₰ 2107	₤ 2117	₶ 2127	\mathcal{L} 2137	<i>e</i> 2147
8	₯ 2108	₷ 2118	\mathcal{Z} 2128	\mathcal{T} 2138	<i>i</i> 2148
9	$^{\circ}\text{F}$ 2109	₸ 2119	\mathcal{I} 2129	i 2139	<i>j</i> 2149
A	<i>g</i> 210A	₹ 211A	\mathcal{K} 212A	₺ 213A	₻ 214A
B	<i>H</i> 210B	<i>R</i> 211B	Å 212B	FAX 213B	₼ 214B
C	₽ 210C	₾ 211C	\mathcal{B} 212C	\mathcal{M} 213C	₿ 214C
D	₾ 210D	₿ 211D	€ 212D	\mathcal{Y} 213D	₺ 214D
E	<i>h</i> 210E	₺ 211E	<i>e</i> 212E	₻ 213E	\mathcal{H} 214E
F	<i>h</i> 210F	₺ 211F	<i>e</i> 212F	₻ 213F	₼ 214F

Letterlike symbols

Some of the letterlike symbols are intended to complete the set of mathematical alphanumeric symbols starting at U+1D400.

2100	‰	ACCOUNT OF ≈ 0061 a 002F / 0063 c	2114	£	L B BAR SYMBOL = pounds → 0023 # number sign
2101	‱	ADDRESSED TO THE SUBJECT → 214D ‱ aktieselskab ≈ 0061 a 002F / 0073 s	2115	ℕ	DOUBLE-STRUCK CAPITAL N = natural number • a glyph variant with doubled vertical strokes exists ≈ 004E N latin capital letter n
2102	ℂ	DOUBLE-STRUCK CAPITAL C = the set of complex numbers ≈ 0043 C latin capital letter c	2116	№	NUMERO SIGN ≈ 004E N 006F o
2103	°C	DEGREE CELSIUS = degrees Centigrade ≈ 00B0 ° 0043 C	2117	©	SOUND RECORDING COPYRIGHT = published = phonorecord sign → 00A9 © copyright sign → 24C5 Ⓟ circled latin capital letter p
2104	¢	CENTRE LINE SYMBOL = clone	2118	℘	SCRIPT CAPITAL P = Weierstrass elliptic function • actually this has the form of a lowercase calligraphic p, despite its name
2105	‰	CARE OF ≈ 0063 c 002F / 006F o	2119	ℙ	DOUBLE-STRUCK CAPITAL P ≈ 0050 P latin capital letter p
2106	‰	CADA UNA ≈ 0063 c 002F / 0075 u	211A	ℚ	DOUBLE-STRUCK CAPITAL Q = the set of rational numbers ≈ 0051 Q latin capital letter q
2107	ℰ	EULER CONSTANT → 0045 E latin capital letter e ≈ 0190 E latin capital letter open e	211B	℞	SCRIPT CAPITAL R = Riemann Integral ≈ 0052 R latin capital letter r
2108	Ⓢ	SCRUPLE	211C	℞	BLACK-LETTER CAPITAL R = real part ≈ 0052 R latin capital letter r
2109	°F	DEGREE FAHRENHEIT ≈ 00B0 ° 0046 F	211D	℞	DOUBLE-STRUCK CAPITAL R = the set of real numbers ≈ 0052 R latin capital letter r
210A	ƒ	SCRIPT SMALL G = real number symbol ≈ 0067 g latin small letter g	211E	℞	PRESCRIPTION TAKE = recipe = cross ratio
210B	ℋ	SCRIPT CAPITAL H = Hamiltonian operator ≈ 0048 H latin capital letter h	211F	℞	RESPONSE
210C	ℋ	BLACK-LETTER CAPITAL H = Hilbert space ≈ 0048 H latin capital letter h	2120	SM	SERVICE MARK ≈ <sup> 0053 S 004D M
210D	ℋ	DOUBLE-STRUCK CAPITAL H ≈ 0048 H latin capital letter h	2121	TEL	TELEPHONE SIGN • typical forms for this symbol may use lower case, small caps or superscripted letter shapes → 260E ☎ black telephone → 2706 📍 telephone location sign → 1F4DE 📞 telephone receiver ≈ 0054 T 0045 E 004C L
210E	h	PLANCK CONSTANT = height, specific enthalpy, ... • simply a mathematical italic h; this character's name results from legacy usage ≈ 0068 h latin small letter h	2122	TM	TRADE MARK SIGN → 1F12E ™ circled wz ≈ <sup> 0054 T 004D M
210F	ћ	PLANCK CONSTANT OVER TWO PI → 045B ћ cyrillic small letter tshe ≈ 0127 h latin small letter h with stroke	2123	℣	VERSICLE
2110	ℐ	SCRIPT CAPITAL I ≈ 0049 I latin capital letter i	2124	ℤ	DOUBLE-STRUCK CAPITAL Z = the set of integers ≈ 005A Z latin capital letter z
2111	ℐ	BLACK-LETTER CAPITAL I = imaginary part ≈ 0049 I latin capital letter i	2125	℥	OUNCE SIGN → 0292 ℥ latin small letter ezh → 1F773 ⚖ alchemical symbol for half ounce
2112	ℒ	SCRIPT CAPITAL L = Laplace transform ≈ 004C L latin capital letter l	2126	Ω	OHM SIGN • SI unit of resistance, named after G. S. Ohm, German physicist • preferred representation is 03A9 Ω → 260A Ω ascending node ≡ 03A9 Ω greek capital letter omega
2113	ℓ	SCRIPT SMALL L = mathematical symbol 'ell' = liter (traditional symbol) • despite its character name, this symbol is derived from a special italicized version of the small letter l • the SI recommended symbol for liter is 006C l or 004C L → 1D4C1 ℓ mathematical script small l ≈ 006C l latin small letter l			

- 2127 $\overline{\Omega}$ **INVERTED OHM SIGN**
= mho
• archaic unit of conductance (= the SI unit siemens)
• typographically a turned greek capital letter omega
→ 01B1 $\overline{\Omega}$ latin capital letter upsilon
→ 03A9 $\overline{\Omega}$ greek capital letter omega
→ 260B $\overline{\Omega}$ descending node
- 2128 \mathfrak{Z} **BLACK-LETTER CAPITAL Z**
≈ 005A **Z** latin capital letter z
- 2129 \mathfrak{I} **TURNED GREEK SMALL LETTER IOTA**
• unique element fulfilling a description (logic)
→ 03B9 \mathfrak{I} greek small letter iota
- 212A **K** **KELVIN SIGN**
≡ 004B **K** latin capital letter k
- 212B \AA **ANGSTROM SIGN**
• non SI length unit (=0.1 nm) named after A. J. Ångström, Swedish physicist
• preferred representation is 00C5 \AA
≡ 00C5 \AA latin capital letter a with ring above
- 212C \mathcal{B} **SCRIPT CAPITAL B**
= Bernoulli function
≈ 0042 **B** latin capital letter b
- 212D \mathfrak{C} **BLACK-LETTER CAPITAL C**
≈ 0043 **C** latin capital letter c
- 212E **e** **ESTIMATED SYMBOL**
• used in European packaging
→ 0065 **e** latin small letter e
- 212F **e** **SCRIPT SMALL E**
= error
= natural exponent
≈ 0065 **e** latin small letter e
- 2130 \mathcal{E} **SCRIPT CAPITAL E**
= emf (electromotive force)
≈ 0045 **E** latin capital letter e
- 2131 \mathcal{F} **SCRIPT CAPITAL F**
= Fourier transform
≈ 0046 **F** latin capital letter f
- 2132 \mathfrak{H} **TURNED CAPITAL F**
= Claudian digamma inversum
• lowercase is 214E \mathfrak{h}
→ 0046 **F** latin capital letter f
→ 03DC **F** greek letter digamma
- 2133 \mathcal{M} **SCRIPT CAPITAL M**
= M-matrix (physics)
= German Mark currency symbol, before WWII
• when used for the Mark symbol, the range of glyph variation is restricted
≈ 004D **M** latin capital letter m
- 2134 **o** **SCRIPT SMALL O**
= order, of inferior order to
≈ 006F **o** latin small letter o

Hebrew letterlike math symbols*These are left-to-right characters.*

- 2135 \aleph **ALEF SYMBOL**
= first transfinite cardinal (countable)
≈ 05D0 \aleph hebrew letter alef
- 2136 \beth **BET SYMBOL**
= second transfinite cardinal (the continuum)
≈ 05D1 \beth hebrew letter bet

- 2137 \aleph_3 **GIMEL SYMBOL**
= third transfinite cardinal (functions of a real variable)
≈ 05D2 \aleph_3 hebrew letter gimel
- 2138 \daleth **DALET SYMBOL**
= fourth transfinite cardinal
≈ 05D3 \daleth hebrew letter dalet

Additional letterlike symbols

- 2139 **i** **INFORMATION SOURCE**
• intended for use with 20DD $\text{\textcircled{C}}$
≈ 0069 **i** latin small letter i
- 213A \mathcal{Q} **ROTATED CAPITAL Q**
• a binding signature mark
- 213B $\text{\textcircled{F}}$ **FACSIMILE SIGN**
• typical forms for this symbol may use lower case, small caps or superscripted letter shapes
→ 2121 $\text{\textcircled{TEL}}$ telephone sign
→ 1F4E0 $\text{\textcircled{F}}$ fax machine
≈ 0046 **F** 0041 **A** 0058 **X**
- 213C $\mathfrak{\pi}$ **DOUBLE-STRUCK SMALL PI**
≈ 03C0 $\mathfrak{\pi}$ greek small letter pi
- 213D $\mathfrak{\gamma}$ **DOUBLE-STRUCK SMALL GAMMA**
≈ 03B3 $\mathfrak{\gamma}$ greek small letter gamma
- 213E $\mathfrak{\Gamma}$ **DOUBLE-STRUCK CAPITAL GAMMA**
≈ 0393 $\mathfrak{\Gamma}$ greek capital letter gamma
- 213F $\mathfrak{\Pi}$ **DOUBLE-STRUCK CAPITAL PI**
≈ 03A0 $\mathfrak{\Pi}$ greek capital letter pi

Double-struck large operator

- 2140 $\mathfrak{\Sigma}$ **DOUBLE-STRUCK N-ARY SUMMATION**
≈ 2211 $\mathfrak{\Sigma}$ n-ary summation

Additional letterlike symbols

- 2141 \mathfrak{G} **TURNED SANS-SERIF CAPITAL G**
= game
- 2142 \mathfrak{T} **TURNED SANS-SERIF CAPITAL L**
- 2143 \mathfrak{J} **REVERSED SANS-SERIF CAPITAL L**
- 2144 \mathfrak{Y} **TURNED SANS-SERIF CAPITAL Y**

Double-struck italic math symbols*These stylized mathematical symbols are used in some documents to distinguish special mathematical usages from ordinary variables.*

- 2145 \mathfrak{D} **DOUBLE-STRUCK ITALIC CAPITAL D**
• sometimes used for the differential
≈ 0044 **D** latin capital letter d
- 2146 \mathfrak{d} **DOUBLE-STRUCK ITALIC SMALL D**
• sometimes used for the differential
≈ 0064 **d** latin small letter d
- 2147 \mathfrak{e} **DOUBLE-STRUCK ITALIC SMALL E**
• sometimes used for the natural exponent
≈ 0065 **e** latin small letter e
- 2148 \mathfrak{i} **DOUBLE-STRUCK ITALIC SMALL I**
• sometimes used for the imaginary unit
≈ 0069 **i** latin small letter i
- 2149 \mathfrak{j} **DOUBLE-STRUCK ITALIC SMALL J**
• sometimes used for the imaginary unit
≈ 006A **j** latin small letter j

Additional letterlike symbols

- 214A \mathfrak{P} **PROPERTY LINE**
- 214B \mathfrak{A} **TURNED AMPERSAND**
• used in linear logic
→ 0026 **&** ampersand

- 214C ꝑ PER SIGN
 • abbreviates the word 'per'
- 214D ꝑs AKTIESELSKAB
 → 2101 ꝑs addressed to the subject

Lowercase Claudian letter

Claudian letters in inscriptions are uppercase, but may be transcribed by scholars in lowercase.

- 214E ꝑ TURNED SMALL F
 • uppercase is 2132 ꝑ
 → 03DD ꝑ greek small letter digamma

Biblical editorial symbol

- 214F ꝑꝑꝑ SYMBOL FOR SAMARITAN SOURCE

	215	216	217	218
0	$\frac{1}{7}$ 2150	I 2160	i 2170	Ⓞ 2180
1	$\frac{1}{9}$ 2151	II 2161	ii 2171	Ⓓ 2181
2	$\frac{1}{10}$ 2152	III 2162	iii 2172	Ⓞ 2182
3	$\frac{1}{3}$ 2153	IV 2163	iv 2173	Ⓞ 2183
4	$\frac{2}{3}$ 2154	V 2164	v 2174	Ⓞ 2184
5	$\frac{1}{5}$ 2155	VI 2165	vi 2175	Ⓒ 2185
6	$\frac{2}{5}$ 2156	VII 2166	vii 2176	↓ 2186
7	$\frac{3}{5}$ 2157	VIII 2167	viii 2177	Ⓓ 2187
8	$\frac{4}{5}$ 2158	IX 2168	ix 2178	Ⓞ 2188
9	$\frac{1}{6}$ 2159	X 2169	x 2179	$\frac{0}{3}$ 2189
A	$\frac{5}{6}$ 215A	XI 216A	xi 217A	
B	$\frac{1}{8}$ 215B	XII 216B	xii 217B	
C	$\frac{3}{8}$ 215C	L 216C	l 217C	
D	$\frac{5}{8}$ 215D	C 216D	c 217D	
E	$\frac{7}{8}$ 215E	D 216E	d 217E	
F	$\frac{1}{}$ 215F	M 216F	m 217F	

Fractions

Other fraction number forms are found in the Latin-1 Supplement block.

		→ 00BC ¼ vulgar fraction one quarter
		→ 00BD ½ vulgar fraction one half
		→ 00BE ¾ vulgar fraction three quarters
2150	⅙	VULGAR FRACTION ONE SEVENTH ≈ <fraction> 0031 1 2044/ 0037 7
2151	⅙	VULGAR FRACTION ONE NINTH ≈ <fraction> 0031 1 2044/ 0039 9
2152	⅒	VULGAR FRACTION ONE TENTH ≈ <fraction> 0031 1 2044/ 0031 1 0030 0
2153	⅓	VULGAR FRACTION ONE THIRD ≈ <fraction> 0031 1 2044/ 0033 3
2154	⅔	VULGAR FRACTION TWO THIRDS ≈ <fraction> 0032 2 2044/ 0033 3
2155	⅕	VULGAR FRACTION ONE FIFTH ≈ <fraction> 0031 1 2044/ 0035 5
2156	⅔	VULGAR FRACTION TWO FIFTHS ≈ <fraction> 0032 2 2044/ 0035 5
2157	⅔	VULGAR FRACTION THREE FIFTHS ≈ <fraction> 0033 3 2044/ 0035 5
2158	⅘	VULGAR FRACTION FOUR FIFTHS ≈ <fraction> 0034 4 2044/ 0035 5
2159	⅙	VULGAR FRACTION ONE SIXTH ≈ <fraction> 0031 1 2044/ 0036 6
215A	⅔	VULGAR FRACTION FIVE SIXTHS ≈ <fraction> 0035 5 2044/ 0036 6
215B	⅙	VULGAR FRACTION ONE EIGHTH ≈ <fraction> 0031 1 2044/ 0038 8
215C	⅔	VULGAR FRACTION THREE EIGHTHS ≈ <fraction> 0033 3 2044/ 0038 8
215D	⅔	VULGAR FRACTION FIVE EIGHTHS ≈ <fraction> 0035 5 2044/ 0038 8
215E	⅔	VULGAR FRACTION SEVEN EIGHTHS ≈ <fraction> 0037 7 2044/ 0038 8
215F	⅙	FRACTION NUMERATOR ONE ≈ <fraction> 0031 1 2044/

Roman numerals

2160	I	ROMAN NUMERAL ONE ≈ 0049 I latin capital letter i
2161	II	ROMAN NUMERAL TWO ≈ 0049 I 0049 I
2162	III	ROMAN NUMERAL THREE ≈ 0049 I 0049 I 0049 I
2163	IV	ROMAN NUMERAL FOUR ≈ 0049 I 0056 V
2164	V	ROMAN NUMERAL FIVE ≈ 0056 V latin capital letter v
2165	VI	ROMAN NUMERAL SIX ≈ 0056 V 0049 I
2166	VII	ROMAN NUMERAL SEVEN ≈ 0056 V 0049 I 0049 I
2167	VIII	ROMAN NUMERAL EIGHT ≈ 0056 V 0049 I 0049 I 0049 I
2168	IX	ROMAN NUMERAL NINE ≈ 0049 I 0058 X
2169	X	ROMAN NUMERAL TEN ≈ 0058 X latin capital letter x
216A	XI	ROMAN NUMERAL ELEVEN ≈ 0058 X 0049 I

216B	XII	ROMAN NUMERAL TWELVE ≈ 0058 X 0049 I 0049 I
216C	L	ROMAN NUMERAL FIFTY ≈ 004C L latin capital letter l
216D	C	ROMAN NUMERAL ONE HUNDRED ≈ 0043 C latin capital letter c
216E	D	ROMAN NUMERAL FIVE HUNDRED ≈ 0044 D latin capital letter d
216F	M	ROMAN NUMERAL ONE THOUSAND ≈ 004D M latin capital letter m
2170	i	SMALL ROMAN NUMERAL ONE ≈ 0069 i latin small letter i
2171	ii	SMALL ROMAN NUMERAL TWO ≈ 0069 i 0069 i
2172	iii	SMALL ROMAN NUMERAL THREE ≈ 0069 i 0069 i 0069 i
2173	iv	SMALL ROMAN NUMERAL FOUR ≈ 0069 i 0076 v
2174	v	SMALL ROMAN NUMERAL FIVE ≈ 0076 v latin small letter v
2175	vi	SMALL ROMAN NUMERAL SIX ≈ 0076 v 0069 i
2176	vii	SMALL ROMAN NUMERAL SEVEN ≈ 0076 v 0069 i 0069 i
2177	viii	SMALL ROMAN NUMERAL EIGHT ≈ 0076 v 0069 i 0069 i 0069 i
2178	ix	SMALL ROMAN NUMERAL NINE ≈ 0069 i 0078 x
2179	x	SMALL ROMAN NUMERAL TEN ≈ 0078 x latin small letter x
217A	xi	SMALL ROMAN NUMERAL ELEVEN ≈ 0078 x 0069 i
217B	xii	SMALL ROMAN NUMERAL TWELVE ≈ 0078 x 0069 i 0069 i
217C	l	SMALL ROMAN NUMERAL FIFTY ≈ 006C l latin small letter l
217D	c	SMALL ROMAN NUMERAL ONE HUNDRED ≈ 0063 c latin small letter c
217E	d	SMALL ROMAN NUMERAL FIVE HUNDRED ≈ 0064 d latin small letter d
217F	m	SMALL ROMAN NUMERAL ONE THOUSAND ≈ 006D m latin small letter m

Archaic Roman numerals

2180	ↀ	ROMAN NUMERAL ONE THOUSAND C D
2181	ↁ	ROMAN NUMERAL FIVE THOUSAND
2182	ↂ	ROMAN NUMERAL TEN THOUSAND
2183	Ↄ	ROMAN NUMERAL REVERSED ONE HUNDRED = apostrophic C = Claudian antisigma • used in combination with C and I to form large numbers • lowercase is 2184 ↄ → 03FD Ↄ greek capital reversed lunate sigma symbol

Lowercase Claudian letter

Claudian letters in inscriptions are uppercase, but may be transcribed by scholars in lowercase.

















































































































2184	ↄ	LATIN SMALL LETTER REVERSED C → 037B ↄ greek small reversed lunate sigma symbol
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Archaic Roman numerals

- 2185 𐌆 ROMAN NUMERAL SIX LATE FORM
→ 03DA 𐌆 greek letter stigma
- 2186 𐌇 ROMAN NUMERAL FIFTY EARLY FORM
→ 16CE 𐌇 runic letter z
→ 2193 𐌇 downwards arrow
- 2187 𐌈 ROMAN NUMERAL FIFTY THOUSAND
- 2188 𐌉 ROMAN NUMERAL ONE HUNDRED THOUSAND

Fraction

- 2189 ⅓ VULGAR FRACTION ZERO THIRDS
• used in baseball scoring, from ARIB STD B24
≈ <fraction> 0030 0 2044/ 0033 3

	219	21A	21B	21C	21D	21E	21F
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF

Simple arrows

2190	←	LEFTWARDS ARROW → 20EA ⇌ combining leftwards arrow overlay
2191	↑	UPWARDS ARROW • IPA: egressive airflow
2192	→	RIGHTWARDS ARROW = z notation total function
2193	↓	DOWNWARDS ARROW • IPA: ingressive airflow
2194	↔	LEFT RIGHT ARROW = z notation relation
2195	↕	UP DOWN ARROW
2196	↖	NORTH WEST ARROW
2197	↗	NORTH EAST ARROW
2198	↘	SOUTH EAST ARROW
2199	↙	SOUTH WEST ARROW

Arrows with modifications

219A	↔	LEFTWARDS ARROW WITH STROKE • negation of 2190 ← ≡ 2190 ← 0338 ⚭
219B	↔	RIGHTWARDS ARROW WITH STROKE • negation of 2192 → ≡ 2192 → 0338 ⚭
219C	↔	LEFTWARDS WAVE ARROW → 2B3F ↔ wave arrow pointing directly left
219D	↔	RIGHTWARDS WAVE ARROW
219E	↔	LEFTWARDS TWO HEADED ARROW = fast cursor left
219F	↔	UPWARDS TWO HEADED ARROW = fast cursor up
21A0	↔	RIGHTWARDS TWO HEADED ARROW = z notation total surjection = fast cursor right
21A1	↔	DOWNWARDS TWO HEADED ARROW = form feed = fast cursor down
21A2	↔	LEFTWARDS ARROW WITH TAIL
21A3	↔	RIGHTWARDS ARROW WITH TAIL = z notation total injection
21A4	↔	LEFTWARDS ARROW FROM BAR
21A5	↔	UPWARDS ARROW FROM BAR
21A6	↔	RIGHTWARDS ARROW FROM BAR = z notation maplet
21A7	↔	DOWNWARDS ARROW FROM BAR = depth symbol
21A8	↔	UP DOWN ARROW WITH BASE
21A9	↔	LEFTWARDS ARROW WITH HOOK
21AA	↔	RIGHTWARDS ARROW WITH HOOK
21AB	↔	LEFTWARDS ARROW WITH LOOP
21AC	↔	RIGHTWARDS ARROW WITH LOOP
21AD	↔	LEFT RIGHT WAVE ARROW
21AE	↔	LEFT RIGHT ARROW WITH STROKE • negation of 2194 ↔ ≡ 2194 ↔ 0338 ⚭
21AF	↔	DOWNWARDS ZIGZAG ARROW = electrolysis

Arrows with bent tips

Other arrows with bent tips to complete this set can be found in the *Miscellaneous Symbols and Arrows* block.

21B0	↖	UPWARDS ARROW WITH TIP LEFTWARDS
21B1	↗	UPWARDS ARROW WITH TIP RIGHTWARDS
21B2	↘	DOWNWARDS ARROW WITH TIP LEFTWARDS

21B3	↘	DOWNWARDS ARROW WITH TIP RIGHTWARDS
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Keyboard symbols and circle arrows

21B4	↘	RIGHTWARDS ARROW WITH CORNER DOWNWARDS = line feed
21B5	↘	DOWNWARDS ARROW WITH CORNER LEFTWARDS • may indicate a carriage return or new line → 23CE ↵ return symbol
21B6	↺	ANTICLOCKWISE TOP SEMICIRCLE ARROW
21B7	↻	CLOCKWISE TOP SEMICIRCLE ARROW
21B8	↖	NORTH WEST ARROW TO LONG BAR = home
21B9	↔	LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR = tab with shift tab
21BA	↺	ANTICLOCKWISE OPEN CIRCLE ARROW
21BB	↻	CLOCKWISE OPEN CIRCLE ARROW

Harpoons

21BC	↔	LEFTWARDS HARPOON WITH BARB UPWARDS
21BD	↔	LEFTWARDS HARPOON WITH BARB DOWNWARDS
21BE	↔	UPWARDS HARPOON WITH BARB RIGHTWARDS
21BF	↔	UPWARDS HARPOON WITH BARB LEFTWARDS
21C0	↔	RIGHTWARDS HARPOON WITH BARB UPWARDS
21C1	↔	RIGHTWARDS HARPOON WITH BARB DOWNWARDS
21C2	↔	DOWNWARDS HARPOON WITH BARB RIGHTWARDS
21C3	↔	DOWNWARDS HARPOON WITH BARB LEFTWARDS

Paired arrows and harpoons

21C4	↔	RIGHTWARDS ARROW OVER LEFTWARDS ARROW
21C5	↕	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW
21C6	↔	LEFTWARDS ARROW OVER RIGHTWARDS ARROW
21C7	↔	LEFTWARDS PAIRED ARROWS
21C8	↕	UPWARDS PAIRED ARROWS
21C9	↔	RIGHTWARDS PAIRED ARROWS
21CA	↕	DOWNWARDS PAIRED ARROWS
21CB	↔	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON
21CC	↔	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON

Double arrows

21CD	↔	LEFTWARDS DOUBLE ARROW WITH STROKE • negation of 21D0 ⇐ ≡ 21D0 ⇐ 0338 ⚭
21CE	↔	LEFT RIGHT DOUBLE ARROW WITH STROKE • negation of 21D4 ⇔ ≡ 21D4 ⇔ 0338 ⚭
21CF	↔	RIGHTWARDS DOUBLE ARROW WITH STROKE • negation of 21D2 ⇒ ≡ 21D2 ⇒ 0338 ⚭
21D0	⇐	LEFTWARDS DOUBLE ARROW
21D1	⇑	UPWARDS DOUBLE ARROW
21D2	⇒	RIGHTWARDS DOUBLE ARROW
21D3	⇓	DOWNWARDS DOUBLE ARROW

21D4	⇔	LEFT RIGHT DOUBLE ARROW	21F7	↔	LEFTWARDS ARROW WITH VERTICAL STROKE
21D5	⇕	UP DOWN DOUBLE ARROW	21F8	⇒	RIGHTWARDS ARROW WITH VERTICAL STROKE = z notation partial function
21D6	↖	NORTH WEST DOUBLE ARROW	21F9	⇔	LEFT RIGHT ARROW WITH VERTICAL STROKE = z notation partial relation
21D7	↗	NORTH EAST DOUBLE ARROW	21FA	⇕	LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE
21D8	↘	SOUTH EAST DOUBLE ARROW	21FB	⇒	RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE = z notation finite function
21D9	↙	SOUTH WEST DOUBLE ARROW	21FC	⇔	LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE = z notation finite relation
Miscellaneous arrows and keyboard symbols					
21DA	⇐	LEFTWARDS TRIPLE ARROW	21FD	←	LEFTWARDS OPEN-HEADED ARROW
21DB	⇒	RIGHTWARDS TRIPLE ARROW	21FE	→	RIGHTWARDS OPEN-HEADED ARROW
21DC	↔	LEFTWARDS SQUIGGLE ARROW → 2B33 ↔ long leftwards squiggle arrow	21FF	↔	LEFT RIGHT OPEN-HEADED ARROW
21DD	⇒	RIGHTWARDS SQUIGGLE ARROW			
21DE	⇕	UPWARDS ARROW WITH DOUBLE STROKE = page up			
21DF	⇓	DOWNWARDS ARROW WITH DOUBLE STROKE = page down			
21E0	↔	LEFTWARDS DASHED ARROW			
21E1	⇕	UPWARDS DASHED ARROW			
21E2	⇒	RIGHTWARDS DASHED ARROW			
21E3	⇓	DOWNWARDS DASHED ARROW			
21E4	↔	LEFTWARDS ARROW TO BAR = leftward tab			
21E5	→	RIGHTWARDS ARROW TO BAR = rightward tab			
White arrows and keyboard symbols					
21E6	⇐	LEFTWARDS WHITE ARROW → 2B00 ↗ north east white arrow			
21E7	⇕	UPWARDS WHITE ARROW = shift			
21E8	⇒	RIGHTWARDS WHITE ARROW			
21E9	⇓	DOWNWARDS WHITE ARROW			
21EA	⇕	UPWARDS WHITE ARROW FROM BAR = caps lock			
21EB	⇕	UPWARDS WHITE ARROW ON PEDESTAL = level 2 lock			
21EC	⇕	UPWARDS WHITE ARROW ON PEDESTAL WITH HORIZONTAL BAR = caps lock			
21ED	⇕	UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR = numerics lock			
21EE	⇕	UPWARDS WHITE DOUBLE ARROW = level 3 select			
21EF	⇕	UPWARDS WHITE DOUBLE ARROW ON PEDESTAL = level 3 lock			
21F0	⇒	RIGHTWARDS WHITE ARROW FROM WALL = group lock			
21F1	↖	NORTH WEST ARROW TO CORNER = home			
21F2	↘	SOUTH EAST ARROW TO CORNER = end			
21F3	⇕	UP DOWN WHITE ARROW = scrolling → 2B04 ⇔ left right white arrow			
Miscellaneous arrows					
21F4	⇒	RIGHT ARROW WITH SMALL CIRCLE → 2B30 ⇐ left arrow with small circle			
21F5	⇓	DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW			
21F6	⇐	THREE RIGHTWARDS ARROWS → 2B31 ⇐ three leftwards arrows			

	220	221	222	223	224	225	226	227	228	229	22A	22B	22C	22D	22E	22F
0	∇ 2200	\sqcup 2210	\sphericalangle 2220	\mathfrak{F} 2230	\wr 2240	\doteq 2250	\neq 2260	\nlessdot 2270	\nlessgtr 2280	\sqsupset 2290	\boxtimes 22A0	\wp 22B0	\wedge 22C0	\subseteq 22D0	\nlessdot 22E0	$\cdot\cdot\cdot$ 22F0
1	\complement 2201	Σ 2211	Δ 2221	\mathfrak{f} 2231	\nlessdot 2241	\doteq 2251	\equiv 2261	\nlessdot 2271	\nlessgtr 2281	\sqsupseteq 2291	\square 22A1	\wp 22B1	\vee 22C1	\supset 22D1	\nlessdot 22E1	$\cdot\cdot\cdot$ 22F1
2	∂ 2202	$-$ 2212	\nlessdot 2222	\mathfrak{f} 2232	\approx 2242	\doteq 2252	\neq 2262	\nlessdot 2272	\subset 2282	\sqsupseteq 2292	\top 22A2	Δ 22B2	\cap 22C2	\supseteq 22D2	\nlessdot 22E2	\in 22F2
3	\exists 2203	\mp 2213	$|$ 2223	\mathfrak{f} 2233	\approx 2243	\doteq 2253	\equiv 2263	\nlessdot 2273	\supset 2283	\sqsupset 2293	\top 22A3	∇ 22B3	\cup 22C3	\supseteq 22D3	\nlessdot 22E3	\in 22F3
4	\nlessdot 2204	\dagger 2214	\dagger 2224	$\cdot\cdot\cdot$ 2234	\nlessdot 2244	\doteq 2254	\leq 2264	\nlessdot 2274	\nlessgtr 2284	\sqsupset 2294	\top 22A4	∇ 22B4	\diamond 22C4	\supset 22D4	\sqsupset 22E4	\in 22F4
5	\emptyset 2205	$/$ 2215	\parallel 2225	$\cdot\cdot\cdot$ 2235	\approx 2245	\doteq 2255	\geq 2265	\nlessdot 2275	\nlessgtr 2285	\oplus 2295	\perp 22A5	∇ 22B5	\cdot 22C5	$\#$ 22D5	\sqsupset 22E5	\in 22F5
6	Δ 2206	\backslash 2216	\nlessdot 2226	\cdot 2236	\nlessdot 2246	\mathfrak{H} 2256	\equiv 2266	\nlessdot 2276	\subset 2286	\ominus 2296	\top 22A6	\circ 22B6	\star 22C6	∇ 22D6	\nlessdot 22E6	\in 22F6
7	∇ 2207	$*$ 2217	\wedge 2227	$\cdot\cdot\cdot$ 2237	\nlessdot 2247	\doteq 2257	\equiv 2267	\nlessdot 2277	\supset 2287	\otimes 2297	\mathfrak{F} 22A7	\circ 22B7	$*$ 22C7	∇ 22D7	\nlessdot 22E7	\in 22F7
8	\in 2208	\circ 2218	\vee 2228	\cdot 2238	\approx 2248	\doteq 2258	\nlessdot 2268	\nlessdot 2278	\nlessgtr 2288	\ominus 2298	\mathfrak{F} 22A8	\circ 22B8	\boxtimes 22C8	\lll 22D8	\nlessdot 22E8	\in 22F8
9	\nlessdot 2209	\cdot 2219	\cap 2229	$\cdot\cdot\cdot$ 2239	\nlessdot 2249	\doteq 2259	\nlessdot 2269	\nlessdot 2279	\nlessgtr 2289	\odot 2299	\mathfrak{F} 22A9	\dagger 22B9	\boxtimes 22C9	\ggg 22D9	\nlessdot 22E9	\in 22F9
A	\in 220A	$\sqrt{\quad}$ 221A	\cup 222A	$\cdot\cdot\cdot$ 223A	\approx 224A	\doteq 225A	\lll 226A	\nlessdot 227A	\subset 228A	\odot 229A	\mathfrak{F} 22AA	\top 22BA	\boxtimes 22CA	∇ 22DA	\nlessdot 22EA	\in 22FA
B	\supset 220B	$\sqrt[3]{\quad}$ 221B	\int 222B	\cdot 223B	\approx 224B	\doteq 225B	\ggg 226B	\nlessdot 227B	\supset 228B	\otimes 229B	\mathfrak{F} 22AB	∇ 22BB	∇ 22CB	∇ 22DB	\nlessdot 22EB	\in 22FB
C	\nlessdot 220C	$\sqrt[4]{\quad}$ 221C	\iint 222C	\sim 223C	\equiv 224C	\doteq 225C	\nlessdot 226C	\nlessdot 227C	\supset 228C	\ominus 229C	\nlessdot 22AC	∇ 22BC	∇ 22CC	∇ 22DC	\nlessdot 22EC	\in 22FC
D	\supset 220D	∞ 221D	\iiint 222D	\sim 223D	\nlessdot 224D	\doteq 225D	\nlessdot 226D	\nlessdot 227D	\supset 228D	\ominus 229D	\neq 22AD	∇ 22BD	\nlessdot 22CD	∇ 22DD	\nlessdot 22ED	\in 22FD
E	\blacksquare 220E	∞ 221E	\mathfrak{f} 222E	\sim 223E	\nlessdot 224E	\doteq 225E	\nlessdot 226E	\nlessdot 227E	\supset 228E	\boxplus 229E	\nlessdot 22AE	∇ 22BE	∇ 22CE	∇ 22DE	$\cdot\cdot\cdot$ 22EE	\in 22FE
F	\prod 220F	\perp 221F	\mathfrak{F} 222F	\sim 223F	\nlessdot 224F	\doteq 225F	\nlessdot 226F	\nlessdot 227F	\sqsupset 228F	\boxplus 229F	\nlessdot 22AF	∇ 22BF	\wedge 22CF	∇ 22DF	$\cdot\cdot\cdot$ 22EF	\in 22FF

Miscellaneous mathematical symbols

- 2200 \forall FOR ALL
= universal quantifier
- 2201 \complement COMPLEMENT
→ 0297 \complement latin letter stretched c
- 2202 ∂ PARTIAL DIFFERENTIAL
- 2203 \exists THERE EXISTS
= existential quantifier
- 2204 \nexists THERE DOES NOT EXIST
≡ 2203 \exists 0338 $\not\exists$
- 2205 \emptyset EMPTY SET
= null set
• used in linguistics to indicate a null morpheme or phonological “zero”
→ 00D8 \emptyset latin capital letter o with stroke
→ 2300 \emptyset diameter sign
- 2206 Δ INCREMENT
= Laplace operator
= forward difference
= symmetric difference (in set theory)
• other symbols may also be used for symmetric difference
→ 0394 Δ greek capital letter delta
→ 25B3 Δ white up-pointing triangle
- 2207 ∇ NABLA
= backward difference
= gradient, del
• used for Laplacian operator (written with superscript 2)
→ 25BD ∇ white down-pointing triangle

Set membership

- 2208 \in ELEMENT OF
- 2209 \notin NOT AN ELEMENT OF
≡ 2208 \in 0338 $\not\in$
- 220A ϵ SMALL ELEMENT OF
• originates in math pi fonts; not the straight epsilon
→ 03F5 ϵ greek lunate epsilon symbol
- 220B \ni CONTAINS AS MEMBER
= such that
- 220C $\not\ni$ DOES NOT CONTAIN AS MEMBER
≡ 220B \ni 0338 $\not\ni$
- 220D \ni SMALL CONTAINS AS MEMBER
→ 03F6 \ni greek reversed lunate epsilon symbol

Miscellaneous mathematical symbol

- 220E \blacksquare END OF PROOF
= q.e.d.
→ 2023 \blacktriangleright triangular bullet
→ 25AE \blacksquare black vertical rectangle

N-ary operators

- 220F \prod N-ARY PRODUCT
= product sign
→ 03A0 \prod greek capital letter pi
- 2210 \coprod N-ARY COPRODUCT
= coproduct sign
- 2211 \sum N-ARY SUMMATION
= summation sign
→ 03A3 Σ greek capital letter sigma
→ 2140 Σ double-struck n-ary summation

Operators

- 2212 $-$ MINUS SIGN
→ 002D $-$ hyphen-minus
→ 2796 — heavy minus sign
- 2213 \mp MINUS-OR-PLUS SIGN
→ 00B1 \pm plus-minus sign
- 2214 $\dot{+}$ DOT PLUS
- 2215 $/$ DIVISION SLASH
• generic division operator
→ 002F $/$ solidus
→ 2044 $/$ fraction slash
- 2216 \setminus SET MINUS
→ 005C \setminus reverse solidus
- 2217 $*$ ASTERISK OPERATOR
→ 002A $*$ asterisk
- 2218 \circ RING OPERATOR
= composite function
= APL jot
→ 00B0 $^\circ$ degree sign
→ 0970 $^\circ$ devanagari abbreviation sign
→ 25E6 \bullet white bullet
→ 10B39 $^\circ$ avestan abbreviation mark
- 2219 \cdot BULLET OPERATOR
→ 00B7 \cdot middle dot
→ 2022 \bullet bullet
→ 2024 \cdot one dot leader
- 221A \surd SQUARE ROOT
= radical sign
→ 2713 \checkmark check mark
- 221B $\sqrt[3]{}$ CUBE ROOT
→ 0606 $\sqrt[3]{}$ arabic-indic cube root
- 221C $\sqrt[4]{}$ FOURTH ROOT
→ 0607 $\sqrt[4]{}$ arabic-indic fourth root
- 221D \propto PROPORTIONAL TO
→ 03B1 α greek small letter alpha

Miscellaneous mathematical symbols

- 221E ∞ INFINITY
- 221F \perp RIGHT ANGLE
- 2220 \sphericalangle ANGLE
- 2221 \sphericalangle MEASURED ANGLE
- 2222 \sphericalangle SPHERICAL ANGLE
= angle arc

Operators

- 2223 $|$ DIVIDES
= such that
= APL stile
→ 007C $|$ vertical line
→ 01C0 $|$ latin letter dental click
- 2224 \nmid DOES NOT DIVIDE
≡ 2223 $|$ 0338 $\not\mid$
- 2225 \parallel PARALLEL TO
→ 01C1 \parallel latin letter lateral click
→ 2016 \parallel double vertical line
- 2226 \nparallel NOT PARALLEL TO
≡ 2225 \parallel 0338 $\not\parallel$

Logical and set operators

- 2227 \wedge LOGICAL AND
= wedge, conjunction
→ 22C0 \wedge n-ary logical and
→ 2303 \wedge up arrowhead

2228 \vee LOGICAL OR
= vee, disjunction
→ 22C1 \vee n-ary logical or
→ 2304 \vee down arrowhead

2229 \cap INTERSECTION
= cap, hat
→ 22C2 \cap n-ary intersection

222A \cup UNION
= cup
→ 22C3 \cup n-ary union

Integrals

222B \int INTEGRAL
→ 0283 \int latin small letter esh

222C \iint DOUBLE INTEGRAL
 \approx 222B \int 222B \int

222D \iiint TRIPLE INTEGRAL
→ 2A0C \iiint quadruple integral operator
 \approx 222B \int 222B \int 222B \int

222E \oint CONTOUR INTEGRAL
→ 2A15 \oint integral around a point operator

222F \oiint SURFACE INTEGRAL
 \approx 222E \oint 222E \oint

2230 \iiint VOLUME INTEGRAL
 \approx 222E \oint 222E \oint 222E \oint

2231 \int CLOCKWISE INTEGRAL

2232 \oint CLOCKWISE CONTOUR INTEGRAL

2233 \oint ANTICLOCKWISE CONTOUR INTEGRAL
• clockwise or anticlockwise arrows do not reverse during layout mirroring

Miscellaneous mathematical symbols

2234 \therefore THEREFORE
→ 26EC \therefore historic site

2235 \because BECAUSE

Relations

2236 $:$ RATIO
→ 003A $:$ colon

2237 $::$ PROPORTION

Operator

2238 $\dot{-}$ DOT MINUS
= saturating subtraction
• sometimes claimed as notation for symmetric set difference, but 2206 Δ is preferred

Relation

2239 $-:$ EXCESS

Operator

223A \cong GEOMETRIC PROPORTION

Relations

223B \simeq HOMOTHETIC
→ 2A6B \simeq tilde operator with rising dots

223C \sim TILDE OPERATOR
= varies with (proportional to)
= difference between
= similar to
= not
= cycle
= APL tilde
→ 007E \sim tilde
→ 00AC \rightarrow not sign
→ 02DC \sim small tilde

223D \smile REVERSED TILDE
= lazy S
• reversed tilde and lazy S are glyph variants

223E \simeq INVERTED LAZY S
= most positive

Miscellaneous mathematical symbol

223F \sim SINE WAVE
= alternating current

Operator

2240 \wr WREATH PRODUCT

Relations

2241 \napprox NOT TILDE
 \equiv 223C \sim 0338 $\not\sim$

2242 \approx MINUS TILDE

2243 \approx ASYMPTOTICALLY EQUAL TO

2244 $\not\approx$ NOT ASYMPTOTICALLY EQUAL TO
 \equiv 2243 \approx 0338 $\not\approx$

2245 \approx APPROXIMATELY EQUAL TO

2246 \approx APPROXIMATELY BUT NOT ACTUALLY EQUAL TO

2247 $\not\approx$ NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO
 \equiv 2245 \approx 0338 $\not\approx$

2248 \approx ALMOST EQUAL TO
= asymptotic to

2249 $\not\approx$ NOT ALMOST EQUAL TO
 \equiv 2248 \approx 0338 $\not\approx$

224A \approx ALMOST EQUAL OR EQUAL TO

224B \approx TRIPLE TILDE

224C \approx ALL EQUAL TO

• reversed tilde and lazy S are glyph variants

224D \approx EQUIVALENT TO

224E \approx GEOMETRICALLY EQUIVALENT TO

224F \approx DIFFERENCE BETWEEN

2250 \approx APPROACHES THE LIMIT

2251 \approx GEOMETRICALLY EQUAL TO

2252 \approx APPROXIMATELY EQUAL TO OR THE IMAGE OF
= nearly equals

2253 \approx IMAGE OF OR APPROXIMATELY EQUAL TO

2254 \approx COLON EQUALS

2255 \approx EQUALS COLON

2256 \approx RING IN EQUAL TO

2257 \approx RING EQUAL TO
= approximately equal to

2258 \approx CORRESPONDS TO

2259 \approx ESTIMATES

= corresponds to

225A \approx EQUIANGULAR TO

225B \approx STAR EQUALS

225C \approx DELTA EQUAL TO

= equiangular
= equal to by definition

225D \approx EQUAL TO BY DEFINITION

225E \approx MEASURED BY

225F \approx QUESTIONED EQUAL TO

2260 \approx NOT EQUAL TO

→ 003D = equals sign

→ 01C2 \ddagger latin letter alveolar click

\equiv 003D = 0338 $\not\approx$

2261 \approx IDENTICAL TO

2262 \approx NOT IDENTICAL TO

\equiv 2261 \equiv 0338 $\not\approx$

2263	≡	STRICTLY EQUIVALENT TO	2288	⊄	NEITHER A SUBSET OF NOR EQUAL TO ≡ 2286 ⊆ 0338 ⧸
2264	≤	LESS-THAN OR EQUAL TO	2289	⊈	NEITHER A SUPERSSET OF NOR EQUAL TO ≡ 2287 ⊇ 0338 ⧸
2265	≥	GREATER-THAN OR EQUAL TO	228A	⊂	SUBSET OF WITH NOT EQUAL TO
2266	≧	LESS-THAN OVER EQUAL TO	228B	⊃	SUPERSSET OF WITH NOT EQUAL TO
2267	≨	GREATER-THAN OVER EQUAL TO	Operators		
2268	≢	LESS-THAN BUT NOT EQUAL TO	228C	⊍	MULTISET
2269	≣	GREATER-THAN BUT NOT EQUAL TO	228D	⊗	MULTISET MULTIPLICATION → 2A03 ∪ n-ary union operator with dot → 2A40 ∩ intersection with dot
226A	≪	MUCH LESS-THAN → 00AB ≪ left-pointing double angle quotation mark	228E	⊎	MULTISET UNION = z notation bag addition → 2A04 ∪ n-ary union operator with plus
226B	≫	MUCH GREATER-THAN → 00BB ≫ right-pointing double angle quotation mark	Relations		
226C	∅	BETWEEN = plaintiff, quantic	228F	⊐	SQUARE IMAGE OF
226D	≠	NOT EQUIVALENT TO ≡ 224D ≠ 0338 ⧸	2290	⊑	SQUARE ORIGINAL OF
226E	≧	NOT LESS-THAN ≡ 003C < 0338 ⧸	2291	⊒	SQUARE IMAGE OF OR EQUAL TO
226F	≨	NOT GREATER-THAN ≡ 003E > 0338 ⧸	2292	⊓	SQUARE ORIGINAL OF OR EQUAL TO
2270	≢	NEITHER LESS-THAN NOR EQUAL TO ≡ 2264 ≤ 0338 ⧸	Operators		
2271	≣	NEITHER GREATER-THAN NOR EQUAL TO ≡ 2265 ≥ 0338 ⧸	2293	⊔	SQUARE CAP → 2A05 ∩ n-ary square intersection operator
2272	≧	LESS-THAN OR EQUIVALENT TO	2294	⊕	SQUARE CUP
2273	≨	GREATER-THAN OR EQUIVALENT TO	2295	⊕	CIRCLED PLUS = direct sum = vector pointing into page → 2A01 ⊕ n-ary circled plus operator → 1F728 ⊕ alchemical symbol for verdigris
2274	≢	NEITHER LESS-THAN NOR EQUIVALENT TO ≡ 2272 ≤ 0338 ⧸	2296	⊖	CIRCLED MINUS = symmetric difference → 29B5 ⊖ circle with horizontal bar → 1F714 ⊖ alchemical symbol for salt
2275	≣	NEITHER GREATER-THAN NOR EQUIVALENT TO ≡ 2273 ≥ 0338 ⧸	2297	⊗	CIRCLED TIMES = tensor product = vector pointing into page → 26D2 ⊗ circled crossing lanes → 2A02 ⊗ n-ary circled times operator
2276	≧	LESS-THAN OR GREATER-THAN	2298	⊘	CIRCLED DIVISION SLASH
2277	≨	GREATER-THAN OR LESS-THAN	2299	⊙	CIRCLED DOT OPERATOR = direct product = vector pointing out of page → 0298 ⊙ latin letter bilabial click → 2609 ⊙ sun → 2A00 ⊙ n-ary circled dot operator
2278	≢	NEITHER LESS-THAN NOR GREATER-THAN ≡ 2276 ≤ 0338 ⧸	229A	⊚	CIRCLED RING OPERATOR → 233E ⊚ apl functional symbol circle jot → 25CE ⊚ bullseye
2279	≣	NEITHER GREATER-THAN NOR LESS-THAN ≡ 2277 ≥ 0338 ⧸	229B	⊛	CIRCLED ASTERISK OPERATOR → 235F ⊛ apl functional symbol circle star
227A	≪	PRECEDES = lower rank than → 22B0 ≪ precedes under relation	229C	⊜	CIRCLED EQUALS
227B	≫	SUCCEEDS = higher rank than → 22B1 ≫ succeeds under relation	229D	⊝	CIRCLED DASH
227C	≧	PRECEDES OR EQUAL TO	229E	⊞	SQUARED PLUS
227D	≨	SUCCEEDS OR EQUAL TO	229F	⊟	SQUARED MINUS
227E	≧	PRECEDES OR EQUIVALENT TO	22A0	⊠	SQUARED TIMES → 2612 ⊠ ballot box with x → 26DD ⊠ squared saltire → 1F771 ⊠ alchemical symbol for month
227F	≨	SUCCEEDS OR EQUIVALENT TO	22A1	⊡	SQUARED DOT OPERATOR → 1F755 ⊡ alchemical symbol for urine
2280	≠	DOES NOT PRECEDE ≡ 227A < 0338 ⧸			
2281	≧	DOES NOT SUCCEED ≡ 227B > 0338 ⧸			
2282	⊂	SUBSET OF = included in set → 2E26 ⊂ left sideways u bracket			
2283	⊃	SUPERSSET OF = includes in set → 2E27 ⊃ right sideways u bracket			
2284	⊄	NOT A SUBSET OF ≡ 2282 ⊂ 0338 ⧸			
2285	⊇	NOT A SUPERSSET OF ≡ 2283 ⊃ 0338 ⧸			
2286	⊆	SUBSET OF OR EQUAL TO			
2287	⊇	SUPERSSET OF OR EQUAL TO			

- 22A2 \vdash RIGHT TACK
= turnstile
= proves, implies, yields
= reducible
- 22A3 \dashv LEFT TACK
= reverse turnstile
= non-theorem, does not yield

Miscellaneous mathematical symbols

- 22A4 \top DOWN TACK
= top
→ 2E06 \top raised interpolation marker
→ 1F768 \top alchemical symbol for crucible-4
- 22A5 \perp UP TACK
= base, bottom
→ 27C2 \perp perpendicular

Relations

- 22A6 \vdash ASSERTION
= reduces to
- 22A7 \vDash MODELS
- 22A8 \vDash TRUE
= statement is true, valid
= is a tautology
= satisfies
= results in
- 22A9 \Vdash FORCES
- 22AA \Vdash TRIPLE VERTICAL BAR RIGHT TURNSTILE
- 22AB \Vdash DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
- 22AC \nVdash DOES NOT PROVE
≡ 22A2 \vdash 0338 $\not\vdash$
- 22AD $\n\vDash$ NOT TRUE
≡ 22A8 \vDash 0338 $\not\vDash$
- 22AE \nVdash DOES NOT FORCE
≡ 22A9 \Vdash 0338 \notVdash
- 22AF \nVdash NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
≡ 22AB \Vdash 0338 \notVdash
- 22B0 \prec PRECEDES UNDER RELATION
→ 227A $<$ precedes
- 22B1 \succ SUCCEEDS UNDER RELATION
→ 227B $>$ succeeds
- 22B2 \triangleleft NORMAL SUBGROUP OF
→ 25C5 \triangleleft white left-pointing pointer
- 22B3 \triangleleft CONTAINS AS NORMAL SUBGROUP
→ 25BB \triangleright white right-pointing pointer
- 22B4 \triangleleft NORMAL SUBGROUP OF OR EQUAL TO
- 22B5 \triangleleft CONTAINS AS NORMAL SUBGROUP OR EQUAL TO
- 22B6 \leftrightarrow ORIGINAL OF
- 22B7 \leftrightarrow IMAGE OF
- 22B8 \rightarrow MULTIMAP
- 22B9 \dagger HERMITIAN CONJUGATE MATRIX

Operators

- 22BA \top INTERCALATE
- 22BB $\underline{\vee}$ XOR
→ 26BA $\underline{\vee}$ semisextile
- 22BC $\bar{\wedge}$ NAND
→ 2305 $\bar{\wedge}$ projective
→ 26BB $\bar{\wedge}$ quincunx
- 22BD ∇ NOR

Miscellaneous mathematical symbols

- 22BE \sphericalangle RIGHT ANGLE WITH ARC

- 22BF \triangle RIGHT TRIANGLE

N-ary operators

- 22C0 \wedge N-ARY LOGICAL AND
• also used to denote the universal quantifier
→ 2227 \wedge logical and
- 22C1 \vee N-ARY LOGICAL OR
• also used to denote the existential quantifier
→ 2228 \vee logical or
- 22C2 \cap N-ARY INTERSECTION
= z notation generalised intersection
→ 2229 \cap intersection
- 22C3 \cup N-ARY UNION
= z notation generalised union
→ 222A \cup union

Operators

- 22C4 \diamond DIAMOND OPERATOR
→ 25C7 \diamond white diamond
→ 2B29 \blacklozenge black small diamond
- 22C5 \cdot DOT OPERATOR
→ 00B7 \cdot middle dot
- 22C6 \star STAR OPERATOR
• APL
→ 066D \star arabic five pointed star
→ 2605 \blackstar black star
→ 2B50 \star white medium star
- 22C7 \ast DIVISION TIMES

Relation

- 22C8 \bowtie BOWTIE
→ 2445 \bowtie ocr bow tie

Operators

- 22C9 \ltimes LEFT NORMAL FACTOR SEMIDIRECT PRODUCT
- 22CA \rtimes RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT
- 22CB \times LEFT SEMIDIRECT PRODUCT
- 22CC \ltimes RIGHT SEMIDIRECT PRODUCT
→ 2041 $\hat{_}$ caret insertion point

Relation

- 22CD \approx REVERSED TILDE EQUALS

Logical operators

- 22CE \vee CURLY LOGICAL OR
- 22CF \wedge CURLY LOGICAL AND

Relations

- 22D0 \subseteq DOUBLE SUBSET
- 22D1 \supseteq DOUBLE SUPERSET

Operators

- 22D2 \cap DOUBLE INTERSECTION
- 22D3 \cup DOUBLE UNION

Relations

- 22D4 \pitchfork PITCHFORK
= proper intersection
- 22D5 $\#$ EQUAL AND PARALLEL TO
→ 2317 $\#$ viewdata square
- 22D6 \lessdot LESS-THAN WITH DOT
- 22D7 \gtrdot GREATER-THAN WITH DOT
- 22D8 \lll VERY MUCH LESS-THAN
- 22D9 \ggg VERY MUCH GREATER-THAN
- 22DA \lessgtr LESS-THAN EQUAL TO OR GREATER-THAN
- 22DB \gtrless GREATER-THAN EQUAL TO OR LESS-THAN

22DC	\approx	EQUAL TO OR LESS-THAN
22DD	\succ	EQUAL TO OR GREATER-THAN
22DE	\preceq	EQUAL TO OR PRECEDES
22DF	\succcurlyeq	EQUAL TO OR SUCCEEDS
22E0	\nprec	DOES NOT PRECEDE OR EQUAL $\equiv 227C \leq 0338 \not\phi$
22E1	\nprec	DOES NOT SUCCEED OR EQUAL $\equiv 227D \geq 0338 \not\phi$
22E2	$\not\sqsupseteq$	NOT SQUARE IMAGE OF OR EQUAL TO $\equiv 2291 \sqsupseteq 0338 \not\phi$
22E3	$\not\sqsupset$	NOT SQUARE ORIGINAL OF OR EQUAL TO $\equiv 2292 \sqsupset 0338 \not\phi$
22E4	\sqsupseteq	SQUARE IMAGE OF OR NOT EQUAL TO
22E5	\sqsupset	SQUARE ORIGINAL OF OR NOT EQUAL TO
22E6	\nless	LESS-THAN BUT NOT EQUIVALENT TO
22E7	\ngtr	GREATER-THAN BUT NOT EQUIVALENT TO
22E8	\nprec	PRECEDES BUT NOT EQUIVALENT TO
22E9	\nprec	SUCCEEDS BUT NOT EQUIVALENT TO
22EA	\ntriangleleft	NOT NORMAL SUBGROUP OF $\equiv 22B2 \triangleleft 0338 \not\phi$
22EB	\ntriangleleft	DOES NOT CONTAIN AS NORMAL SUBGROUP $\equiv 22B3 \triangleright 0338 \not\phi$
22EC	\ntriangleleft	NOT NORMAL SUBGROUP OF OR EQUAL TO $\equiv 22B4 \trianglelefteq 0338 \not\phi$
22ED	\ntriangleleft	DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL $\equiv 22B5 \trianglerighteq 0338 \not\phi$
22EE	\vdots	VERTICAL ELLIPSIS <ul style="list-style-type: none"> • these four ellipses are used for matrix row/column elision <p>→ 205D \vdots tricolon → 2026 ... horizontal ellipsis → FE19 \vdots presentation form for vertical horizontal ellipsis</p>
22EF	\cdots	MIDLINE HORIZONTAL ELLIPSIS
22F0	\ddots	UP RIGHT DIAGONAL ELLIPSIS
22F1	$\dot{\cdot}$	DOWN RIGHT DIAGONAL ELLIPSIS
22F2	\in	ELEMENT OF WITH LONG HORIZONTAL STROKE
22F3	\in	ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22F4	ϵ	SMALL ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22F5	\in	ELEMENT OF WITH DOT ABOVE
22F6	$\overline{\in}$	ELEMENT OF WITH OVERBAR
22F7	$\overline{\epsilon}$	SMALL ELEMENT OF WITH OVERBAR
22F8	$\underline{\in}$	ELEMENT OF WITH UNDERBAR
22F9	\in	ELEMENT OF WITH TWO HORIZONTAL STROKES
22FA	\supset	CONTAINS WITH LONG HORIZONTAL STROKE
22FB	\supset	CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22FC	\supset	SMALL CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22FD	$\overline{\supset}$	CONTAINS WITH OVERBAR
22FE	$\overline{\supset}$	SMALL CONTAINS WITH OVERBAR
22FF	\in	Z NOTATION BAG MEMBERSHIP

	230	231	232	233	234	235	236	237	238	239	23A	23B	23C	23D	23E	23F
0	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	23A0	23B0	23C0	23D0	23E0	23F0
1	2301	2311	2321	2331	2341	2351	2361	2371	2381	2391	23A1	23B1	23C1	23D1	23E1	23F1
2	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392	23A2	23B2	23C2	23D2	23E2	23F2
3	2303	2313	2323	2333	2343	2353	2363	2373	2383	2393	23A3	23B3	23C3	23D3	23E3	23F3
4	2304	2314	2324	2334	2344	2354	2364	2374	2384	2394	23A4	23B4	23C4	23D4	23E4	23F4
5	2305	2315	2325	2335	2345	2355	2365	2375	2385	2395	23A5	23B5	23C5	23D5	23E5	23F5
6	2306	2316	2326	2336	2346	2356	2366	2376	2386	2396	23A6	23B6	23C6	23D6	23E6	23F6
7	2307	2317	2327	2337	2347	2357	2367	2377	2387	2397	23A7	23B7	23C7	23D7	23E7	23F7
8	2308	2318	2328	2338	2348	2358	2368	2378	2388	2398	23A8	23B8	23C8	23D8	23E8	23F8
9	2309	2319	2329	2339	2349	2359	2369	2379	2389	2399	23A9	23B9	23C9	23D9	23E9	23F9
A	230A	231A	232A	233A	234A	235A	236A	237A	238A	239A	23AA	23BA	23CA	23DA	23EA	23FA
B	230B	231B	232B	233B	234B	235B	236B	237B	238B	239B	23AB	23BB	23CB	23DB	23EB	23FB
C	230C	231C	232C	233C	234C	235C	236C	237C	238C	239C	23AC	23BC	23CC	23DC	23EC	23FC
D	230D	231D	232D	233D	234D	235D	236D	237D	238D	239D	23AD	23BD	23CD	23DD	23ED	23FD
E	230E	231E	232E	233E	234E	235E	236E	237E	238E	239E	23AE	23BE	23CE	23DE	23EE	23FE
F	230F	231F	232F	233F	234F	235F	236F	237F	238F	239F	23AF	23BF	23CF	23DF	23EF	23FF

Miscellaneous technical

- 2300 ∅ DIAMETER SIGN
→ 2205 ∅ empty set
- 2301 ↘ ELECTRIC ARROW
• from ISO 2047
• symbol for End of Transmission
- 2302 ⤴ HOUSE
- 2303 ^ UP ARROWHEAD
→ 005E ^ circumflex accent
→ 02C4 ^ modifier letter up arrowhead
→ 2038 ^ caret
→ 2227 ^ logical and
- 2304 v DOWN ARROWHEAD
→ 02C5 v modifier letter down arrowhead
→ 2228 v logical or
→ 2335 v countersink
- 2305 ⌘ PROJECTIVE
→ 22BC ⌘ NAND
- 2306 ≙ PERSPECTIVE
- 2307 } WAVY LINE
→ 3030 ~ wavy dash

Ceilings and floors

These characters are tall and narrow mathematical delimiters, in contrast to the quine corners or half brackets. They are also distinct from CJK corner brackets, which are wide quotation marks.

- 2308 ⌈ LEFT CEILING
= APL upstile
→ 2E22 ⌈ top left half bracket
→ 300C ⌈ left corner bracket
- 2309 ⌋ RIGHT CEILING
→ 20E7 ⌋ combining annuity symbol
→ 2E23 ⌋ top right half bracket
- 230A ⌋ LEFT FLOOR
= APL downstile
→ 2E24 ⌋ bottom left half bracket
- 230B ⌋ RIGHT FLOOR
→ 300D ⌋ right corner bracket
→ 2E25 ⌋ bottom right half bracket

Crops

- 230C ⌞ BOTTOM RIGHT CROP
• set of four "crop" corners, arranged facing outward
- 230D ⌞ BOTTOM LEFT CROP
- 230E ⌞ TOP RIGHT CROP
- 230F ⌞ TOP LEFT CROP

Miscellaneous technical

- 2310 ⇐ REVERSED NOT SIGN
= beginning of line
→ 00AC ⇐ not sign
- 2311 ▣ SQUARE LOZENGE
= Kissen (pillow)
• used as a command delimiter in some very old computers
- 2312 ⤵ ARC
= position of any line
→ 25E0 ⤵ upper half circle
- 2313 ⤴ SEGMENT
= position of a surface
- 2314 ∠ SECTOR
- 2315 📞 TELEPHONE RECORDER

- 2316 ⚭ POSITION INDICATOR
= true position
- 2317 # VIEWDATA SQUARE
→ 22D5 # equal and parallel to
- 2318 ⌘ PLACE OF INTEREST SIGN
= command key (1.0)
- 2319 ⌵ TURNED NOT SIGN
= line marker

User interface symbols

- 231A ⌚ WATCH
→ 23F0 ⌚ alarm clock
→ 1F550 ⌚ clock face one o'clock
- 231B ⌚ HOURGLASS
= alchemical symbol for hour

Quine corners

These form a set of four quine corners, for quincuncial arrangement. They are also used in upper and lower pairs in mathematic, or more rarely in editorial usage as alternatives to half brackets.

- 231C ⌈ TOP LEFT CORNER
→ 2E00 ⌈ right angle substitution marker
→ 2E22 ⌈ top left half bracket
- 231D ⌋ TOP RIGHT CORNER
- 231E ⌋ BOTTOM LEFT CORNER
- 231F ⌋ BOTTOM RIGHT CORNER

Integral pieces

- 2320 ∫ TOP HALF INTEGRAL
→ 23AE ∫ integral extension
- 2321 ∫ BOTTOM HALF INTEGRAL

Frown and smile

- 2322 ☹ FROWN
→ 2040 ☹ character tie
- 2323 ☺ SMILE
→ 203F ☺ undertie

Keyboard symbols

- 2324 ⌵ UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS
= enter key
- 2325 ⌵ OPTION KEY
- 2326 ☒ ERASE TO THE RIGHT
= delete to the right key
- 2327 ☒ X IN A RECTANGLE BOX
= clear key
- 2328 📞 KEYBOARD

Deprecated angle brackets

These characters are deprecated and are strongly discouraged for mathematical use because of their canonical equivalence to CJK punctuation.

- 2329 < LEFT-POINTING ANGLE BRACKET
→ 003C < less-than sign
→ 2039 < single left-pointing angle quotation mark
→ 27E8 < mathematical left angle bracket
≡ 3008 < left angle bracket
- 232A > RIGHT-POINTING ANGLE BRACKET
→ 003E > greater-than sign
→ 203A > single right-pointing angle quotation mark
→ 27E9 > mathematical right angle bracket
≡ 3009 > right angle bracket

Keyboard symbol

232B ☒ ERASE TO THE LEFT
= delete to the left key

Chemistry symbol

232C ⬡ BENZENE RING

Drafting symbols

232D ⌢ CYLINDRICITY
232E ⌚ ALL AROUND-PROFILE
232F ⌘ SYMMETRY
2330 ⌘ TOTAL RUNOUT
2331 ⌘ DIMENSION ORIGIN
2332 ⌘ CONICAL TAPER
2333 ⌘ SLOPE
→ 25FA ⌘ lower left triangle
2334 ⌘ COUNTERBORE
→ 2423 ⌘ open box
2335 ⌘ COUNTERSINK
→ 2304 ⌘ down arrowhead

APL

2336 ⌘ APL FUNCTIONAL SYMBOL I-BEAM
2337 ⌘ APL FUNCTIONAL SYMBOL SQUISH QUAD
→ 2395 ⌘ apl functional symbol quad
→ 25AF ⌘ white vertical rectangle
→ 2AFF ⌘ n-ary white vertical bar
2338 ⌘ APL FUNCTIONAL SYMBOL QUAD EQUAL
2339 ⌘ APL FUNCTIONAL SYMBOL QUAD DIVIDE
233A ⌘ APL FUNCTIONAL SYMBOL QUAD DIAMOND
→ 26CB ⌘ white diamond in square
233B ⌘ APL FUNCTIONAL SYMBOL QUAD JOT
→ 29C7 ⌘ squared small circle
233C ⌘ APL FUNCTIONAL SYMBOL QUAD CIRCLE
233D ⌘ APL FUNCTIONAL SYMBOL CIRCLE STILE
233E ⌘ APL FUNCTIONAL SYMBOL CIRCLE JOT
→ 229A ⌘ circled ring operator
→ 29BE ⌘ circled white bullet
233F ⌘ APL FUNCTIONAL SYMBOL SLASH BAR
→ 1019A ⌘ roman as sign
2340 ⌘ APL FUNCTIONAL SYMBOL BACKSLASH BAR
→ 29F7 ⌘ reverse solidus with horizontal stroke
2341 ⌘ APL FUNCTIONAL SYMBOL QUAD SLASH
→ 29C4 ⌘ squared rising diagonal slash
2342 ⌘ APL FUNCTIONAL SYMBOL QUAD BACKSLASH
→ 29C5 ⌘ squared falling diagonal slash
2343 ⌘ APL FUNCTIONAL SYMBOL QUAD LESS-THAN
2344 ⌘ APL FUNCTIONAL SYMBOL QUAD GREATER-THAN
2345 ⌘ APL FUNCTIONAL SYMBOL LEFTWARDS VANE
2346 ⌘ APL FUNCTIONAL SYMBOL RIGHTWARDS VANE
2347 ⌘ APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW
2348 ⌘ APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW
2349 ⌘ APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH
→ 29B0 ⌘ reversed empty set
234A ⌘ APL FUNCTIONAL SYMBOL DOWN TACK UNDERBAR
= up tack underbar
• preferred naming for APL tack symbols now follows the London Convention in ISO/IEC 13751:2000 (APL Extended)
→ 22A5 ⌘ up tack

234B ⌘ APL FUNCTIONAL SYMBOL DELTA STILE
234C ⌘ APL FUNCTIONAL SYMBOL QUAD DOWN CARET
234D ⌘ APL FUNCTIONAL SYMBOL QUAD DELTA
234E ⌘ APL FUNCTIONAL SYMBOL DOWN TACK JOT
= up tack jot
→ 22A5 ⌘ up tack
234F ⌘ APL FUNCTIONAL SYMBOL UPWARDS VANE
2350 ⌘ APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW
2351 ⌘ APL FUNCTIONAL SYMBOL UP TACK OVERBAR
= down tack overbar
→ 22A4 ⌘ down tack
→ 3012 ⌘ postal mark
2352 ⌘ APL FUNCTIONAL SYMBOL DEL STILE
2353 ⌘ APL FUNCTIONAL SYMBOL QUAD UP CARET
2354 ⌘ APL FUNCTIONAL SYMBOL QUAD DEL
2355 ⌘ APL FUNCTIONAL SYMBOL UP TACK JOT
= down tack jot
→ 22A4 ⌘ down tack
2356 ⌘ APL FUNCTIONAL SYMBOL DOWNWARDS VANE
2357 ⌘ APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW
2358 ⌘ APL FUNCTIONAL SYMBOL QUOTE UNDERBAR
2359 ⌘ APL FUNCTIONAL SYMBOL DELTA UNDERBAR
235A ⌘ APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR
235B ⌘ APL FUNCTIONAL SYMBOL JOT UNDERBAR
235C ⌘ APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR
235D ⌘ APL FUNCTIONAL SYMBOL UP SHOE JOT
→ 2A40 ⌘ intersection with dot
235E ⌘ APL FUNCTIONAL SYMBOL QUOTE QUAD
235F ⌘ APL FUNCTIONAL SYMBOL CIRCLE STAR
→ 229B ⌘ circled asterisk operator
2360 ⌘ APL FUNCTIONAL SYMBOL QUAD COLON
2361 ⌘ APL FUNCTIONAL SYMBOL UP TACK DIAERESIS
= down tack diaeresis
→ 22A4 ⌘ down tack
2362 ⌘ APL FUNCTIONAL SYMBOL DEL DIAERESIS
2363 ⌘ APL FUNCTIONAL SYMBOL STAR DIAERESIS
2364 ⌘ APL FUNCTIONAL SYMBOL JOT DIAERESIS
= hoot
2365 ⌘ APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS
= holler
2366 ⌘ APL FUNCTIONAL SYMBOL DOWN SHOE STILE
2367 ⌘ APL FUNCTIONAL SYMBOL LEFT SHOE STILE
2368 ⌘ APL FUNCTIONAL SYMBOL TILDE DIAERESIS
= smirk
2369 ⌘ APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS
236A ⌘ APL FUNCTIONAL SYMBOL COMMA BAR
236B ⌘ APL FUNCTIONAL SYMBOL DEL TILDE
236C ⌘ APL FUNCTIONAL SYMBOL ZILDE
236D ⌘ APL FUNCTIONAL SYMBOL STILE TILDE
236E ⌘ APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR
236F ⌘ APL FUNCTIONAL SYMBOL QUAD NOT EQUAL
2370 ⌘ APL FUNCTIONAL SYMBOL QUAD QUESTION
2371 ⌘ APL FUNCTIONAL SYMBOL DOWN CARET TILDE
2372 ⌘ APL FUNCTIONAL SYMBOL UP CARET TILDE
2373 ⌘ APL FUNCTIONAL SYMBOL IOTA
2374 ⌘ APL FUNCTIONAL SYMBOL RHO

2375	Ω	APL FUNCTIONAL SYMBOL OMEGA
2376	α	APL FUNCTIONAL SYMBOL ALPHA UNDERBAR
2377	ε	APL FUNCTIONAL SYMBOL EPSILON UNDERBAR
2378	ι	APL FUNCTIONAL SYMBOL IOTA UNDERBAR
2379	Ω	APL FUNCTIONAL SYMBOL OMEGA UNDERBAR
237A	α	APL FUNCTIONAL SYMBOL ALPHA

Graphics for control codes

237B	✓	NOT CHECK MARK
		• from ISO 2047
		• symbol for Negative Acknowledge

Miscellaneous technical

237C	↘	RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW
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Graphics for control codes

237D	┌	SHOULDERED OPEN BOX
		• from ISO 9995-7
		• keyboard symbol for No Break Space
		→ 2423 ┌ open box
237E	⌚	BELL SYMBOL
		• from ISO 2047
237F	†	VERTICAL LINE WITH MIDDLE DOT
		• from ISO 2047
		• symbol for End of Medium

Keyboard symbols from ISO 9995-7

2380	↵	INSERTION SYMBOL
2381	≡	CONTINUOUS UNDERLINE SYMBOL
2382	≡	DISCONTINUOUS UNDERLINE SYMBOL
2383	≡	EMPHASIS SYMBOL
2384	Ⓜ	COMPOSITION SYMBOL
2385	Ⓜ	WHITE SQUARE WITH CENTRE VERTICAL LINE
		= center
2386	↵	ENTER SYMBOL
2387	↵	ALTERNATIVE KEY SYMBOL
2388	⌘	HELM SYMBOL
		= control
		→ 2638 ⌘ wheel of dharma
2389	Ⓜ	CIRCLED HORIZONTAL BAR WITH NOTCH
		= pause
238A	Ⓜ	CIRCLED TRIANGLE DOWN
		= interrupt, break
238B	Ⓜ	BROKEN CIRCLE WITH NORTHWEST ARROW
		= escape
238C	↵	UNDO SYMBOL

Electrotechnical symbols from IR 181

238D	Ⓜ	MONOSTABLE SYMBOL
238E	Ⓜ	HYSTERESIS SYMBOL
238F	Ⓜ	OPEN-CIRCUIT-OUTPUT H-TYPE SYMBOL
2390	Ⓜ	OPEN-CIRCUIT-OUTPUT L-TYPE SYMBOL
2391	Ⓜ	PASSIVE-PULL-DOWN-OUTPUT SYMBOL
2392	Ⓜ	PASSIVE-PULL-UP-OUTPUT SYMBOL
2393	Ⓜ	DIRECT CURRENT SYMBOL FORM TWO
2394	Ⓜ	SOFTWARE-FUNCTION SYMBOL

APL

2395	□	APL FUNCTIONAL SYMBOL QUAD
		→ 2337 □ apl functional symbol squish quad
		→ 25AF □ white vertical rectangle

Keyboard symbols from ISO 9995-7

2396	▮	DECIMAL SEPARATOR KEY SYMBOL
------	---	------------------------------

2397	⏪	PREVIOUS PAGE
		→ 1F519 ⏪ back with leftwards arrow above
2398	⏩	NEXT PAGE
2399	🖨	PRINT SCREEN SYMBOL
239A	🗑	CLEAR SCREEN SYMBOL
		→ 20E2 🗑 combining enclosing screen

Bracket pieces

239B	{	LEFT PARENTHESIS UPPER HOOK
239C	{	LEFT PARENTHESIS EXTENSION
239D	{	LEFT PARENTHESIS LOWER HOOK
239E	}	RIGHT PARENTHESIS UPPER HOOK
239F	}	RIGHT PARENTHESIS EXTENSION
23A0	}	RIGHT PARENTHESIS LOWER HOOK
23A1	[	LEFT SQUARE BRACKET UPPER CORNER
23A2	[	LEFT SQUARE BRACKET EXTENSION
23A3	[	LEFT SQUARE BRACKET LOWER CORNER
23A4	]	RIGHT SQUARE BRACKET UPPER CORNER
23A5	]	RIGHT SQUARE BRACKET EXTENSION
23A6	]	RIGHT SQUARE BRACKET LOWER CORNER
23A7	{	LEFT CURLY BRACKET UPPER HOOK
23A8	{	LEFT CURLY BRACKET MIDDLE PIECE
23A9	{	LEFT CURLY BRACKET LOWER HOOK
23AA	{	CURLY BRACKET EXTENSION
23AB	}	RIGHT CURLY BRACKET UPPER HOOK
23AC	}	RIGHT CURLY BRACKET MIDDLE PIECE
23AD	}	RIGHT CURLY BRACKET LOWER HOOK

Special character extensions

23AE	|	INTEGRAL EXTENSION
		→ 2320 ∫ top half integral
		→ 2321 ∫ bottom half integral
23AF	—	HORIZONTAL LINE EXTENSION
		• used for extension of arrows
		→ 23D0 | vertical line extension

Bracket pieces

23B0	{	UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION
		= left moustache
23B1	}	UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION
		= right moustache

Summation sign parts

23B2	∑	SUMMATION TOP
23B3	∑	SUMMATION BOTTOM
		→ 2211 ∑ n-ary summation

Horizontal brackets

These characters are also used as delimiters of vertical text in non-CJK terminal emulation.





23B4	┌	TOP SQUARE BRACKET
		→ FE47 ┌ presentation form for vertical left square bracket
23B5	└	BOTTOM SQUARE BRACKET
		→ FE48 └ presentation form for vertical right square bracket
23B6	≡	BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET
		• only used for terminal emulation

Terminal graphic characters
























23B7	∇	RADICAL SYMBOL BOTTOM
23B8	|	LEFT VERTICAL BOX LINE
23B9	|	RIGHT VERTICAL BOX LINE

Scan lines for terminal graphics


The scan line numbers here refer to old, low-resolution technology for terminals, with only 9 scan lines per fixed-size character glyph. Even-numbered scan lines are unified with box-drawing graphics.

- 23BA  HORIZONTAL SCAN LINE-1
 23BB  HORIZONTAL SCAN LINE-3
 23BC  HORIZONTAL SCAN LINE-7
 23BD  HORIZONTAL SCAN LINE-9




Dentistry notation symbols

- 23BE  DENTISTRY SYMBOL LIGHT VERTICAL AND TOP RIGHT
 → 2308  left ceiling
- 23BF  DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT
 → 230A  left floor
- 23C0  DENTISTRY SYMBOL LIGHT VERTICAL WITH CIRCLE
- 23C1  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE
- 23C2  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE
- 23C3  DENTISTRY SYMBOL LIGHT VERTICAL WITH TRIANGLE
- 23C4  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE
- 23C5  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH TRIANGLE
- 23C6  DENTISTRY SYMBOL LIGHT VERTICAL AND WAVE
- 23C7  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH WAVE
- 23C8  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH WAVE
- 23C9  DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL
 → 22A4  down tack
 → 252C  box drawings light down and horizontal
- 23CA  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL
 → 22A5  up tack
 → 2534  box drawings light up and horizontal
- 23CB  DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT
 → 2309  right ceiling
- 23CC  DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT
 → 230B  right floor



Miscellaneous technical

- 23CD  SQUARE FOOT













Keyboard and UI symbols

- 23CE  RETURN SYMBOL
 • may be shown with either hollow or filled glyph
 → 21B5  downwards arrow with corner leftwards
- 23CF  EJECT SYMBOL
 • UI symbol to eject media

Special character extension

- 23D0  VERTICAL LINE EXTENSION
 • used for extension of arrows
 → 23AF  horizontal line extension

Metrical symbols













- 23D1  METRICAL BREVE
- 23D2  METRICAL LONG OVER SHORT
- 23D3  METRICAL SHORT OVER LONG
- 23D4  METRICAL LONG OVER TWO SHORTS
- 23D5  METRICAL TWO SHORTS OVER LONG
- 23D6  METRICAL TWO SHORTS JOINED
- 23D7  METRICAL TRISEME
 → 1D242  combining greek musical triseme
- 23D8  METRICAL TETRASEME
 → 1D243  combining greek musical tetraseme
- 23D9  METRICAL PENTASEME
 → 1D244  combining greek musical pentaseme

Electrotechnical symbols

- 23DA  EARTH GROUND
- 23DB  FUSE

Horizontal brackets

These are intended for bracketing terms of mathematical expressions where their glyph extends to accommodate the width of the bracketed expression

- 23DC  TOP PARENTHESIS
 → FE35  presentation form for vertical left parenthesis
- 23DD  BOTTOM PARENTHESIS
 → FE36  presentation form for vertical right parenthesis
- 23DE  TOP CURLY BRACKET
 → FE37  presentation form for vertical left curly bracket
- 23DF  BOTTOM CURLY BRACKET
 → FE38  presentation form for vertical right curly bracket
- 23E0  TOP TORTOISE SHELL BRACKET
 → FE39  presentation form for vertical left tortoise shell bracket
- 23E1  BOTTOM TORTOISE SHELL BRACKET
 → FE3A  presentation form for vertical right tortoise shell bracket





Miscellaneous technical

- 23E2  WHITE TRAPEZIUM



Chemistry symbol

- 23E3  BENZENE RING WITH CIRCLE

Miscellaneous technical

- 23E4  STRAIGHTNESS
- 23E5  FLATNESS
- 23E6  AC CURRENT
- 23E7  ELECTRICAL INTERSECTION
- 23E8  DECIMAL EXPONENT SYMBOL
 • Algol-60 token for scientific notation literals

User interface symbols

- 23E9  BLACK RIGHT-POINTING DOUBLE TRIANGLE
 = fast forward
- 23EA  BLACK LEFT-POINTING DOUBLE TRIANGLE
 = fast rewind

- 23EB ▲ BLACK UP-POINTING DOUBLE TRIANGLE
 23EC ▼ BLACK DOWN-POINTING DOUBLE TRIANGLE
 23ED ►► BLACK RIGHT-POINTING DOUBLE TRIANGLE
 WITH VERTICAL BAR
 23EE ◄◄ BLACK LEFT-POINTING DOUBLE TRIANGLE
 WITH VERTICAL BAR
 23EF ►◄ BLACK RIGHT-POINTING TRIANGLE WITH
 DOUBLE VERTICAL BAR
 23F0 🕒 ALARM CLOCK
 → 231A 🕒 watch
 → 1F550 🕒 clock face one o'clock
 23F1 ⌚ STOPWATCH
 23F2 ⌚ TIMER CLOCK
 23F3 🕒 HOURGLASS WITH FLOWING SAND
 → 231B 🕒 hourglass

	240	241	242	243
0	N _U L 2400	D _L E 2410	S _P 2420	
1	S _O H 2401	D _C ₁ 2411	D _E L 2421	
2	S _T X 2402	D _C ₂ 2412	b 2422	
3	E _T X 2403	D _C ₃ 2413	└ 2423	
4	E _O T 2404	D _C ₄ 2414	N _L 2424	
5	E _N Q 2405	N _A K 2415	⧸ 2425	
6	A _C K 2406	S _Y N 2416	? 2426	
7	B _E L 2407	E _T B 2417		
8	B _S 2408	C _A N 2418		
9	H _T 2409	E _M 2419		
A	L _F 240A	S _U B 241A		
B	V _T 240B	E _S C 241B		
C	F _F 240C	F _S 241C		
D	C _R 240D	G _S 241D		
E	S _S 240E	R _S 241E		
F	S _I 240F	U _S 241F		

The diagonal lettering glyphs are only exemplary; alternate representations may be, and often are used in the visible display of control codes.

Graphic pictures for control codes

- 2400 ^{N_UL} SYMBOL FOR NULL
- 2401 ^{S_OH} SYMBOL FOR START OF HEADING
- 2402 ^{S_TX} SYMBOL FOR START OF TEXT
- 2403 ^{E_TX} SYMBOL FOR END OF TEXT
- 2404 ^{E_OT} SYMBOL FOR END OF TRANSMISSION
- 2405 ^{E_NQ} SYMBOL FOR ENQUIRY
- 2406 ^{A_CK} SYMBOL FOR ACKNOWLEDGE
- 2407 ^{B_EL} SYMBOL FOR BELL
- 2408 ^{B_S} SYMBOL FOR BACKSPACE
- 2409 ^{H_T} SYMBOL FOR HORIZONTAL TABULATION
- 240A ^{V_T} SYMBOL FOR VERTICAL TABULATION
- 240C ^{F_F} SYMBOL FOR FORM FEED
- 240D ^{C_R} SYMBOL FOR CARRIAGE RETURN
- 240E ^{S_S} SYMBOL FOR SHIFT OUT
- 240F ^{S_I} SYMBOL FOR SHIFT IN
- 2410 ^{D_LE} SYMBOL FOR DATA LINK ESCAPE
- 2411 ^{D_C₁} SYMBOL FOR DEVICE CONTROL ONE
- 2412 ^{D_C₂} SYMBOL FOR DEVICE CONTROL TWO
- 2413 ^{D_C₃} SYMBOL FOR DEVICE CONTROL THREE
- 2414 ^{D_C₄} SYMBOL FOR DEVICE CONTROL FOUR
- 2415 ^{N_AK} SYMBOL FOR NEGATIVE ACKNOWLEDGE
- 2416 ^{S_YN} SYMBOL FOR SYNCHRONOUS IDLE
- 2417 ^{E_TB} SYMBOL FOR END OF TRANSMISSION BLOCK
- 2418 ^{C_AN} SYMBOL FOR CANCEL
- 2419 ^{E_M} SYMBOL FOR END OF MEDIUM
- 241A ^{S_UB} SYMBOL FOR SUBSTITUTE
- 241B ^{E_SC} SYMBOL FOR ESCAPE
- 241C ^{F_S} SYMBOL FOR FILE SEPARATOR
- 241D ^{G_S} SYMBOL FOR GROUP SEPARATOR
- 241E ^{R_S} SYMBOL FOR RECORD SEPARATOR
- 241F ^{U_S} SYMBOL FOR UNIT SEPARATOR
- 2420 ^{S_P} SYMBOL FOR SPACE
- 2421 ^{D_EL} SYMBOL FOR DELETE

Specific symbols for space

- 2422 **b** BLANK SYMBOL
 - graphic for space
 - 0180 **b** latin small letter b with stroke
- 2423 **└** OPEN BOX
 - graphic for space
 - 2334 **└** counterbore

Graphic picture for control code













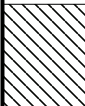



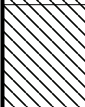
- 2424 ^{N_L} SYMBOL FOR NEWLINE

Keyboard symbol













- 2425 [⧸] SYMBOL FOR DELETE FORM TWO
 - from ISO 9995-7
 - keyboard symbol for undoable delete

Specific symbol for control code

- 2426 [؟] SYMBOL FOR SUBSTITUTE FORM TWO
 - from ISO 2047
 - 061F [؟] arabic question mark

	244	245
0	 2440	
1	 2441	
2	 2442	
3	 2443	
4	 2444	
5	 2445	
6	 2446	
7	 2447	
8	 2448	
9	 2449	
A	 244A	
B		
C		
D		
E		
F		

OCR

- 2440  OCR HOOK
- 2441  OCR CHAIR
- 2442  OCR FORK
- 2443  OCR INVERTED FORK
- 2444  OCR BELT BUCKLE
- 2445  OCR BOW TIE
→ 22C8  bowtie
- 2446  OCR BRANCH BANK IDENTIFICATION
= transit
- 2447  OCR AMOUNT OF CHECK
- 2448  OCR DASH
= on us
- 2449  OCR CUSTOMER ACCOUNT NUMBER
= dash
- 244A  OCR DOUBLE BACKSLASH

	246	247	248	249	24A	24B	24C	24D	24E	24F
0	① 2460	⑰ 2470	⑬ 2480	9 2490	(e) 24A0	(u) 24B0	Ⓚ 24C0	ⓐ 24D0	Ⓠ 24E0	⑯ 24F0
1	② 2461	⑱ 2471	⑭ 2481	10 2491	(f) 24A1	(v) 24B1	Ⓛ 24C1	ⓑ 24D1	Ⓡ 24E1	⑰ 24F1
2	③ 2462	⑲ 2472	⑮ 2482	11 2492	(g) 24A2	(w) 24B2	Ⓜ 24C2	ⓒ 24D2	Ⓢ 24E2	⑱ 24F2
3	④ 2463	⑳ 2473	⑯ 2483	12 2493	(h) 24A3	(x) 24B3	Ⓝ 24C3	ⓓ 24D3	Ⓣ 24E3	⑲ 24F3
4	⑤ 2464	(1) 2474	(17) 2484	13 2494	(i) 24A4	(y) 24B4	Ⓞ 24C4	ⓔ 24D4	Ⓤ 24E4	⑳ 24F4
5	⑥ 2465	(2) 2475	(18) 2485	14 2495	(j) 24A5	(z) 24B5	Ⓟ 24C5	ⓕ 24D5	Ⓥ 24E5	① 24F5
6	⑦ 2466	(3) 2476	(19) 2486	15 2496	(k) 24A6	Ⓐ 24B6	Ⓠ 24C6	ⓖ 24D6	Ⓦ 24E6	② 24F6
7	⑧ 2467	(4) 2477	(20) 2487	16 2497	(l) 24A7	Ⓑ 24B7	Ⓡ 24C7	ⓗ 24D7	Ⓧ 24E7	③ 24F7
8	⑨ 2468	(5) 2478	1. 2488	17 2498	(m) 24A8	Ⓒ 24B8	Ⓢ 24C8	Ⓨ 24D8	Ⓩ 24E8	④ 24F8
9	⑩ 2469	(6) 2479	2. 2489	18 2499	(n) 24A9	Ⓓ 24B9	Ⓣ 24C9	Ⓩ 24D9	Ⓨ 24E9	⑤ 24F9
A	⑪ 246A	(7) 247A	3. 248A	19 249A	(o) 24AA	Ⓔ 24BA	Ⓤ 24CA	Ⓚ 24DA	ⓐ 24EA	⑥ 24FA
B	⑫ 246B	(8) 247B	4. 248B	20 249B	(p) 24AB	Ⓕ 24BB	Ⓥ 24CB	Ⓛ 24DB	⑪ 24EB	⑦ 24FB
C	⑬ 246C	(9) 247C	5. 248C	(a) 249C	(q) 24AC	Ⓖ 24BC	Ⓦ 24CC	Ⓜ 24DC	⑫ 24EC	⑧ 24FC
D	⑭ 246D	(10) 247D	6. 248D	(b) 249D	(r) 24AD	Ⓖ 24BD	Ⓧ 24CD	Ⓝ 24DD	⑬ 24ED	⑨ 24FD
E	⑮ 246E	(11) 247E	7. 248E	(c) 249E	(s) 24AE	Ⓘ 24BE	Ⓨ 24CE	ⓐ 24DE	⑭ 24EE	⑩ 24FE
F	⑯ 246F	(12) 247F	8. 248F	(d) 249F	(t) 24AF	Ⓙ 24BF	Ⓩ 24CF	Ⓟ 24DF	⑮ 24EF	⑰ 24FF

Circled numbers

2460	①	CIRCLED DIGIT ONE ≈ <circle> 0031 1
2461	②	CIRCLED DIGIT TWO ≈ <circle> 0032 2
2462	③	CIRCLED DIGIT THREE ≈ <circle> 0033 3
2463	④	CIRCLED DIGIT FOUR ≈ <circle> 0034 4
2464	⑤	CIRCLED DIGIT FIVE ≈ <circle> 0035 5
2465	⑥	CIRCLED DIGIT SIX ≈ <circle> 0036 6
2466	⑦	CIRCLED DIGIT SEVEN ≈ <circle> 0037 7
2467	⑧	CIRCLED DIGIT EIGHT ≈ <circle> 0038 8
2468	⑨	CIRCLED DIGIT NINE ≈ <circle> 0039 9
2469	⑩	CIRCLED NUMBER TEN ≈ <circle> 0031 1 0030 0
246A	⑪	CIRCLED NUMBER ELEVEN ≈ <circle> 0031 1 0031 1
246B	⑫	CIRCLED NUMBER TWELVE ≈ <circle> 0031 1 0032 2
246C	⑬	CIRCLED NUMBER THIRTEEN ≈ <circle> 0031 1 0033 3
246D	⑭	CIRCLED NUMBER FOURTEEN ≈ <circle> 0031 1 0034 4
246E	⑮	CIRCLED NUMBER FIFTEEN ≈ <circle> 0031 1 0035 5
246F	⑯	CIRCLED NUMBER SIXTEEN ≈ <circle> 0031 1 0036 6
2470	⑰	CIRCLED NUMBER SEVENTEEN ≈ <circle> 0031 1 0037 7
2471	⑱	CIRCLED NUMBER EIGHTEEN ≈ <circle> 0031 1 0038 8
2472	⑲	CIRCLED NUMBER NINETEEN ≈ <circle> 0031 1 0039 9
2473	⑳	CIRCLED NUMBER TWENTY ≈ <circle> 0032 2 0030 0

Parenthesized numbers

2474	(1)	PARENTHESIZED DIGIT ONE ≈ 0028 (0031 1 0029)
2475	(2)	PARENTHESIZED DIGIT TWO ≈ 0028 (0032 2 0029)
2476	(3)	PARENTHESIZED DIGIT THREE ≈ 0028 (0033 3 0029)
2477	(4)	PARENTHESIZED DIGIT FOUR ≈ 0028 (0034 4 0029)
2478	(5)	PARENTHESIZED DIGIT FIVE ≈ 0028 (0035 5 0029)
2479	(6)	PARENTHESIZED DIGIT SIX ≈ 0028 (0036 6 0029)
247A	(7)	PARENTHESIZED DIGIT SEVEN ≈ 0028 (0037 7 0029)
247B	(8)	PARENTHESIZED DIGIT EIGHT ≈ 0028 (0038 8 0029)
247C	(9)	PARENTHESIZED DIGIT NINE ≈ 0028 (0039 9 0029)
247D	(10)	PARENTHESIZED NUMBER TEN ≈ 0028 (0031 1 0030 0 0029)

247E	(11)	PARENTHESIZED NUMBER ELEVEN ≈ 0028 (0031 1 0031 1 0029)
247F	(12)	PARENTHESIZED NUMBER TWELVE ≈ 0028 (0031 1 0032 2 0029)
2480	(13)	PARENTHESIZED NUMBER THIRTEEN ≈ 0028 (0031 1 0033 3 0029)
2481	(14)	PARENTHESIZED NUMBER FOURTEEN ≈ 0028 (0031 1 0034 4 0029)
2482	(15)	PARENTHESIZED NUMBER FIFTEEN ≈ 0028 (0031 1 0035 5 0029)
2483	(16)	PARENTHESIZED NUMBER SIXTEEN ≈ 0028 (0031 1 0036 6 0029)
2484	(17)	PARENTHESIZED NUMBER SEVENTEEN ≈ 0028 (0031 1 0037 7 0029)
2485	(18)	PARENTHESIZED NUMBER EIGHTEEN ≈ 0028 (0031 1 0038 8 0029)
2486	(19)	PARENTHESIZED NUMBER NINETEEN ≈ 0028 (0031 1 0039 9 0029)
2487	(20)	PARENTHESIZED NUMBER TWENTY ≈ 0028 (0032 2 0030 0 0029)

Numbers period

See also similar symbols starting at U+1F100.

2488	1.	DIGIT ONE FULL STOP ≈ 0031 1 002E .
2489	2.	DIGIT TWO FULL STOP ≈ 0032 2 002E .
248A	3.	DIGIT THREE FULL STOP ≈ 0033 3 002E .
248B	4.	DIGIT FOUR FULL STOP ≈ 0034 4 002E .
248C	5.	DIGIT FIVE FULL STOP ≈ 0035 5 002E .
248D	6.	DIGIT SIX FULL STOP ≈ 0036 6 002E .
248E	7.	DIGIT SEVEN FULL STOP ≈ 0037 7 002E .
248F	8.	DIGIT EIGHT FULL STOP ≈ 0038 8 002E .
2490	9.	DIGIT NINE FULL STOP ≈ 0039 9 002E .
2491	10.	NUMBER TEN FULL STOP ≈ 0031 1 0030 0 002E .
2492	11.	NUMBER ELEVEN FULL STOP ≈ 0031 1 0031 1 002E .
2493	12.	NUMBER TWELVE FULL STOP ≈ 0031 1 0032 2 002E .
2494	13.	NUMBER THIRTEEN FULL STOP ≈ 0031 1 0033 3 002E .
2495	14.	NUMBER FOURTEEN FULL STOP ≈ 0031 1 0034 4 002E .
2496	15.	NUMBER FIFTEEN FULL STOP ≈ 0031 1 0035 5 002E .
2497	16.	NUMBER SIXTEEN FULL STOP ≈ 0031 1 0036 6 002E .
2498	17.	NUMBER SEVENTEEN FULL STOP ≈ 0031 1 0037 7 002E .
2499	18.	NUMBER EIGHTEEN FULL STOP ≈ 0031 1 0038 8 002E .
249A	19.	NUMBER NINETEEN FULL STOP ≈ 0031 1 0039 9 002E .
249B	20.	NUMBER TWENTY FULL STOP ≈ 0032 2 0030 0 002E .

Parenthesized Latin letters

See also the uppercase set starting at U+1F100.

249C	(a)	PARENTHESIZED LATIN SMALL LETTER A ≈ 0028 (0061 a 0029)	24B9	Ⓓ	CIRCLED LATIN CAPITAL LETTER D ≈ <circle> 0044 D
249D	(b)	PARENTHESIZED LATIN SMALL LETTER B ≈ 0028 (0062 b 0029)	24BA	Ⓔ	CIRCLED LATIN CAPITAL LETTER E ≈ <circle> 0045 E
249E	(c)	PARENTHESIZED LATIN SMALL LETTER C ≈ 0028 (0063 c 0029)	24BB	Ⓕ	CIRCLED LATIN CAPITAL LETTER F ≈ <circle> 0046 F
249F	(d)	PARENTHESIZED LATIN SMALL LETTER D ≈ 0028 (0064 d 0029)	24BC	Ⓖ	CIRCLED LATIN CAPITAL LETTER G ≈ <circle> 0047 G
24A0	(e)	PARENTHESIZED LATIN SMALL LETTER E ≈ 0028 (0065 e 0029)	24BD	Ⓖ	CIRCLED LATIN CAPITAL LETTER H ≈ <circle> 0048 H
24A1	(f)	PARENTHESIZED LATIN SMALL LETTER F ≈ 0028 (0066 f 0029)	24BE	Ⓘ	CIRCLED LATIN CAPITAL LETTER I ≈ <circle> 0049 I
24A2	(g)	PARENTHESIZED LATIN SMALL LETTER G ≈ 0028 (0067 g 0029)	24BF	⓵	CIRCLED LATIN CAPITAL LETTER J ≈ <circle> 004A J
24A3	(h)	PARENTHESIZED LATIN SMALL LETTER H ≈ 0028 (0068 h 0029)	24C0	Ⓚ	CIRCLED LATIN CAPITAL LETTER K ≈ <circle> 004B K
24A4	(i)	PARENTHESIZED LATIN SMALL LETTER I ≈ 0028 (0069 i 0029)	24C1	Ⓛ	CIRCLED LATIN CAPITAL LETTER L ≈ <circle> 004C L
24A5	(j)	PARENTHESIZED LATIN SMALL LETTER J ≈ 0028 (006A j 0029)	24C2	Ⓜ	CIRCLED LATIN CAPITAL LETTER M ≈ <circle> 004D M
24A6	(k)	PARENTHESIZED LATIN SMALL LETTER K ≈ 0028 (006B k 0029)	24C3	Ⓝ	CIRCLED LATIN CAPITAL LETTER N ≈ <circle> 004E N
24A7	(l)	PARENTHESIZED LATIN SMALL LETTER L ≈ 0028 (006C l 0029)	24C4	Ⓞ	CIRCLED LATIN CAPITAL LETTER O ≈ <circle> 004F O
24A8	(m)	PARENTHESIZED LATIN SMALL LETTER M ≈ 0028 (006D m 0029)	24C5	Ⓟ	CIRCLED LATIN CAPITAL LETTER P → 2117 Ⓟ sound recording copyright ≈ <circle> 0050 P
24A9	(n)	PARENTHESIZED LATIN SMALL LETTER N ≈ 0028 (006E n 0029)	24C6	Ⓠ	CIRCLED LATIN CAPITAL LETTER Q ≈ <circle> 0051 Q
24AA	(o)	PARENTHESIZED LATIN SMALL LETTER O ≈ 0028 (006F o 0029)	24C7	Ⓡ	CIRCLED LATIN CAPITAL LETTER R → 00AE Ⓡ registered sign ≈ <circle> 0052 R
24AB	(p)	PARENTHESIZED LATIN SMALL LETTER P ≈ 0028 (0070 p 0029)	24C8	Ⓢ	CIRCLED LATIN CAPITAL LETTER S ≈ <circle> 0053 S
24AC	(q)	PARENTHESIZED LATIN SMALL LETTER Q ≈ 0028 (0071 q 0029)	24C9	Ⓣ	CIRCLED LATIN CAPITAL LETTER T ≈ <circle> 0054 T
24AD	(r)	PARENTHESIZED LATIN SMALL LETTER R ≈ 0028 (0072 r 0029)	24CA	Ⓤ	CIRCLED LATIN CAPITAL LETTER U ≈ <circle> 0055 U
24AE	(s)	PARENTHESIZED LATIN SMALL LETTER S ≈ 0028 (0073 s 0029)	24CB	Ⓥ	CIRCLED LATIN CAPITAL LETTER V ≈ <circle> 0056 V
24AF	(t)	PARENTHESIZED LATIN SMALL LETTER T ≈ 0028 (0074 t 0029)	24CC	Ⓦ	CIRCLED LATIN CAPITAL LETTER W ≈ <circle> 0057 W
24B0	(u)	PARENTHESIZED LATIN SMALL LETTER U ≈ 0028 (0075 u 0029)	24CD	Ⓧ	CIRCLED LATIN CAPITAL LETTER X ≈ <circle> 0058 X
24B1	(v)	PARENTHESIZED LATIN SMALL LETTER V ≈ 0028 (0076 v 0029)	24CE	Ⓨ	CIRCLED LATIN CAPITAL LETTER Y ≈ <circle> 0059 Y
24B2	(w)	PARENTHESIZED LATIN SMALL LETTER W ≈ 0028 (0077 w 0029)	24CF	Ⓩ	CIRCLED LATIN CAPITAL LETTER Z ≈ <circle> 005A Z
24B3	(x)	PARENTHESIZED LATIN SMALL LETTER X ≈ 0028 (0078 x 0029)	24D0	Ⓐ	CIRCLED LATIN SMALL LETTER A ≈ <circle> 0061 a
24B4	(y)	PARENTHESIZED LATIN SMALL LETTER Y ≈ 0028 (0079 y 0029)	24D1	Ⓑ	CIRCLED LATIN SMALL LETTER B ≈ <circle> 0062 b
24B5	(z)	PARENTHESIZED LATIN SMALL LETTER Z ≈ 0028 (007A z 0029)	24D2	Ⓒ	CIRCLED LATIN SMALL LETTER C ≈ <circle> 0063 c
			24D3	Ⓓ	CIRCLED LATIN SMALL LETTER D ≈ <circle> 0064 d
			24D4	Ⓔ	CIRCLED LATIN SMALL LETTER E ≈ <circle> 0065 e
			24D5	Ⓕ	CIRCLED LATIN SMALL LETTER F ≈ <circle> 0066 f
			24D6	Ⓖ	CIRCLED LATIN SMALL LETTER G ≈ <circle> 0067 g

Circled Latin letters

24B6	Ⓐ	CIRCLED LATIN CAPITAL LETTER A ≈ <circle> 0041 A
24B7	Ⓑ	CIRCLED LATIN CAPITAL LETTER B ≈ <circle> 0042 B
24B8	Ⓒ	CIRCLED LATIN CAPITAL LETTER C → 00A9 © copyright sign ≈ <circle> 0043 C

24D7	Ⓚ	CIRCLED LATIN SMALL LETTER H ≈ <circle> 0068 h
24D8	Ⓛ	CIRCLED LATIN SMALL LETTER I ≈ <circle> 0069 i
24D9	Ⓜ	CIRCLED LATIN SMALL LETTER J ≈ <circle> 006A j
24DA	Ⓨ	CIRCLED LATIN SMALL LETTER K ≈ <circle> 006B k
24DB	Ⓛ	CIRCLED LATIN SMALL LETTER L ≈ <circle> 006C l
24DC	Ⓜ	CIRCLED LATIN SMALL LETTER M ≈ <circle> 006D m
24DD	Ⓝ	CIRCLED LATIN SMALL LETTER N ≈ <circle> 006E n
24DE	Ⓞ	CIRCLED LATIN SMALL LETTER O ≈ <circle> 006F o
24DF	Ⓟ	CIRCLED LATIN SMALL LETTER P ≈ <circle> 0070 p
24E0	Ⓠ	CIRCLED LATIN SMALL LETTER Q ≈ <circle> 0071 q
24E1	Ⓡ	CIRCLED LATIN SMALL LETTER R ≈ <circle> 0072 r
24E2	Ⓢ	CIRCLED LATIN SMALL LETTER S ≈ <circle> 0073 s
24E3	Ⓣ	CIRCLED LATIN SMALL LETTER T ≈ <circle> 0074 t
24E4	Ⓤ	CIRCLED LATIN SMALL LETTER U ≈ <circle> 0075 u
24E5	Ⓥ	CIRCLED LATIN SMALL LETTER V ≈ <circle> 0076 v
24E6	Ⓦ	CIRCLED LATIN SMALL LETTER W ≈ <circle> 0077 w
24E7	Ⓧ	CIRCLED LATIN SMALL LETTER X ≈ <circle> 0078 x
24E8	Ⓩ	CIRCLED LATIN SMALL LETTER Y ≈ <circle> 0079 y
24E9	Ⓨ	CIRCLED LATIN SMALL LETTER Z ≈ <circle> 007A z

Additional circled number

24EA	⓪	CIRCLED DIGIT ZERO ≈ <circle> 0030 0
------	---	---

White on black circled numbers

24EB	⓫	NEGATIVE CIRCLED NUMBER ELEVEN
24EC	⓬	NEGATIVE CIRCLED NUMBER TWELVE
24ED	⓭	NEGATIVE CIRCLED NUMBER THIRTEEN
24EE	⓮	NEGATIVE CIRCLED NUMBER FOURTEEN
24EF	⓯	NEGATIVE CIRCLED NUMBER FIFTEEN
24F0	⓰	NEGATIVE CIRCLED NUMBER SIXTEEN
24F1	⓱	NEGATIVE CIRCLED NUMBER SEVENTEEN
24F2	⓲	NEGATIVE CIRCLED NUMBER EIGHTEEN
24F3	⓳	NEGATIVE CIRCLED NUMBER NINETEEN
24F4	⓴	NEGATIVE CIRCLED NUMBER TWENTY

Double circled numbers

24F5	⓵	DOUBLE CIRCLED DIGIT ONE
24F6	⓶	DOUBLE CIRCLED DIGIT TWO
24F7	⓷	DOUBLE CIRCLED DIGIT THREE
24F8	⓸	DOUBLE CIRCLED DIGIT FOUR
24F9	⓹	DOUBLE CIRCLED DIGIT FIVE
24FA	⓺	DOUBLE CIRCLED DIGIT SIX
24FB	⓻	DOUBLE CIRCLED DIGIT SEVEN
24FC	⓼	DOUBLE CIRCLED DIGIT EIGHT

24FD	⓽	DOUBLE CIRCLED DIGIT NINE
24FE	⓾	DOUBLE CIRCLED NUMBER TEN

Additional white on black circled number

24FF	⓿	NEGATIVE CIRCLED DIGIT ZERO → 2776 ⓿ dingbat negative circled digit one
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	250	251	252	253	254	255	256	257
0	2500	2510	2520	2530	2540	2550	2560	2570
1	2501	2511	2521	2531	2541	2551	2561	2571
2	2502	2512	2522	2532	2542	2552	2562	2572
3	2503	2513	2523	2533	2543	2553	2563	2573
4	2504	2514	2524	2534	2544	2554	2564	2574
5	2505	2515	2525	2535	2545	2555	2565	2575
6	2506	2516	2526	2536	2546	2556	2566	2576
7	2507	2517	2527	2537	2547	2557	2567	2577
8	2508	2518	2528	2538	2548	2558	2568	2578
9	2509	2519	2529	2539	2549	2559	2569	2579
A	250A	251A	252A	253A	254A	255A	256A	257A
B	250B	251B	252B	253B	254B	255B	256B	257B
C	250C	251C	252C	253C	254C	255C	256C	257C
D	250D	251D	252D	253D	254D	255D	256D	257D
E	250E	251E	252E	253E	254E	255E	256E	257E
F	250F	251F	252F	253F	254F	255F	256F	257F

All of these characters are intended for compatibility with old sets oriented toward character cell graphics.

Light and heavy solid lines

2500 — BOX DRAWINGS LIGHT HORIZONTAL
= Videotex Mosaic DG 15

2501 — BOX DRAWINGS HEAVY HORIZONTAL

2502 | BOX DRAWINGS LIGHT VERTICAL
= Videotex Mosaic DG 14

2503 | BOX DRAWINGS HEAVY VERTICAL

Light and heavy dashed lines

2504 ... BOX DRAWINGS LIGHT TRIPLE DASH
HORIZONTAL

2505 ... BOX DRAWINGS HEAVY TRIPLE DASH
HORIZONTAL

2506 ... BOX DRAWINGS LIGHT TRIPLE DASH VERTICAL

2507 ... BOX DRAWINGS HEAVY TRIPLE DASH
VERTICAL

2508 ... BOX DRAWINGS LIGHT QUADRUPLE DASH
HORIZONTAL

2509 ... BOX DRAWINGS HEAVY QUADRUPLE DASH
HORIZONTAL

250A ... BOX DRAWINGS LIGHT QUADRUPLE DASH
VERTICAL

250B ... BOX DRAWINGS HEAVY QUADRUPLE DASH
VERTICAL

Light and heavy line box components

250C ⌒ BOX DRAWINGS LIGHT DOWN AND RIGHT
= Videotex Mosaic DG 16

250D ⌒ BOX DRAWINGS DOWN LIGHT AND RIGHT
HEAVY

250E ⌒ BOX DRAWINGS DOWN HEAVY AND RIGHT
LIGHT

250F ⌒ BOX DRAWINGS HEAVY DOWN AND RIGHT

2510 ⌒ BOX DRAWINGS LIGHT DOWN AND LEFT
= Videotex Mosaic DG 17

2511 ⌒ BOX DRAWINGS DOWN LIGHT AND LEFT
HEAVY

2512 ⌒ BOX DRAWINGS DOWN HEAVY AND LEFT
LIGHT

2513 ⌒ BOX DRAWINGS HEAVY DOWN AND LEFT

2514 ⌒ BOX DRAWINGS LIGHT UP AND RIGHT
= Videotex Mosaic DG 18

2515 ⌒ BOX DRAWINGS UP LIGHT AND RIGHT HEAVY

2516 ⌒ BOX DRAWINGS UP HEAVY AND RIGHT LIGHT

2517 ⌒ BOX DRAWINGS HEAVY UP AND RIGHT

2518 ⌒ BOX DRAWINGS LIGHT UP AND LEFT
= Videotex Mosaic DG 19

2519 ⌒ BOX DRAWINGS UP LIGHT AND LEFT HEAVY

251A ⌒ BOX DRAWINGS UP HEAVY AND LEFT LIGHT

251B ⌒ BOX DRAWINGS HEAVY UP AND LEFT

251C ⊢ BOX DRAWINGS LIGHT VERTICAL AND RIGHT
= Videotex Mosaic DG 20

251D ⊢ BOX DRAWINGS VERTICAL LIGHT AND RIGHT
HEAVY
= Videotex Mosaic DG 03

251E ⊢ BOX DRAWINGS UP HEAVY AND RIGHT DOWN
LIGHT

251F ⊢ BOX DRAWINGS DOWN HEAVY AND RIGHT UP
LIGHT

2520 ⊢ BOX DRAWINGS VERTICAL HEAVY AND RIGHT
LIGHT

2521 ⊢ BOX DRAWINGS DOWN LIGHT AND RIGHT UP
HEAVY

2522 ⊢ BOX DRAWINGS UP LIGHT AND RIGHT DOWN
HEAVY

2523 ⊢ BOX DRAWINGS HEAVY VERTICAL AND RIGHT

2524 ⊢ BOX DRAWINGS LIGHT VERTICAL AND LEFT
= Videotex Mosaic DG 21

2525 ⊢ BOX DRAWINGS VERTICAL LIGHT AND LEFT
HEAVY
= Videotex Mosaic DG 04

2526 ⊢ BOX DRAWINGS UP HEAVY AND LEFT DOWN
LIGHT

2527 ⊢ BOX DRAWINGS DOWN HEAVY AND LEFT UP
LIGHT

2528 ⊢ BOX DRAWINGS VERTICAL HEAVY AND LEFT
LIGHT

2529 ⊢ BOX DRAWINGS DOWN LIGHT AND LEFT UP
HEAVY

252A ⊢ BOX DRAWINGS UP LIGHT AND LEFT DOWN
HEAVY

252B ⊢ BOX DRAWINGS HEAVY VERTICAL AND LEFT

252C ⊢ BOX DRAWINGS LIGHT DOWN AND
HORIZONTAL
= Videotex Mosaic DG 22

252D ⊢ BOX DRAWINGS LEFT HEAVY AND RIGHT
DOWN LIGHT

252E ⊢ BOX DRAWINGS RIGHT HEAVY AND LEFT
DOWN LIGHT

252F ⊢ BOX DRAWINGS DOWN LIGHT AND
HORIZONTAL HEAVY
= Videotex Mosaic DG 02

2530 ⊢ BOX DRAWINGS DOWN HEAVY AND
HORIZONTAL LIGHT

2531 ⊢ BOX DRAWINGS RIGHT LIGHT AND LEFT
DOWN HEAVY

2532 ⊢ BOX DRAWINGS LEFT LIGHT AND RIGHT
DOWN HEAVY

2533 ⊢ BOX DRAWINGS HEAVY DOWN AND
HORIZONTAL

2534 ⊢ BOX DRAWINGS LIGHT UP AND HORIZONTAL
= Videotex Mosaic DG 23

2535 ⊢ BOX DRAWINGS LEFT HEAVY AND RIGHT UP
LIGHT

2536 ⊢ BOX DRAWINGS RIGHT HEAVY AND LEFT UP
LIGHT

2537 ⊢ BOX DRAWINGS UP LIGHT AND HORIZONTAL
HEAVY
= Videotex Mosaic DG 01

2538 ⊢ BOX DRAWINGS UP HEAVY AND HORIZONTAL
LIGHT

2539 ⊢ BOX DRAWINGS RIGHT LIGHT AND LEFT UP
HEAVY

253A ⊢ BOX DRAWINGS LEFT LIGHT AND RIGHT UP
HEAVY

253B ⊢ BOX DRAWINGS HEAVY UP AND HORIZONTAL

253C ⊢ BOX DRAWINGS LIGHT VERTICAL AND
HORIZONTAL
= Videotex Mosaic DG 24

253D ⊢ BOX DRAWINGS LEFT HEAVY AND RIGHT
VERTICAL LIGHT

253E ⊢ BOX DRAWINGS RIGHT HEAVY AND LEFT
VERTICAL LIGHT

253F ⊢ BOX DRAWINGS VERTICAL LIGHT AND
HORIZONTAL HEAVY
= Videotex Mosaic DG 13

2540 ⊢ BOX DRAWINGS UP HEAVY AND DOWN
HORIZONTAL LIGHT

2541	†	BOX DRAWINGS DOWN HEAVY AND UP HORIZONTAL LIGHT
2542	⊕	BOX DRAWINGS VERTICAL HEAVY AND HORIZONTAL LIGHT
2543	⊕	BOX DRAWINGS LEFT UP HEAVY AND RIGHT DOWN LIGHT
2544	⊕	BOX DRAWINGS RIGHT UP HEAVY AND LEFT DOWN LIGHT
2545	⊕	BOX DRAWINGS LEFT DOWN HEAVY AND RIGHT UP LIGHT
2546	⊕	BOX DRAWINGS RIGHT DOWN HEAVY AND LEFT UP LIGHT
2547	⊕	BOX DRAWINGS DOWN LIGHT AND UP HORIZONTAL HEAVY
2548	⊕	BOX DRAWINGS UP LIGHT AND DOWN HORIZONTAL HEAVY
2549	⊕	BOX DRAWINGS RIGHT LIGHT AND LEFT VERTICAL HEAVY
254A	⊕	BOX DRAWINGS LEFT LIGHT AND RIGHT VERTICAL HEAVY
254B	⊕	BOX DRAWINGS HEAVY VERTICAL AND HORIZONTAL

Light and heavy dashed lines

254C	--	BOX DRAWINGS LIGHT DOUBLE DASH HORIZONTAL
254D	--	BOX DRAWINGS HEAVY DOUBLE DASH HORIZONTAL
254E	⋮	BOX DRAWINGS LIGHT DOUBLE DASH VERTICAL
254F	⋮	BOX DRAWINGS HEAVY DOUBLE DASH VERTICAL

Double lines

2550	—	BOX DRAWINGS DOUBLE HORIZONTAL
2551	|	BOX DRAWINGS DOUBLE VERTICAL

Light and double line box components

2552	┌	BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE
2553	┌	BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE
2554	┌	BOX DRAWINGS DOUBLE DOWN AND RIGHT SINGLE
2555	┐	BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE
2556	┐	BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE
2557	┐	BOX DRAWINGS DOUBLE DOWN AND LEFT SINGLE
2558	└	BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE
2559	└	BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE
255A	└	BOX DRAWINGS DOUBLE UP AND RIGHT SINGLE
255B	┘	BOX DRAWINGS UP SINGLE AND LEFT DOUBLE
255C	┘	BOX DRAWINGS UP DOUBLE AND LEFT SINGLE
255D	┘	BOX DRAWINGS DOUBLE UP AND LEFT SINGLE
255E	⊔	BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE
255F	⊔	BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE
2560	⊔	BOX DRAWINGS DOUBLE VERTICAL AND RIGHT SINGLE
2561	⊔	BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE
2562	⊔	BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE
2563	⊔	BOX DRAWINGS DOUBLE VERTICAL AND LEFT SINGLE

2564	┘	BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE
2565	┘	BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE
2566	┘	BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL
2567	⊥	BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE
2568	⊥	BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE
2569	⊥	BOX DRAWINGS DOUBLE UP AND HORIZONTAL
256A	⊕	BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE
256B	⊕	BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE
256C	⊕	BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL

Character cell arcs

256D	┘	BOX DRAWINGS LIGHT ARC DOWN AND RIGHT
256E	┘	BOX DRAWINGS LIGHT ARC DOWN AND LEFT
256F	┘	BOX DRAWINGS LIGHT ARC UP AND LEFT
2570	┘	BOX DRAWINGS LIGHT ARC UP AND RIGHT

Character cell diagonals



























2571	/	BOX DRAWINGS LIGHT DIAGONAL UPPER RIGHT TO LOWER LEFT • not intended for mathematical symbol \diagup → 005C \ reverse solidus → 2216 \ set minus → 29F5 \ reverse solidus operator
2572	\	BOX DRAWINGS LIGHT DIAGONAL UPPER LEFT TO LOWER RIGHT • not intended for mathematical symbol \diagdown → 002F / solidus → 2044 / fraction slash → 2215 / division slash
2573	X	BOX DRAWINGS LIGHT DIAGONAL CROSS → 2613 X saltire → 2715 X multiplication x

Light and heavy half lines










2574	-	BOX DRAWINGS LIGHT LEFT
2575	┌	BOX DRAWINGS LIGHT UP
2576	-	BOX DRAWINGS LIGHT RIGHT
2577	└	BOX DRAWINGS LIGHT DOWN
2578	-	BOX DRAWINGS HEAVY LEFT
2579	┌	BOX DRAWINGS HEAVY UP
257A	-	BOX DRAWINGS HEAVY RIGHT
257B	└	BOX DRAWINGS HEAVY DOWN

Mixed light and heavy lines









257C	—	BOX DRAWINGS LIGHT LEFT AND HEAVY RIGHT
257D	┌	BOX DRAWINGS LIGHT UP AND HEAVY DOWN
257E	—	BOX DRAWINGS HEAVY LEFT AND LIGHT RIGHT
257F	┌	BOX DRAWINGS HEAVY UP AND LIGHT DOWN

	258	259
0	 2580	 2590
1	 2581	 2591
2	 2582	 2592
3	 2583	 2593
4	 2584	 2594
5	 2585	 2595
6	 2586	 2596
7	 2587	 2597
8	 2588	 2598
9	 2589	 2599
A	 258A	 259A
B	 258B	 259B
C	 258C	 259C
D	 258D	 259D
E	 258E	 259E
F	 258F	 259F




Block elements

- 2580  UPPER HALF BLOCK
- 2581  LOWER ONE EIGHTH BLOCK
- 2582  LOWER ONE QUARTER BLOCK
- 2583  LOWER THREE EIGHTHS BLOCK
- 2584  LOWER HALF BLOCK
- 2585  LOWER FIVE EIGHTHS BLOCK
- 2586  LOWER THREE QUARTERS BLOCK
- 2587  LOWER SEVEN EIGHTHS BLOCK
- 2588  FULL BLOCK



= solid
→ 25A0  black square

- 2589  LEFT SEVEN EIGHTHS BLOCK
- 258A  LEFT THREE QUARTERS BLOCK
- 258B  LEFT FIVE EIGHTHS BLOCK
- 258C  LEFT HALF BLOCK
- 258D  LEFT THREE EIGHTHS BLOCK
- 258E  LEFT ONE QUARTER BLOCK
- 258F  LEFT ONE EIGHTH BLOCK
- 2590  RIGHT HALF BLOCK











Shade characters

































































































- 2591  LIGHT SHADE
• 25%
- 2592  MEDIUM SHADE
• 50%
- 2593  DARK SHADE
• 75%

Block elements

- 2594  UPPER ONE EIGHTH BLOCK
- 2595  RIGHT ONE EIGHTH BLOCK

Terminal graphic characters














































- 2596  QUADRANT LOWER LEFT
- 2597  QUADRANT LOWER RIGHT
- 2598  QUADRANT UPPER LEFT
- 2599  QUADRANT UPPER LEFT AND LOWER LEFT AND LOWER RIGHT
- 259A  QUADRANT UPPER LEFT AND LOWER RIGHT
- 259B  QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER LEFT
- 259C  QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER RIGHT
- 259D  QUADRANT UPPER RIGHT
- 259E  QUADRANT UPPER RIGHT AND LOWER LEFT
- 259F  QUADRANT UPPER RIGHT AND LOWER LEFT AND LOWER RIGHT

	25A	25B	25C	25D	25E	25F
0	 25A0	 25B0	 25C0	 25D0	 25E0	 25F0
1	 25A1	 25B1	 25C1	 25D1	 25E1	 25F1
2	 25A2	 25B2	 25C2	 25D2	 25E2	 25F2
3	 25A3	 25B3	 25C3	 25D3	 25E3	 25F3
4	 25A4	 25B4	 25C4	 25D4	 25E4	 25F4
5	 25A5	 25B5	 25C5	 25D5	 25E5	 25F5
6	 25A6	 25B6	 25C6	 25D6	 25E6	 25F6
7	 25A7	 25B7	 25C7	 25D7	 25E7	 25F7
8	 25A8	 25B8	 25C8	 25D8	 25E8	 25F8
9	 25A9	 25B9	 25C9	 25D9	 25E9	 25F9
A	 25AA	 25BA	 25CA	 25DA	 25EA	 25FA
B	 25AB	 25BB	 25CB	 25DB	 25EB	 25FB
C	 25AC	 25BC	 25CC	 25DC	 25EC	 25FC
D	 25AD	 25BD	 25CD	 25DD	 25ED	 25FD
E	 25AE	 25BE	 25CE	 25DE	 25EE	 25FE
F	 25AF	 25BF	 25CF	 25DF	 25EF	 25FF









Geometric shapes

Other geometric shapes complementing this set are found in the Miscellaneous Symbols and Arrows block.





- 25A0 ■ **BLACK SQUARE**
= moding mark (in ideographic text)
→ 2588 ■ full block
→ 2B1B ■ black large square
- 25A1 □ **WHITE SQUARE**
= quadrature
= alchemical symbol for salt
• may be used to represent a missing ideograph
→ 20DE □ combining enclosing square
→ 2610 □ ballot box
→ 2B1C □ white large square
→ 3013 ■ geta mark
- 25A2 ◻ **WHITE SQUARE WITH ROUNDED CORNERS**
- 25A3 ◼ **WHITE SQUARE CONTAINING BLACK SMALL SQUARE**
- 25A4 ▨ **SQUARE WITH HORIZONTAL FILL**
- 25A5 ▩ **SQUARE WITH VERTICAL FILL**
- 25A6 ▧ **SQUARE WITH ORTHOGONAL CROSSHATCH FILL**
- 25A7 ▦ **SQUARE WITH UPPER LEFT TO LOWER RIGHT FILL**
- 25A8 ▧ **SQUARE WITH UPPER RIGHT TO LOWER LEFT FILL**
- 25A9 ▨ **SQUARE WITH DIAGONAL CROSSHATCH FILL**
- 25AA ▪ **BLACK SMALL SQUARE**
→ 2B1D ▪ black very small square
- 25AB ◻ **WHITE SMALL SQUARE**
→ 2B1E ◻ white very small square
- 25AC ▭ **BLACK RECTANGLE**
- 25AD ◻ **WHITE RECTANGLE**
- 25AE ▮ **BLACK VERTICAL RECTANGLE**
= histogram marker
→ 220E ▮ end of proof
- 25AF ◻ **WHITE VERTICAL RECTANGLE**
→ 2337 ◻ apl functional symbol squish quad
→ 2395 ◻ apl functional symbol quad
- 25B0 ▭ **BLACK PARALLELOGRAM**
- 25B1 ◻ **WHITE PARALLELOGRAM**
- 25B2 ▲ **BLACK UP-POINTING TRIANGLE**
→ 26F0 ▲ mountain
→ 1F53A ▲ up-pointing red triangle
- 25B3 △ **WHITE UP-POINTING TRIANGLE**
= trine
→ 20E4 △ combining enclosing upward pointing triangle
→ 2206 △ increment
→ 1F702 △ alchemical symbol for fire
- 25B4 ▲ **BLACK UP-POINTING SMALL TRIANGLE**
→ 1F53C ▲ up-pointing small red triangle
- 25B5 ▲ **WHITE UP-POINTING SMALL TRIANGLE**
- 25B6 ► **BLACK RIGHT-POINTING TRIANGLE**
- 25B7 ▷ **WHITE RIGHT-POINTING TRIANGLE**
= z notation range restriction
- 25B8 ▶ **BLACK RIGHT-POINTING SMALL TRIANGLE**
→ 2023 ▶ triangular bullet
- 25B9 ▶ **WHITE RIGHT-POINTING SMALL TRIANGLE**
- 25BA ▶ **BLACK RIGHT-POINTING POINTER**
- 25BB ▷ **WHITE RIGHT-POINTING POINTER**
= forward arrow indicator
→ 22B3 ▷ contains as normal subgroup
- 25BC ▼ **BLACK DOWN-POINTING TRIANGLE**
→ 1F53B ▼ down-pointing red triangle
- 25BD ▽ **WHITE DOWN-POINTING TRIANGLE**
= Hamilton operator
→ 2207 ▽ nabla
→ 26DB ▽ heavy white down-pointing triangle
→ 1F704 ▽ alchemical symbol for water
- 25BE ▾ **BLACK DOWN-POINTING SMALL TRIANGLE**
→ 1F53D ▾ down-pointing small red triangle
- 25BF ▾ **WHITE DOWN-POINTING SMALL TRIANGLE**
- 25C0 ◀ **BLACK LEFT-POINTING TRIANGLE**
- 25C1 ◁ **WHITE LEFT-POINTING TRIANGLE**
= z notation domain restriction
- 25C2 ◄ **BLACK LEFT-POINTING SMALL TRIANGLE**
- 25C3 ◄ **WHITE LEFT-POINTING SMALL TRIANGLE**
- 25C4 ◄ **BLACK LEFT-POINTING POINTER**
- 25C5 ◄ **WHITE LEFT-POINTING POINTER**
= backward arrow indicator
→ 22B2 ◄ normal subgroup of
- 25C6 ◆ **BLACK DIAMOND**
→ 2666 ◆ black diamond suit
→ 2B25 ◆ black medium diamond
→ 1F536 ◆ large orange diamond
- 25C7 ◇ **WHITE DIAMOND**
→ 20DF ◇ combining enclosing diamond
→ 22C4 ◇ diamond operator
→ 2662 ◇ white diamond suit
→ 2B26 ◇ white medium diamond
→ 1F754 ◇ alchemical symbol for soap
- 25C8 ◇ **WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND**
- 25C9 ● **FISHEYE**
= tainome (Japanese, a kind of bullet)
- 25CA ◇ **LOZENGE**
→ 2662 ◇ white diamond suit
- 25CB ○ **WHITE CIRCLE**
→ 20DD ○ combining enclosing circle
→ 25EF ○ large circle
→ 2B58 ○ heavy circle
→ 3007 ○ ideographic number zero
→ 1F315 ○ full moon symbol
- 25CC ◉ **DOTTED CIRCLE**
• note that the reference glyph for this character is intentionally larger than the dotted circle glyph used to indicate combining characters in this standard; see, for example, 0300 ◌
- 25CD ◐ **CIRCLE WITH VERTICAL FILL**
- 25CE ◎ **BULLSEYE**
→ 229A ◎ circled ring operator
→ 2B57 ◎ heavy circle with circle inside
→ 1F3AF ◎ direct hit
- 25CF ● **BLACK CIRCLE**
→ 2B24 ● black large circle
→ 1F311 ● new moon symbol
→ 1F534 ● large red circle
- 25D0 ◐ **CIRCLE WITH LEFT HALF BLACK**
→ 1F313 ◐ first quarter moon symbol
- 25D1 ◑ **CIRCLE WITH RIGHT HALF BLACK**
→ 1F317 ◑ last quarter moon symbol
- 25D2 ◒ **CIRCLE WITH LOWER HALF BLACK**
- 25D3 ◓ **CIRCLE WITH UPPER HALF BLACK**
- 25D4 ◔ **CIRCLE WITH UPPER RIGHT QUADRANT BLACK**

25D5		CIRCLE WITH ALL BUT UPPER LEFT QUADRANT BLACK	25FB		WHITE MEDIUM SQUARE = always (modal operator) → 25A1  white square
25D6		LEFT HALF BLACK CIRCLE	25FC		BLACK MEDIUM SQUARE → 25A0  black square
25D7		RIGHT HALF BLACK CIRCLE	25FD		WHITE MEDIUM SMALL SQUARE → 25AB  white small square
25D8		INVERSE BULLET → 2022 • bullet → 25E6 ◦ white bullet	25FE		BLACK MEDIUM SMALL SQUARE → 25AA  black small square
25D9		INVERSE WHITE CIRCLE	25FF		LOWER RIGHT TRIANGLE → 22BF  right triangle
25DA		UPPER HALF INVERSE WHITE CIRCLE			
25DB		LOWER HALF INVERSE WHITE CIRCLE			
25DC		UPPER LEFT QUADRANT CIRCULAR ARC			
25DD		UPPER RIGHT QUADRANT CIRCULAR ARC			
25DE		LOWER RIGHT QUADRANT CIRCULAR ARC			
25DF		LOWER LEFT QUADRANT CIRCULAR ARC			
25E0		UPPER HALF CIRCLE → 2312  arc			
25E1		LOWER HALF CIRCLE			
25E2		BLACK LOWER RIGHT TRIANGLE			
25E3		BLACK LOWER LEFT TRIANGLE			
25E4		BLACK UPPER LEFT TRIANGLE			
25E5		BLACK UPPER RIGHT TRIANGLE			
25E6		WHITE BULLET → 2022 • bullet → 2218 ◦ ring operator → 25D8  inverse bullet			
25E7		SQUARE WITH LEFT HALF BLACK → 2B12  square with top half black			
25E8		SQUARE WITH RIGHT HALF BLACK			
25E9		SQUARE WITH UPPER LEFT DIAGONAL HALF BLACK			
25EA		SQUARE WITH LOWER RIGHT DIAGONAL HALF BLACK			
25EB		WHITE SQUARE WITH VERTICAL BISECTING LINE			
25EC		WHITE UP-POINTING TRIANGLE WITH DOT			
25ED		UP-POINTING TRIANGLE WITH LEFT HALF BLACK			
25EE		UP-POINTING TRIANGLE WITH RIGHT HALF BLACK			
25EF		LARGE CIRCLE → 20DD  combining enclosing circle → 25CB  white circle → 2B24  black large circle → 2B55  heavy large circle → 3007  ideographic number zero			

Control code graphics

25F0		WHITE SQUARE WITH UPPER LEFT QUADRANT
25F1		WHITE SQUARE WITH LOWER LEFT QUADRANT
25F2		WHITE SQUARE WITH LOWER RIGHT QUADRANT
25F3		WHITE SQUARE WITH UPPER RIGHT QUADRANT
25F4		WHITE CIRCLE WITH UPPER LEFT QUADRANT
25F5		WHITE CIRCLE WITH LOWER LEFT QUADRANT
25F6		WHITE CIRCLE WITH LOWER RIGHT QUADRANT
25F7		WHITE CIRCLE WITH UPPER RIGHT QUADRANT

Geometric shapes

25F8		UPPER LEFT TRIANGLE
25F9		UPPER RIGHT TRIANGLE
25FA		LOWER LEFT TRIANGLE → 22BF  right triangle

	260	261	262	263	264	265	266	267	268	269	26A	26B	26C	26D	26E	26F
0	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	26A0	26B0	26C0	26D0	26E0	26F0
1	2601	2611	2621	2631	2641	2651	2661	2671	2681	2691	26A1	26B1	26C1	26D1	26E1	26F1
2	2602	2612	2622	2632	2642	2652	2662	2672	2682	2692	26A2	26B2	26C2	26D2	26E2	26F2
3	2603	2613	2623	2633	2643	2653	2663	2673	2683	2693	26A3	26B3	26C3	26D3	26E3	26F3
4	2604	2614	2624	2634	2644	2654	2664	2674	2684	2694	26A4	26B4	26C4	26D4	26E4	26F4
5	2605	2615	2625	2635	2645	2655	2665	2675	2685	2695	26A5	26B5	26C5	26D5	26E5	26F5
6	2606	2616	2626	2636	2646	2656	2666	2676	2686	2696	26A6	26B6	26C6	26D6	26E6	26F6
7	2607	2617	2627	2637	2647	2657	2667	2677	2687	2697	26A7	26B7	26C7	26D7	26E7	26F7
8	2608	2618	2628	2638	2648	2658	2668	2678	2688	2698	26A8	26B8	26C8	26D8	26E8	26F8
9	2609	2619	2629	2639	2649	2659	2669	2679	2689	2699	26A9	26B9	26C9	26D9	26E9	26F9
A	260A	261A	262A	263A	264A	265A	266A	267A	268A	269A	26AA	26BA	26CA	26DA	26EA	26FA
B	260B	261B	262B	263B	264B	265B	266B	267B	268B	269B	26AB	26BB	26CB	26DB	26EB	26FB
C	260C	261C	262C	263C	264C	265C	266C	267C	268C	269C	26AC	26BC	26CC	26DC	26EC	26FC
D	260D	261D	262D	263D	264D	265D	266D	267D	268D	269D	26AD	26BD	26CD	26DD	26ED	26FD
E	260E	261E	262E	263E	264E	265E	266E	267E	268E	269E	26AE	26BE	26CE	26DE	26EE	26FE
F	260F	261F	262F	263F	264F	265F	266F	267F	268F	269F	26AF	26BF	26CF	26DF	26EF	26FF

Weather and astrological symbols

- 2600 ☀ BLACK SUN WITH RAYS
= clear weather
→ 2609 ☀ sun
→ 1F506 ✨ high brightness symbol
- 2601 ☁ CLOUD
= cloudy weather
- 2602 ☂ UMBRELLA
= rainy weather
→ 1F302 🌂 closed umbrella
- 2603 ☃ SNOWMAN
= snowy weather
- 2604 ☄ COMET
- 2605 ★ BLACK STAR
→ 22C6 ⬠ star operator
- 2606 ☆ WHITE STAR
→ 2729 ☆ stress outlined white star
→ 1F31F ✨ glowing star
- 2607 ⚡ LIGHTNING
- 2608 ⚡ THUNDERSTORM
- 2609 ☉ SUN
= alchemical symbol for gold
→ 2299 ☉ circled dot operator
→ 2600 ☀ black sun with rays
→ 263C ☀ white sun with rays
→ 1F31E ☀ sun with face
- 260A ♀ ASCENDING NODE
= alchemical symbol for sublimate
- 260B ♂ DESCENDING NODE
= alchemical symbol for purify
→ 1F763 ♀ alchemical symbol for purify
- 260C ♄ CONJUNCTION
= alchemical symbol for day
- 260D ♅ OPPOSITION

Miscellaneous symbols

- 260E ☎ BLACK TELEPHONE
→ 2121 ☎ telephone sign
→ 2706 📍 telephone location sign
→ 1F4DE 📞 telephone receiver
- 260F ☎ WHITE TELEPHONE
- 2610 □ BALLOT BOX
→ 25A1 □ white square
- 2611 ☑ BALLOT BOX WITH CHECK
- 2612 ☒ BALLOT BOX WITH X
→ 22A0 ☒ squared times
- 2613 X SALTIRE
= St. Andrew's Cross
→ 2717 X ballot x

Weather symbol

- 2614 ☔ UMBRELLA WITH RAIN DROPS
= showery weather

Miscellaneous symbol

- 2615 ☕ HOT BEVERAGE
= tea or coffee, depending on locale
• can be used to indicate a wait
→ 231A ⌚ watch
→ 231B ⌚ hourglass
→ 1F375 ☕ teacup without handle

Japanese chess symbols

- 2616 ♔ WHITE SHOGI PIECE
- 2617 ♜ BLACK SHOGI PIECE

Miscellaneous symbols

- 2618 ✨ SHAMROCK
→ 1F340 🍀 four leaf clover
- 2619 🌀 REVERSED ROTATED FLORAL HEART BULLET
• a binding signature mark
→ 2767 🌀 rotated floral heart bullet

Pointing hand symbols

- 261A 🖐 BLACK LEFT POINTING INDEX
- 261B 🖐 BLACK RIGHT POINTING INDEX
- 261C 🖐 WHITE LEFT POINTING INDEX
→ 1F448 🖐 white left pointing backhand index
- 261D 🖐 WHITE UP POINTING INDEX
- 261E 🖐 WHITE RIGHT POINTING INDEX
= fist (typographic term)
- 261F 🖐 WHITE DOWN POINTING INDEX

Warning signs

- 2620 ☠ SKULL AND CROSSBONES
= poison
- 2621 ⚠ CAUTION SIGN
- 2622 ☢ RADIOACTIVE SIGN
- 2623 ☣ BIOHAZARD SIGN

Medical and healing symbols

- 2624 🏥 CADUCEUS
→ 2695 🏥 staff of aesculapius
→ 1F750 → alchemical symbol for caduceus
- 2625 ♀ ANKH

Religious and political symbols

- 2626 ✝ ORTHODOX CROSS
- 2627 ✝ CHI RHO
= Constantine's cross, Christogram
→ 2CE9 ✝ coptic symbol khi ro
- 2628 ✝ CROSS OF LORRAINE
- 2629 ✝ CROSS OF JERUSALEM
→ 1F70A ✝ alchemical symbol for vinegar
- 262A ☾ STAR AND CRESCENT
- 262B 🇮🇷 FARSI SYMBOL
= symbol of iran (1.0)
- 262C 🌀 ADI SHAKTI
= Gurmukhi khanda
- 262D 🪓 HAMMER AND SICKLE
- 262E ☮ PEACE SYMBOL
- 262F ☯ YIN YANG
→ 0FCA ☯ tibetan symbol nor bu nyis -khyil

Yijing trigram symbols

- 2630 ☰ TRIGRAM FOR HEAVEN
= qian2
- 2631 ☱ TRIGRAM FOR LAKE
= dui4
- 2632 ☲ TRIGRAM FOR FIRE
= li2
- 2633 ☳ TRIGRAM FOR THUNDER
= zhen4
- 2634 ☴ TRIGRAM FOR WIND
= xun4
- 2635 ☵ TRIGRAM FOR WATER
= kan3
- 2636 ☶ TRIGRAM FOR MOUNTAIN
= gen4
- 2637 ☷ TRIGRAM FOR EARTH
= kun1

Miscellaneous symbol

2638 ☸ WHEEL OF DHARMA
→ 2388 ☸ helm symbol

Emoticons

Many other emoticons are encoded in the Emoticons block starting at U+1F600.

2639 ☹ WHITE FROWNING FACE

263A 😊 WHITE SMILING FACE
= have a nice day!

263B 😄 BLACK SMILING FACE

Miscellaneous symbol

263C ☉ WHITE SUN WITH RAYS
= compass
→ 2609 ☀ sun
→ 1F506 ✨ high brightness symbol

Astrological symbols

263D ☾ FIRST QUARTER MOON
= alchemical symbol for silver

263E ☾ LAST QUARTER MOON
= alchemical symbol for silver
→ 1F319 🌘 crescent moon

263F ♀ MERCURY
= alchemical symbol for quicksilver

2640 ♀ FEMALE SIGN
= Venus
= alchemical symbol for copper
→ 1F469 🧑 woman
→ 1F6BA 🧑 womens symbol

2641 ♂ EARTH
= alchemical symbol for antimony
→ 1F728 ♂ alchemical symbol for verdigris

2642 ♂ MALE SIGN
= Mars
= alchemical symbol for iron
→ 1F468 🧑 man
→ 1F6B9 🧑 mens symbol

2643 ♃ JUPITER
= alchemical symbol for tin

2644 ♄ SATURN
= alchemical symbol for lead

2645 ♅ URANUS
→ 26E2 ♅ astronomical symbol for uranus

2646 ♆ NEPTUNE
= alchemical symbol for bismuth/tinglass

2647 ♇ PLUTO

Zodiacal symbols

2648 ♈ ARIES

2649 ♉ TAURUS

264A ♊ GEMINI

264B ♋ CANCER

264C ♌ LEO

264D ♍ VIRGO
= minim (alternate glyph)

264E ♎ LIBRA
→ 1F75E ♎ alchemical symbol for sublimation

264F ♏ SCORPIUS
= scorio
= minim, drop

2650 ♐ SAGITTARIUS

2651 ♑ CAPRICORN

2652 ♒ AQUARIUS

2653 ♓ PISCES

Chess symbols

2654 ♔ WHITE CHESS KING

2655 ♑ WHITE CHESS QUEEN

2656 ♖ WHITE CHESS ROOK

2657 ♗ WHITE CHESS BISHOP

2658 ♘ WHITE CHESS KNIGHT

2659 ♙ WHITE CHESS PAWN

265A ♚ BLACK CHESS KING

265B ♛ BLACK CHESS QUEEN

265C ♜ BLACK CHESS ROOK

265D ♝ BLACK CHESS BISHOP

265E ♞ BLACK CHESS KNIGHT

265F ♟ BLACK CHESS PAWN

Playing card symbols

2660 ♠ BLACK SPADE SUIT

2661 ♥ WHITE HEART SUIT

2662 ♦ WHITE DIAMOND SUIT
→ 25C7 ♦ white diamond
→ 25CA ♦ lozenge

2663 ♣ BLACK CLUB SUIT
→ 2618 ♣ shamrock

2664 ♠ WHITE SPADE SUIT

2665 ♥ BLACK HEART SUIT
= valentine
→ 2764 ♥ heavy black heart
→ 1F499 ♥ blue heart

2666 ♦ BLACK DIAMOND SUIT
→ 25C6 ♦ black diamond

2667 ♣ WHITE CLUB SUIT

Miscellaneous symbol

2668 ♨ HOT SPRINGS

Musical symbols

2669 ♩ QUARTER NOTE
= crotchet
→ 1D15F ♩ musical symbol quarter note

266A ♪ EIGHTH NOTE
= quaver
→ 1D160 ♪ musical symbol eighth note
→ 1F3B5 🎵 musical note

266B 🎵 BEAMED EIGHTH NOTES
= beamed quavers
→ 1F3B6 🎵 multiple musical notes

266C 🎵 BEAMED SIXTEENTH NOTES
= beamed semiquavers

266D ♭ MUSIC FLAT SIGN

266E ♮ MUSIC NATURAL SIGN

266F ♯ MUSIC SHARP SIGN
= z notation infix bag count
→ 0023 # number sign

Syriac cross symbols

These symbols are used in liturgical texts of Syriac-speaking churches.

2670 ✝ WEST SYRIAC CROSS

2671 ✝ EAST SYRIAC CROSS

Recycling symbols

2672 ♻ UNIVERSAL RECYCLING SYMBOL
• used as generic symbol for recycling or to indicate that material is recyclable

- 2673 ♻️ RECYCLING SYMBOL FOR TYPE-1 PLASTICS
• polyethylene terephthalate
- 2674 ♻️ RECYCLING SYMBOL FOR TYPE-2 PLASTICS
• high density polyethylene
- 2675 ♻️ RECYCLING SYMBOL FOR TYPE-3 PLASTICS
• vinyl, polyvinyl chloride
- 2676 ♻️ RECYCLING SYMBOL FOR TYPE-4 PLASTICS
• low density polyethylene
- 2677 ♻️ RECYCLING SYMBOL FOR TYPE-5 PLASTICS
• polypropylene
- 2678 ♻️ RECYCLING SYMBOL FOR TYPE-6 PLASTICS
• polystyrene
- 2679 ♻️ RECYCLING SYMBOL FOR TYPE-7 PLASTICS
• other plastics
- 267A ♻️ RECYCLING SYMBOL FOR GENERIC MATERIALS
• used together with other text and labels to indicate the type of material to be recycled
- 267B ♻️ BLACK UNIVERSAL RECYCLING SYMBOL
→ 1F501 ↻ clockwise rightwards and leftwards open circle arrows
- 267C ♻️ RECYCLED PAPER SYMBOL
• used to indicate 100% recycled paper content
- 267D ♻️ PARTIALLY-RECYCLED PAPER SYMBOL
• percentage of recycled paper content indicated in overlay or next to this symbol

Miscellaneous symbols

- 267E ☹️ PERMANENT PAPER SIGN
- 267F ♿ WHEELCHAIR SYMBOL

Dice

- 2680 🎲 DIE FACE-1
→ 1F3B2 🎲 game die
- 2681 🎲 DIE FACE-2
- 2682 🎲 DIE FACE-3
- 2683 🎲 DIE FACE-4
- 2684 🎲 DIE FACE-5
- 2685 🎲 DIE FACE-6

Go markers

- 2686 ⦿ WHITE CIRCLE WITH DOT RIGHT
- 2687 ⦿ WHITE CIRCLE WITH TWO DOTS
→ 1F636 😊 face without mouth
- 2688 ⦿ BLACK CIRCLE WITH WHITE DOT RIGHT
- 2689 ⦿ BLACK CIRCLE WITH TWO WHITE DOTS

Yijing monogram and digram symbols

These form a subset of the larger collection found in the Tai Xuan Jing Symbols block.

- 268A ☯️ MONOGRAM FOR YANG
- 268B ☯️ MONOGRAM FOR YIN
- 268C ☰ DIGRAM FOR GREATER YANG
- 268D ☱ DIGRAM FOR LESSER YIN
- 268E ☲ DIGRAM FOR LESSER YANG
- 268F ☳ DIGRAM FOR GREATER YIN

Dictionary and map symbols

- 2690 🚩 WHITE FLAG
- 2691 🚩 BLACK FLAG
- 2692 ⚒️ HAMMER AND PICK
= mining, working day (in timetables)
→ 26CF ⚒️ pick
- 2693 ⚓ ANCHOR
= nautical term, harbor (on maps)

- 2694 ✂️ CROSSED SWORDS
= military term, battleground (on maps), killed in action
- 2695 ⚕️ STAFF OF AESCULAPIUS
= medical term
• both inclined or upright renderings of this symbol are common
→ 2624 🏵️ caduceus
- 2696 ⚖️ SCALES
= legal term, jurisprudence
- 2697 ⚗️ ALEMBIC
= chemical term, chemistry
- 2698 🌷 FLOWER
= botanical term
→ 2055 * flower punctuation mark
→ 2740 🌸 white florette
→ 1F337 🌷 tulip
- 2699 ⚙️ GEAR
= technology, tools
- 269A ⚡ STAFF OF HERMES
• signifies a commercial term or commerce
• glyph shows a heraldic staff with a winged wheel
- 269B ☢️ ATOM SYMBOL
= nuclear installation (on maps)

Miscellaneous symbols

- 269C 🌸 FLEUR-DE-LIS
- 269D ☆ OUTLINED WHITE STAR
• alternative form of the interlaced pentagram (a symbol of Morocco)
→ 26E5 ☆ right-handed interlaced pentagram

Symbols for closed captioning from ARIB STD B24

- 269E ≧ THREE LINES CONVERGING RIGHT
= someone speaking
- 269F ≦ THREE LINES CONVERGING LEFT
= background speaking

Miscellaneous symbols

- 26A0 ⚠️ WARNING SIGN
- 26A1 ⚡ HIGH VOLTAGE SIGN
= thunder
= lightning symbol

Gender symbols

- 26A2 ♀ DOUBLED FEMALE SIGN
= lesbianism
→ 1F46D 👯 two women holding hands
- 26A3 ♂ DOUBLED MALE SIGN
• a glyph variant has the two circles on the same line
= male homosexuality
→ 1F46C 👯 two men holding hands
- 26A4 ⚧ INTERLOCKED FEMALE AND MALE SIGN
• a glyph variant has the two circles on the same line
= bisexuality
- 26A5 ⚧ MALE AND FEMALE SIGN
= transgendered sexuality
= hermaphrodite (in entomology)
- 26A6 ⚧ MALE WITH STROKE SIGN
= transgendered sexuality
= alchemical symbol for iron or crocus of iron
- 26A7 ⚧ MALE WITH STROKE AND MALE AND FEMALE SIGN
= transgendered sexuality

- 26A8 ♂ VERTICAL MALE WITH STROKE SIGN
= alchemical symbol for iron
- 26A9 ♂→ HORIZONTAL MALE WITH STROKE SIGN
= alchemical symbol for iron

Circles

- 26AA ○ MEDIUM WHITE CIRCLE
= asexuality, sexless, genderless
= engaged, betrothed
• base for male or female sign
- 26AB ● MEDIUM BLACK CIRCLE
• UI symbol for record function
- 26AC ○ MEDIUM SMALL WHITE CIRCLE
= engaged, betrothed (genealogy)
• can represent wedding ring

Genealogical symbols

- 26AD ∞ MARRIAGE SYMBOL
→ 221E ∞ infinity
→ 1F492 ⚭ wedding
- 26AE ∞ DIVORCE SYMBOL
→ 29DE ⚭ infinity negated with vertical bar
- 26AF ○○ UNMARRIED PARTNERSHIP SYMBOL
→ 29DF ∞ double-ended multimap
- 26B0 ☠ COFFIN
= buried (genealogy)
→ 25AD □ white rectangle
- 26B1 ☪ FUNERAL URN
= cremated (genealogy)

Gender symbol

- 26B2 ♀ NEUTER

Astrological signs

- 26B3 ♀ CERES
- 26B4 ♀ PALLAS
- 26B5 * JUNO
- 26B6 ♄ VESTA
- 26B7 ♄ CHIRON
- 26B8 ♀ BLACK MOON LILITH
- 26B9 * SEXTILE
→ 002A * asterisk
→ 1F739 ⚗ alchemical symbol for sal-ammoniac
- 26BA ♃ SEMISEXTILE
→ 22BB ♃ xor
- 26BB π QUINCUNX
→ 22BC π nand
- 26BC ▣ SESQUIQUADRATE

Sport symbols

See other sport symbols in the *Miscellaneous Symbols and Pictographs* block.

- 26BD ⚽ SOCCER BALL
- 26BE ⚾ BASEBALL

Miscellaneous symbol from ARIB STD B24

- 26BF 🔒 SQUARED KEY
= parental lock
→ 1F511 🔑 key

Symbols for draughts and checkers

- 26C0 ♁ WHITE DRAUGHTS MAN
- 26C1 ♁ WHITE DRAUGHTS KING
- 26C2 ♁ BLACK DRAUGHTS MAN
- 26C3 ♁ BLACK DRAUGHTS KING

Weather symbols from ARIB STD B24

- 26C4 ☷ SNOWMAN WITHOUT SNOW
= light snow
- 26C5 ☂ SUN BEHIND CLOUD
= partly cloudy
- 26C6 ☔ RAIN
= rainy weather
- 26C7 ⚡ BLACK SNOWMAN
= heavy snow
- 26C8 ☁ THUNDER CLOUD AND RAIN
= thunderstorm

Game symbols from ARIB STD B24

- 26C9 ♠ TURNED WHITE SHOGI PIECE
- 26CA ♠ TURNED BLACK SHOGI PIECE
- 26CB ⬜ WHITE DIAMOND IN SQUARE
→ 233A ⬜ apl functional symbol quad diamond

Traffic signs from ARIB STD B24





- 26CC ✖ CROSSING LANES
= accident
→ 292C ✖ falling diagonal crossing rising diagonal
- 26CD 🚫 DISABLED CAR

Zodiacal symbol

- 26CE ♏ OPHIUCHUS

Traffic signs from ARIB STD B24


- 26CF ⚙ PICK
= under construction
→ 2692 ⚙ hammer and pick
→ 1F6A7 🚧 construction sign
- 26D0 🛼 CAR SLIDING
= icy road
- 26D1 🛑 HELMET WITH WHITE CROSS
= maintenance
- 26D2 ⓧ CIRCLED CROSSING LANES
= road closed
→ 2297 ⓧ circled times
- 26D3 🛞 CHAINS
= tyre chains required
- 26D4 🚫 NO ENTRY
→ 1F6AB 🚫 no entry sign
- 26D5 🚦 ALTERNATE ONE-WAY LEFT WAY TRAFFIC
• left side traffic
- 26D6 🚦 BLACK TWO-WAY LEFT WAY TRAFFIC
• left side traffic
- 26D7 🚦 WHITE TWO-WAY LEFT WAY TRAFFIC
• left side traffic
- 26D8 🚦 BLACK LEFT LANE MERGE
• left side traffic
- 26D9 🚦 WHITE LEFT LANE MERGE
• left side traffic
- 26DA 🚦 DRIVE SLOW SIGN
- 26DB 🚦 HEAVY WHITE DOWN-POINTING TRIANGLE
= drive slow
→ 25BD 🚦 white down-pointing triangle
- 26DC 🚦 LEFT CLOSED ENTRY
- 26DD 🚦 SQUARED SALTIRE
= closed entry
→ 22A0 🚦 squared times
- 26DE 🚦 FALLING DIAGONAL IN WHITE CIRCLE IN BLACK SQUARE
= closed to large vehicles

- 26DF  BLACK TRUCK
= black lorry
= closed to large vehicles, alternate
→ 1F69A  delivery truck
- 26E0  RESTRICTED LEFT ENTRY-1
- 26E1  RESTRICTED LEFT ENTRY-2

Astronomical symbol







- 26E2  ASTRONOMICAL SYMBOL FOR URANUS
→ 2645  uranus

Map symbol from ARIB STD B24

























- 26E3  HEAVY CIRCLE WITH STROKE AND TWO DOTS ABOVE
= public office














Pentagram symbols

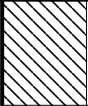































































































































































































These are mystic or occult symbols.

- 26E4  PENTAGRAM
= pentalpha, pentangle
• symbol of various uses, including symbol on Moroccan flag
→ 2606  white star
- 26E5  RIGHT-HANDED INTERLACED PENTAGRAM
• symbol of various countries, including Morocco
→ 269D  outlined white star
- 26E6  LEFT-HANDED INTERLACED PENTAGRAM
• symbol of various countries, including Ethiopia
- 26E7  INVERTED PENTAGRAM

Map symbols from ARIB STD B24

- 26E8  BLACK CROSS ON SHIELD
= hospital
→ 1F3E5  hospital
- 26E9  SHINTO SHRINE
= torii
- 26EA  CHURCH
- 26EB  CASTLE
→ 1F3F0  european castle
- 26EC  HISTORIC SITE
→ 2234 ∴ therefore
- 26ED  GEAR WITHOUT HUB
= factory
→ 2699  gear
→ 1F3ED  factory
- 26EE  GEAR WITH HANDLES
= power plant, power substation
- 26EF  MAP SYMBOL FOR LIGHTHOUSE
- 26F0  MOUNTAIN
→ 25B2  black up-pointing triangle
- 26F1  UMBRELLA ON GROUND
= bathing beach
→ 2602  umbrella
- 26F2  FOUNTAIN
= park
- 26F3  FLAG IN HOLE
= golf course
→ 1F6A9  triangular flag on post
- 26F4  FERRY
= ferry boat terminal
→ 1F6A2  ship
- 26F5  SAILBOAT
= marina or yacht harbour
→ 1F6A3  rowboat
- 26F6  SQUARE FOUR CORNERS
= intersection

- 26F7  SKIER
= ski resort
→ 1F3BF  ski and ski boot
- 26F8  ICE SKATE
= ice skating rink
- 26F9  PERSON WITH BALL
= track and field, gymnasium
- 26FA  TENT
= camping site
- 26FB  JAPANESE BANK SYMBOL
→ 1F3E6  bank
- 26FC  HEADSTONE GRAVEYARD SYMBOL
= graveyard, memorial park, cemetery
- 26FD  FUEL PUMP
= petrol station, gas station
- 26FE  CUP ON BLACK SQUARE
= drive-in restaurant
→ 2615  hot beverage
→ 1F375  teacup without handle
- 26FF  WHITE FLAG WITH HORIZONTAL MIDDLE BLACK STRIPE
= Japanese self-defence force site

	270	271	272	273	274	275	276	277	278	279	27A	27B
0		 2710	 2720	 2730	 2740	 2750	 2760	 2770	 2780	 2790	 27A0	 27B0
1	 2701	 2711	 2721	 2731	 2741	 2751	 2761	 2771	 2781	 2791	 27A1	 27B1
2	 2702	 2712	 2722	 2732	 2742	 2752	 2762	 2772	 2782	 2792	 27A2	 27B2
3	 2703	 2713	 2723	 2733	 2743	 2753	 2763	 2773	 2783	 2793	 27A3	 27B3
4	 2704	 2714	 2724	 2734	 2744	 2754	 2764	 2774	 2784	 2794	 27A4	 27B4
5	 2705	 2715	 2725	 2735	 2745	 2755	 2765	 2775	 2785	 2795	 27A5	 27B5
6	 2706	 2716	 2726	 2736	 2746	 2756	 2766	 2776	 2786	 2796	 27A6	 27B6
7	 2707	 2717	 2727	 2737	 2747	 2757	 2767	 2777	 2787	 2797	 27A7	 27B7
8	 2708	 2718	 2728	 2738	 2748	 2758	 2768	 2778	 2788	 2798	 27A8	 27B8
9	 2709	 2719	 2729	 2739	 2749	 2759	 2769	 2779	 2789	 2799	 27A9	 27B9
A	 270A	 271A	 272A	 273A	 274A	 275A	 276A	 277A	 278A	 279A	 27AA	 27BA
B	 270B	 271B	 272B	 273B	 274B	 275B	 276B	 277B	 278B	 279B	 27AB	 27BB
C	 270C	 271C	 272C	 273C	 274C	 275C	 276C	 277C	 278C	 279C	 27AC	 27BC
D	 270D	 271D	 272D	 273D	 274D	 275D	 276D	 277D	 278D	 279D	 27AD	 27BD
E	 270E	 271E	 272E	 273E	 274E	 275E	 276E	 277E	 278E	 279E	 27AE	 27BE
F	 270F	 271F	 272F	 273F	 274F	 275F	 276F	 277F	 278F	 279F	 27AF	 27BF

ITC Zapf dingbats series 100. Some of the ITC Zapf dingbats have been unified with geometric shape characters. Gaps in the chart have subsequently been filled with other dingbat-like symbols.

- 260E ☎ black telephone
- 261B ➡ black right pointing index
- 261E ⬜ white right pointing index
- 2605 ★ black star
- 25CF ● black circle
- 25A0 ■ black square
- 25B2 ▲ black up-pointing triangle
- 25BC ▼ black down-pointing triangle
- 25C6 ◆ black diamond
- 2192 → rightwards arrow
- 2194 ↔ left right arrow
- 2195 ↓ up down arrow

Miscellaneous

- 2701 ✂ UPPER BLADE SCISSORS
- 2702 ✂ BLACK SCISSORS
- 2703 ✂ LOWER BLADE SCISSORS
- 2704 ✂ WHITE SCISSORS
- 2705 ✓ WHITE HEAVY CHECK MARK
→ 2714 ✓ heavy check mark
- 2706 ☎ TELEPHONE LOCATION SIGN
→ 2121 ☎ telephone sign
→ 1F4DE ☎ telephone receiver
- 2707 📀 TAPE DRIVE
- 2708 ✈ AIRPLANE
- 2709 ✉ ENVELOPE
→ 1F4E8 ✉ incoming envelope
- 270A ✊ RAISED FIST
= rock in Rock, Paper, Scissors game
→ 1F44A ✊ fisted hand sign
- 270B ✋ RAISED HAND
= paper in Rock, Paper, Scissors game
→ 1F44B ✋ waving hand sign
- 270C ✌ VICTORY HAND
= scissors in Rock, Paper, Scissors game
- 270D ✍ WRITING HAND
- 270E ✎ LOWER RIGHT PENCIL
- 270F ✎ PENCIL
- 2710 ✎ UPPER RIGHT PENCIL
- 2711 ✎ WHITE NIB
- 2712 ✎ BLACK NIB
- 2713 ✓ CHECK MARK
→ 221A ✓ square root
- 2714 ✓ HEAVY CHECK MARK
- 2715 ✖ MULTIPLICATION X
→ 00D7 ✖ multiplication sign
→ 2573 ✖ box drawings light diagonal cross
- 2716 ✖ HEAVY MULTIPLICATION X
- 2717 ✖ BALLOT X
→ 2613 ✖ saltire
- 2718 ✖ HEAVY BALLOT X
- Crosses**
- 2719 ☩ OUTLINED GREEK CROSS
- 271A ☩ HEAVY GREEK CROSS
- 271B ☩ OPEN CENTRE CROSS
- 271C ☩ HEAVY OPEN CENTRE CROSS
- 271D ☩ LATIN CROSS
- 271E ☩ SHADOWED WHITE LATIN CROSS

- 271F ☩ OUTLINED LATIN CROSS
- 2720 ✖ MALTESE CROSS
• Historically, the Maltese cross took many forms; the shape shown in the Zapf Dingbats is similar to one known as the Cross Formée.

Stars, asterisks and snowflakes

- 2721 ☆ STAR OF DAVID
→ 1F52F ☆ six pointed star with middle dot
- 2722 ✦ FOUR TEARDROP-SPOKED ASTERISK
- 2723 ✨ FOUR BALLOON-SPOKED ASTERISK
- 2724 ❁ HEAVY FOUR BALLOON-SPOKED ASTERISK
- 2725 ❁ FOUR CLUB-SPOKED ASTERISK
- 2726 ◆ BLACK FOUR POINTED STAR
- 2727 ◇ WHITE FOUR POINTED STAR
- 2728 ✨ SPARKLES
- 2729 ☆ STRESS OUTLINED WHITE STAR
→ 2606 ☆ white star
- 272A ⬤ CIRCLED WHITE STAR
- 272B ☆ OPEN CENTRE BLACK STAR
- 272C ☆ BLACK CENTRE WHITE STAR
- 272D ☆ OUTLINED BLACK STAR
- 272E ☆ HEAVY OUTLINED BLACK STAR
- 272F ☆ PINWHEEL STAR
- 2730 ☆ SHADOWED WHITE STAR
- 2731 * HEAVY ASTERISK
→ 002A * asterisk
- 2732 ✨ OPEN CENTRE ASTERISK
- 2733 ✨ EIGHT SPOKED ASTERISK
- 2734 ✨ EIGHT POINTED BLACK STAR
- 2735 ✨ EIGHT POINTED PINWHEEL STAR
- 2736 ✨ SIX POINTED BLACK STAR
= sextile
- 2737 ✨ EIGHT POINTED RECTILINEAR BLACK STAR
- 2738 ✨ HEAVY EIGHT POINTED RECTILINEAR BLACK STAR
- 2739 ✨ TWELVE POINTED BLACK STAR
- 273A ✨ SIXTEEN POINTED ASTERISK
= starburst
- 273B ✨ TEARDROP-SPOKED ASTERISK
- 273C ✨ OPEN CENTRE TEARDROP-SPOKED ASTERISK
- 273D ✨ HEAVY TEARDROP-SPOKED ASTERISK
- 273E ✨ SIX PETALLED BLACK AND WHITE FLORETTE
- 273F ❁ BLACK FLORETTE
- 2740 ❁ WHITE FLORETTE
→ 1F4AE ❁ white flower
- 2741 ✨ EIGHT PETALLED OUTLINED BLACK FLORETTE
- 2742 ✨ CIRCLED OPEN CENTRE EIGHT POINTED STAR
- 2743 ✨ HEAVY TEARDROP-SPOKED PINWHEEL ASTERISK
- 2744 ❁ SNOWFLAKE
- 2745 ✨ TIGHT TRIFOLIATE SNOWFLAKE
- 2746 ✨ HEAVY CHEVRON SNOWFLAKE
- 2747 ✨ SPARKLE
- 2748 ✨ HEAVY SPARKLE
- 2749 ✨ BALLOON-SPOKED ASTERISK
= jack
- 274A ✨ EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
- 274B ✨ HEAVY EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
= turbofan

Miscellaneous

- 274C ✕ CROSS MARK
• forms a game tally pair with 2B55 ○
→ 00D7 ✕ multiplication sign
- 274D ○ SHADOWED WHITE CIRCLE
- 274E ☒ NEGATIVE SQUARED CROSS MARK
- 274F ◻ LOWER RIGHT DROP-SHADOWED WHITE SQUARE
- 2750 ◻ UPPER RIGHT DROP-SHADOWED WHITE SQUARE
- 2751 ◻ LOWER RIGHT SHADOWED WHITE SQUARE
- 2752 ◻ UPPER RIGHT SHADOWED WHITE SQUARE
- 2753 ? BLACK QUESTION MARK ORNAMENT
- 2754 ? WHITE QUESTION MARK ORNAMENT
- 2755 ! WHITE EXCLAMATION MARK ORNAMENT
- 2756 ❖ BLACK DIAMOND MINUS WHITE X
- 2757 ! HEAVY EXCLAMATION MARK SYMBOL
= obstacles on the road, ARIB STD B24
- 2758 | LIGHT VERTICAL BAR
→ 007C | vertical line
- 2759 | MEDIUM VERTICAL BAR
- 275A ■ HEAVY VERTICAL BAR
- Punctuation ornaments**
- 275B ‘ HEAVY SINGLE TURNED COMMA QUOTATION MARK ORNAMENT
→ 2018 ‘ left single quotation mark
- 275C ’ HEAVY SINGLE COMMA QUOTATION MARK ORNAMENT
→ 2019 ’ right single quotation mark
- 275D “ HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT
→ 201C “ left double quotation mark
- 275E ” HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT
→ 201D ” right double quotation mark
- 275F , HEAVY LOW SINGLE COMMA QUOTATION MARK ORNAMENT
→ 201A , single low-9 quotation mark
- 2760 „ HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT
→ 201E „ double low-9 quotation mark
- 2761 ¶ CURVED STEM PARAGRAPH SIGN ORNAMENT
→ 00B6 ¶ pilcrow sign
- 2762 ! HEAVY EXCLAMATION MARK ORNAMENT
→ 0021 ! exclamation mark
- 2763 ♥ HEAVY HEART EXCLAMATION MARK ORNAMENT
- 2764 ♥ HEAVY BLACK HEART
→ 2665 ♥ black heart suit
- 2765 ♠ ROTATED HEAVY BLACK HEART BULLET
- 2766 ♡ FLORAL HEART
= Aldus leaf
- 2767 🌿 ROTATED FLORAL HEART BULLET
= hederia, ivy leaf
→ 2619 🌿 reversed rotated floral heart bullet

Ornamental brackets

- 2768 (MEDIUM LEFT PARENTHESIS ORNAMENT
→ 0028 (left parenthesis
- 2769) MEDIUM RIGHT PARENTHESIS ORNAMENT
→ 0029) right parenthesis
- 276A (MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT

- 276B) MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT
- 276C (MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT
→ 2329 < left-pointing angle bracket
- 276D) MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT
→ 232A > right-pointing angle bracket
- 276E ‹ HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT
→ 2039 ‹ single left-pointing angle quotation mark
- 276F › HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT
→ 203A › single right-pointing angle quotation mark
- 2770 ⌈ HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT
- 2771 ⌋ HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT
- 2772 ⌚ LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT
→ 3014 ⌚ left tortoise shell bracket
- 2773 ⌛ LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT
→ 3015 ⌛ right tortoise shell bracket
- 2774 { MEDIUM LEFT CURLY BRACKET ORNAMENT
→ 007B { left curly bracket
- 2775 } MEDIUM RIGHT CURLY BRACKET ORNAMENT
→ 007D } right curly bracket

Dingbat circled digits

- 2776 ❶ DINGBAT NEGATIVE CIRCLED DIGIT ONE
- 2777 ❷ DINGBAT NEGATIVE CIRCLED DIGIT TWO
- 2778 ❸ DINGBAT NEGATIVE CIRCLED DIGIT THREE
- 2779 ❹ DINGBAT NEGATIVE CIRCLED DIGIT FOUR
- 277A ❺ DINGBAT NEGATIVE CIRCLED DIGIT FIVE
- 277B ❻ DINGBAT NEGATIVE CIRCLED DIGIT SIX
- 277C ❼ DINGBAT NEGATIVE CIRCLED DIGIT SEVEN
- 277D ❽ DINGBAT NEGATIVE CIRCLED DIGIT EIGHT
- 277E ❾ DINGBAT NEGATIVE CIRCLED DIGIT NINE
- 277F ❿ DINGBAT NEGATIVE CIRCLED NUMBER TEN
- 2780 ① DINGBAT CIRCLED SANS-SERIF DIGIT ONE
- 2781 ② DINGBAT CIRCLED SANS-SERIF DIGIT TWO
- 2782 ③ DINGBAT CIRCLED SANS-SERIF DIGIT THREE
- 2783 ④ DINGBAT CIRCLED SANS-SERIF DIGIT FOUR
- 2784 ⑤ DINGBAT CIRCLED SANS-SERIF DIGIT FIVE
- 2785 ⑥ DINGBAT CIRCLED SANS-SERIF DIGIT SIX
- 2786 ⑦ DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN
- 2787 ⑧ DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT
- 2788 ⑨ DINGBAT CIRCLED SANS-SERIF DIGIT NINE
- 2789 ⑩ DINGBAT CIRCLED SANS-SERIF NUMBER TEN
- 278A ❶ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE
- 278B ❷ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO
- 278C ❸ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE
- 278D ❹ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR
- 278E ❺ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE
- 278F ❻ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX

- 2790 ⑦ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN
 2791 ⑧ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT
 2792 ⑨ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE
 2793 ⑩ DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN

Dingbat arrow

- 2794 → HEAVY WIDE-HEADED RIGHTWARDS ARROW

Heavy variants of arithmetic symbols

- 2795 + HEAVY PLUS SIGN
 → 002B + plus sign
 2796 − HEAVY MINUS SIGN
 → 2212 − minus sign
 2797 ÷ HEAVY DIVISION SIGN
 → 00F7 ÷ division sign

Dingbat arrows

- 2798 ↘ HEAVY SOUTH EAST ARROW
 2799 → HEAVY RIGHTWARDS ARROW
 279A ↗ HEAVY NORTH EAST ARROW
 279B ➤ DRAFTING POINT RIGHTWARDS ARROW
 279C ➔ HEAVY ROUND-TIPPED RIGHTWARDS ARROW
 279D → TRIANGLE-HEADED RIGHTWARDS ARROW
 279E → HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW
 279F ⇨ DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
 27A0 ⇨ HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
 27A1 ➔ BLACK RIGHTWARDS ARROW
 • fonts may harmonize this glyph with the style for other black arrows
 → 2B05 ← leftwards black arrow
 27A2 ➤ THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD
 27A3 ➤ THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD
 27A4 ➤ BLACK RIGHTWARDS ARROWHEAD
 27A5 ↩ HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW
 27A6 ↩ HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW
 27A7 ⚡ SQUAT BLACK RIGHTWARDS ARROW
 27A8 ➤ HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW
 27A9 ⇨ RIGHT-SHADED WHITE RIGHTWARDS ARROW
 27AA ⇨ LEFT-SHADED WHITE RIGHTWARDS ARROW
 27AB ⇨ BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW
 27AC ⇨ FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW
 27AD ⇨ HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
 27AE ⇨ HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
 27AF ⇨ NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW

Miscellaneous

















































- 27B0 ㊦ CURLY LOOP
 = kururi

Dingbat arrows

- 27B1 ⇨ NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
 27B2 ⇨ CIRCLED HEAVY WHITE RIGHTWARDS ARROW
 27B3 ➤ WHITE-FEATHERED RIGHTWARDS ARROW
 27B4 ↘ BLACK-FEATHERED SOUTH EAST ARROW
 27B5 ➤ BLACK-FEATHERED RIGHTWARDS ARROW
 27B6 ↗ BLACK-FEATHERED NORTH EAST ARROW
 27B7 ↘ HEAVY BLACK-FEATHERED SOUTH EAST ARROW
 27B8 ➤ HEAVY BLACK-FEATHERED RIGHTWARDS ARROW
 27B9 ↗ HEAVY BLACK-FEATHERED NORTH EAST ARROW
 27BA → TEARDROP-BARBED RIGHTWARDS ARROW
 27BB ⇨ HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW
 27BC ➤ WEDGE-TAILED RIGHTWARDS ARROW
 27BD ➤ HEAVY WEDGE-TAILED RIGHTWARDS ARROW
 27BE ⇨ OPEN-OUTLINED RIGHTWARDS ARROW

Miscellaneous

- 27BF ㊦ DOUBLE CURLY LOOP

	27C	27D	27E
0	 27C0	 27D0	 27E0
1	 27C1	 27D1	 27E1
2	 27C2	 27D2	 27E2
3	 27C3	 27D3	 27E3
4	 27C4	 27D4	 27E4
5	 27C5	 27D5	 27E5
6	 27C6	 27D6	 27E6
7	 27C7	 27D7	 27E7
8	 27C8	 27D8	 27E8
9	 27C9	 27D9	 27E9
A	 27CA	 27DA	 27EA
B		 27DB	 27EB
C	 27CC	 27DC	 27EC
D		 27DD	 27ED
E	 27CE	 27DE	 27EE
F	 27CF	 27DF	 27EF

Miscellaneous symbols

- 27C0 \sphericalangle THREE DIMENSIONAL ANGLE
• used by Euclid
- 27C1 \triangle WHITE TRIANGLE CONTAINING SMALL WHITE TRIANGLE
• used by Euclid
- 27C2 \perp PERPENDICULAR
= orthogonal to
• relation, typeset with additional spacing
→ 22A5 \perp up tack
- 27C3 \Subset OPEN SUBSET
- 27C4 \Supset OPEN SUPERSET
- 27C5 \int LEFT S-SHAPED BAG DELIMITER
- 27C6 \int RIGHT S-SHAPED BAG DELIMITER
- 27C7 \vee OR WITH DOT INSIDE
- 27C8 \subsetneq REVERSE SOLIDUS PRECEDING SUBSET
- 27C9 \supsetneq SUPERSET PRECEDING SOLIDUS

Vertical line operator

- 27CA \dagger VERTICAL BAR WITH HORIZONTAL STROKE
→ 2AF2 $\#$ parallel with horizontal stroke
→ 2AF5 $\#\#$ triple vertical bar with horizontal stroke

Division operator

- 27CC $\overline{\div}$ LONG DIVISION
• graphically extends over the dividend
→ 00F7 \div division sign
→ 2215 $/$ division slash
→ 221A \surd square root

Operators

- 27CE \boxtimes SQUARED LOGICAL AND
= box min
• morphological min product operator
• morphological erosion operator
• additive minimum operator
- 27CF \boxplus SQUARED LOGICAL OR
= box max
• morphological max product operator
• morphological dilation operator
• additive maximum operator

Miscellaneous symbol

- 27D0 \diamond WHITE DIAMOND WITH CENTRED DOT
→ 1F4A0 \diamond diamond shape with a dot inside

Operators

- 27D1 \wedge AND WITH DOT
→ 2227 \wedge logical and
→ 2A40 \cap intersection with dot
- 27D2 ψ ELEMENT OF OPENING UPWARDS
→ 2AD9 \cap element of opening downwards
- 27D3 \lrcorner LOWER RIGHT CORNER WITH DOT
= pullback
→ 230B \lrcorner right floor
- 27D4 \ulcorner UPPER LEFT CORNER WITH DOT
= pushout
→ 2308 \ulcorner left ceiling

Database theory operators

- 27D5 \bowtie LEFT OUTER JOIN
- 27D6 \bowtie RIGHT OUTER JOIN
- 27D7 \bowtie FULL OUTER JOIN
→ 2A1D \bowtie join

Tacks and turnstiles

- 27D8 \Uparrow LARGE UP TACK
→ 22A5 \perp up tack
- 27D9 \Downarrow LARGE DOWN TACK
→ 22A4 \top down tack
- 27DA \Leftrightarrow LEFT AND RIGHT DOUBLE TURNSTILE
→ 22A8 \Leftrightarrow true
→ 2AE4 \Leftrightarrow vertical bar double left turnstile
- 27DB \Rrightarrow LEFT AND RIGHT TACK
→ 22A2 \lrcorner right tack
- 27DC \multimap LEFT MULTIMAP
→ 22B8 \multimap multimap
- 27DD \rightharpoonup LONG RIGHT TACK
→ 22A2 \lrcorner right tack
- 27DE \leftrightharpoonup LONG LEFT TACK
→ 22A3 \lrcorner left tack
- 27DF \upharpoonright UP TACK WITH CIRCLE ABOVE
= radial component
→ 2AF1 \downharpoonright down tack with circle below

















Modal logic operators

- 27E0 \diamond LOZENGE DIVIDED BY HORIZONTAL RULE
• used as form of possibility in modal logic
→ 25CA \diamond lozenge
- 27E1 \diamond WHITE CONCAVE-SIDED DIAMOND
= never (modal operator)
- 27E2 \diamond WHITE CONCAVE-SIDED DIAMOND WITH LEFTWARDS TICK
= was never (modal operator)
- 27E3 \diamond WHITE CONCAVE-SIDED DIAMOND WITH RIGHTWARDS TICK
= will never be (modal operator)
- 27E4 \square WHITE SQUARE WITH LEFTWARDS TICK
= was always (modal operator)
→ 25A1 \square white square
- 27E5 \square WHITE SQUARE WITH RIGHTWARDS TICK
= will always be (modal operator)














Mathematical brackets

- 27E6 \llbracket MATHEMATICAL LEFT WHITE SQUARE BRACKET
= z notation left bag bracket
→ 301A \llbracket left white square bracket
- 27E7 \rrbracket MATHEMATICAL RIGHT WHITE SQUARE BRACKET
= z notation right bag bracket
→ 301B \rrbracket right white square bracket
- 27E8 \langle MATHEMATICAL LEFT ANGLE BRACKET
= bra
= z notation left sequence bracket
→ 2329 \langle left-pointing angle bracket
→ 3008 \langle left angle bracket
- 27E9 \rangle MATHEMATICAL RIGHT ANGLE BRACKET
= ket
= z notation right sequence bracket
→ 232A \rangle right-pointing angle bracket
→ 3009 \rangle right angle bracket
- 27EA $\langle\langle$ MATHEMATICAL LEFT DOUBLE ANGLE BRACKET
= z notation left chevron bracket
→ 300A $\langle\langle$ left double angle bracket
- 27EB $\rangle\rangle$ MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET
= z notation right chevron bracket
→ 300B $\rangle\rangle$ right double angle bracket

- 27EC (MATHEMATICAL LEFT WHITE TORTOISE SHELL
BRACKET
→ 2997 (left black tortoise shell bracket
→ 3018 (left white tortoise shell bracket
- 27ED) MATHEMATICAL RIGHT WHITE TORTOISE
SHELL BRACKET
→ 2998) right black tortoise shell bracket
→ 3019) right white tortoise shell bracket
- 27EE (MATHEMATICAL LEFT FLATTENED
PARENTHESIS
= lgroup
- 27EF) MATHEMATICAL RIGHT FLATTENED
PARENTHESIS
= rgroup

	27F
0	 27F0
1	 27F1
2	 27F2
3	 27F3
4	 27F4
5	 27F5
6	 27F6
7	 27F7
8	 27F8
9	 27F9
A	 27FA
B	 27FB
C	 27FC
D	 27FD
E	 27FE
F	 27FF

Arrows

- 27F0  UPWARDS QUADRUPLE ARROW
→ 290A  upwards triple arrow
→ 2B45  leftwards quadruple arrow
- 27F1  DOWNWARDS QUADRUPLE ARROW
→ 290B  downwards triple arrow
- 27F2  ANTICLOCKWISE GAPPED CIRCLE ARROW
→ 21BA  anticlockwise open circle arrow
→ 2940  anticlockwise closed circle arrow
- 27F3  CLOCKWISE GAPPED CIRCLE ARROW
→ 21BB  clockwise open circle arrow
→ 2941  clockwise closed circle arrow
- 27F4  RIGHT ARROW WITH CIRCLED PLUS
→ 2B32  left arrow with circled plus

Long arrows























































































































The long arrows are used for mapping whereas the short forms would be used in limits. They are also needed for MathML to complete mapping to the AMSA sets.

- 27F5  LONG LEFTWARDS ARROW
→ 2190  leftwards arrow
- 27F6  LONG RIGHTWARDS ARROW
→ 2192  rightwards arrow
- 27F7  LONG LEFT RIGHT ARROW
→ 2194  left right arrow
- 27F8  LONG LEFTWARDS DOUBLE ARROW
→ 21D0  leftwards double arrow
- 27F9  LONG RIGHTWARDS DOUBLE ARROW
→ 21D2  rightwards double arrow
- 27FA  LONG LEFT RIGHT DOUBLE ARROW
→ 21D4  left right double arrow
- 27FB  LONG LEFTWARDS ARROW FROM BAR
= maps from
→ 21A4  leftwards arrow from bar
- 27FC  LONG RIGHTWARDS ARROW FROM BAR
= maps to
→ 21A6  rightwards arrow from bar
- 27FD  LONG LEFTWARDS DOUBLE ARROW FROM BAR
→ 2906  leftwards double arrow from bar
- 27FE  LONG RIGHTWARDS DOUBLE ARROW FROM BAR
→ 2907  rightwards double arrow from bar
- 27FF  LONG RIGHTWARDS SQUIGGLE ARROW
→ 21DD  rightwards squiggle arrow
→ 2B33  long leftwards squiggle arrow

	280	281	282	283	284	285	286	287	288	289	28A	28B	28C	28D	28E	28F
0	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	28A0	28B0	28C0	28D0	28E0	28F0
1	2801	2811	2821	2831	2841	2851	2861	2871	2881	2891	28A1	28B1	28C1	28D1	28E1	28F1
2	2802	2812	2822	2832	2842	2852	2862	2872	2882	2892	28A2	28B2	28C2	28D2	28E2	28F2
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A	280A	281A	282A	283A	284A	285A	286A	287A	288A	289A	28AA	28BA	28CA	28DA	28EA	28FA
B	280B	281B	282B	283B	284B	285B	286B	287B	288B	289B	28AB	28BB	28CB	28DB	28EB	28FB
C	280C	281C	282C	283C	284C	285C	286C	287C	288C	289C	28AC	28BC	28CC	28DC	28EC	28FC
D	280D	281D	282D	283D	284D	285D	286D	287D	288D	289D	28AD	28BD	28CD	28DD	28ED	28FD
E	280E	281E	282E	283E	284E	285E	286E	287E	288E	289E	28AE	28BE	28CE	28DE	28EE	28FE
F	280F	281F	282F	283F	284F	285F	286F	287F	288F	289F	28AF	28BF	28CF	28DF	28EF	28FF

































































































































When braille patterns are punched, the filled circles shown here correspond to punch impression.

Braille patterns

2800		BRaille PATTERN BLANK	2838		BRaille PATTERN DOTS-456
		• while this character is imaged as a fixed-width blank in many fonts, it does not act as a space	2839		BRaille PATTERN DOTS-1456
2801		BRaille PATTERN DOTS-1	283A		BRaille PATTERN DOTS-2456
2802		BRaille PATTERN DOTS-2	283B		BRaille PATTERN DOTS-12456
2803		BRaille PATTERN DOTS-12	283C		BRaille PATTERN DOTS-3456
2804		BRaille PATTERN DOTS-3	283D		BRaille PATTERN DOTS-13456
2805		BRaille PATTERN DOTS-13	283E		BRaille PATTERN DOTS-23456
2806		BRaille PATTERN DOTS-23	283F		BRaille PATTERN DOTS-123456
2807		BRaille PATTERN DOTS-123	2840		BRaille PATTERN DOTS-7
2808		BRaille PATTERN DOTS-4	2841		BRaille PATTERN DOTS-17
2809		BRaille PATTERN DOTS-14	2842		BRaille PATTERN DOTS-27
280A		BRaille PATTERN DOTS-24	2843		BRaille PATTERN DOTS-127
280B		BRaille PATTERN DOTS-124	2844		BRaille PATTERN DOTS-37
280C		BRaille PATTERN DOTS-34	2845		BRaille PATTERN DOTS-137
280D		BRaille PATTERN DOTS-134	2846		BRaille PATTERN DOTS-237
280E		BRaille PATTERN DOTS-234	2847		BRaille PATTERN DOTS-1237
280F		BRaille PATTERN DOTS-1234	2848		BRaille PATTERN DOTS-47
2810		BRaille PATTERN DOTS-5	2849		BRaille PATTERN DOTS-147
2811		BRaille PATTERN DOTS-15	284A		BRaille PATTERN DOTS-247
2812		BRaille PATTERN DOTS-25	284B		BRaille PATTERN DOTS-1247
2813		BRaille PATTERN DOTS-125	284C		BRaille PATTERN DOTS-347
2814		BRaille PATTERN DOTS-35	284D		BRaille PATTERN DOTS-1347
2815		BRaille PATTERN DOTS-135	284E		BRaille PATTERN DOTS-2347
2816		BRaille PATTERN DOTS-235	284F		BRaille PATTERN DOTS-12347
2817		BRaille PATTERN DOTS-1235	2850		BRaille PATTERN DOTS-57
2818		BRaille PATTERN DOTS-45	2851		BRaille PATTERN DOTS-157
2819		BRaille PATTERN DOTS-145	2852		BRaille PATTERN DOTS-257
281A		BRaille PATTERN DOTS-245	2853		BRaille PATTERN DOTS-1257
281B		BRaille PATTERN DOTS-1245	2854		BRaille PATTERN DOTS-357
281C		BRaille PATTERN DOTS-345	2855		BRaille PATTERN DOTS-1357
281D		BRaille PATTERN DOTS-1345	2856		BRaille PATTERN DOTS-2357
281E		BRaille PATTERN DOTS-2345	2857		BRaille PATTERN DOTS-12357
281F		BRaille PATTERN DOTS-12345	2858		BRaille PATTERN DOTS-457
2820		BRaille PATTERN DOTS-6	2859		BRaille PATTERN DOTS-1457
2821		BRaille PATTERN DOTS-16	285A		BRaille PATTERN DOTS-2457
2822		BRaille PATTERN DOTS-26	285B		BRaille PATTERN DOTS-12457
2823		BRaille PATTERN DOTS-126	285C		BRaille PATTERN DOTS-3457
2824		BRaille PATTERN DOTS-36	285D		BRaille PATTERN DOTS-13457
2825		BRaille PATTERN DOTS-136	285E		BRaille PATTERN DOTS-23457
2826		BRaille PATTERN DOTS-236	285F		BRaille PATTERN DOTS-123457
2827		BRaille PATTERN DOTS-1236	2860		BRaille PATTERN DOTS-67
2828		BRaille PATTERN DOTS-46	2861		BRaille PATTERN DOTS-167
2829		BRaille PATTERN DOTS-146	2862		BRaille PATTERN DOTS-267
282A		BRaille PATTERN DOTS-246	2863		BRaille PATTERN DOTS-1267
282B		BRaille PATTERN DOTS-1246	2864		BRaille PATTERN DOTS-367
282C		BRaille PATTERN DOTS-346	2865		BRaille PATTERN DOTS-1367
282D		BRaille PATTERN DOTS-1346	2866		BRaille PATTERN DOTS-2367
282E		BRaille PATTERN DOTS-2346	2867		BRaille PATTERN DOTS-12367
282F		BRaille PATTERN DOTS-12346	2868		BRaille PATTERN DOTS-467
2830		BRaille PATTERN DOTS-56	2869		BRaille PATTERN DOTS-1467
2831		BRaille PATTERN DOTS-156	286A		BRaille PATTERN DOTS-2467
2832		BRaille PATTERN DOTS-456	286B		BRaille PATTERN DOTS-12467
2833		BRaille PATTERN DOTS-1456	286C		BRaille PATTERN DOTS-3467
2834		BRaille PATTERN DOTS-2456	286D		BRaille PATTERN DOTS-13467
2835		BRaille PATTERN DOTS-12456	286E		BRaille PATTERN DOTS-23467
2836		BRaille PATTERN DOTS-3456	286F		BRaille PATTERN DOTS-123467
2837		BRaille PATTERN DOTS-12356	2870		BRaille PATTERN DOTS-567
			2871		BRaille PATTERN DOTS-1567
			2872		BRaille PATTERN DOTS-2567
			2873		BRaille PATTERN DOTS-12567
			2874		BRaille PATTERN DOTS-3567
			2875		BRaille PATTERN DOTS-13567

2876	⠠	BRaille PATTERN DOTS-23567	28B4	⠠	BRaille PATTERN DOTS-3568
2877	⠠	BRaille PATTERN DOTS-123567	28B5	⠠	BRaille PATTERN DOTS-13568
2878	⠠	BRaille PATTERN DOTS-4567	28B6	⠠	BRaille PATTERN DOTS-23568
2879	⠠	BRaille PATTERN DOTS-14567	28B7	⠠	BRaille PATTERN DOTS-123568
287A	⠠	BRaille PATTERN DOTS-24567	28B8	⠠	BRaille PATTERN DOTS-4568
287B	⠠	BRaille PATTERN DOTS-124567	28B9	⠠	BRaille PATTERN DOTS-14568
287C	⠠	BRaille PATTERN DOTS-34567	28BA	⠠	BRaille PATTERN DOTS-24568
287D	⠠	BRaille PATTERN DOTS-134567	28BB	⠠	BRaille PATTERN DOTS-124568
287E	⠠	BRaille PATTERN DOTS-234567	28BC	⠠	BRaille PATTERN DOTS-34568
287F	⠠	BRaille PATTERN DOTS-1234567	28BD	⠠	BRaille PATTERN DOTS-134568
2880	⠠	BRaille PATTERN DOTS-8	28BE	⠠	BRaille PATTERN DOTS-234568
2881	⠠	BRaille PATTERN DOTS-18	28BF	⠠	BRaille PATTERN DOTS-1234568
2882	⠠	BRaille PATTERN DOTS-28	28C0	⠠	BRaille PATTERN DOTS-78
2883	⠠	BRaille PATTERN DOTS-128	28C1	⠠	BRaille PATTERN DOTS-178
2884	⠠	BRaille PATTERN DOTS-38	28C2	⠠	BRaille PATTERN DOTS-278
2885	⠠	BRaille PATTERN DOTS-138	28C3	⠠	BRaille PATTERN DOTS-1278
2886	⠠	BRaille PATTERN DOTS-238	28C4	⠠	BRaille PATTERN DOTS-378
2887	⠠	BRaille PATTERN DOTS-1238	28C5	⠠	BRaille PATTERN DOTS-1378
2888	⠠	BRaille PATTERN DOTS-48	28C6	⠠	BRaille PATTERN DOTS-2378
2889	⠠	BRaille PATTERN DOTS-148	28C7	⠠	BRaille PATTERN DOTS-12378
288A	⠠	BRaille PATTERN DOTS-248	28C8	⠠	BRaille PATTERN DOTS-478
288B	⠠	BRaille PATTERN DOTS-1248	28C9	⠠	BRaille PATTERN DOTS-1478
288C	⠠	BRaille PATTERN DOTS-348	28CA	⠠	BRaille PATTERN DOTS-2478
288D	⠠	BRaille PATTERN DOTS-1348	28CB	⠠	BRaille PATTERN DOTS-12478
288E	⠠	BRaille PATTERN DOTS-2348	28CC	⠠	BRaille PATTERN DOTS-3478
288F	⠠	BRaille PATTERN DOTS-12348	28CD	⠠	BRaille PATTERN DOTS-13478
2890	⠠	BRaille PATTERN DOTS-58	28CE	⠠	BRaille PATTERN DOTS-23478
2891	⠠	BRaille PATTERN DOTS-158	28CF	⠠	BRaille PATTERN DOTS-123478
2892	⠠	BRaille PATTERN DOTS-258	28D0	⠠	BRaille PATTERN DOTS-578
2893	⠠	BRaille PATTERN DOTS-1258	28D1	⠠	BRaille PATTERN DOTS-1578
2894	⠠	BRaille PATTERN DOTS-358	28D2	⠠	BRaille PATTERN DOTS-2578
2895	⠠	BRaille PATTERN DOTS-1358	28D3	⠠	BRaille PATTERN DOTS-12578
2896	⠠	BRaille PATTERN DOTS-2358	28D4	⠠	BRaille PATTERN DOTS-3578
2897	⠠	BRaille PATTERN DOTS-12358	28D5	⠠	BRaille PATTERN DOTS-13578
2898	⠠	BRaille PATTERN DOTS-458	28D6	⠠	BRaille PATTERN DOTS-23578
2899	⠠	BRaille PATTERN DOTS-1458	28D7	⠠	BRaille PATTERN DOTS-123578
289A	⠠	BRaille PATTERN DOTS-2458	28D8	⠠	BRaille PATTERN DOTS-4578
289B	⠠	BRaille PATTERN DOTS-12458	28D9	⠠	BRaille PATTERN DOTS-14578
289C	⠠	BRaille PATTERN DOTS-3458	28DA	⠠	BRaille PATTERN DOTS-24578
289D	⠠	BRaille PATTERN DOTS-13458	28DB	⠠	BRaille PATTERN DOTS-124578
289E	⠠	BRaille PATTERN DOTS-23458	28DC	⠠	BRaille PATTERN DOTS-34578
289F	⠠	BRaille PATTERN DOTS-123458	28DD	⠠	BRaille PATTERN DOTS-134578
28A0	⠠	BRaille PATTERN DOTS-68	28DE	⠠	BRaille PATTERN DOTS-234578
28A1	⠠	BRaille PATTERN DOTS-168	28DF	⠠	BRaille PATTERN DOTS-1234578
28A2	⠠	BRaille PATTERN DOTS-268	28E0	⠠	BRaille PATTERN DOTS-678
28A3	⠠	BRaille PATTERN DOTS-1268	28E1	⠠	BRaille PATTERN DOTS-1678
28A4	⠠	BRaille PATTERN DOTS-368	28E2	⠠	BRaille PATTERN DOTS-2678
28A5	⠠	BRaille PATTERN DOTS-1368	28E3	⠠	BRaille PATTERN DOTS-12678
28A6	⠠	BRaille PATTERN DOTS-2368	28E4	⠠	BRaille PATTERN DOTS-3678
28A7	⠠	BRaille PATTERN DOTS-12368	28E5	⠠	BRaille PATTERN DOTS-13678
28A8	⠠	BRaille PATTERN DOTS-468	28E6	⠠	BRaille PATTERN DOTS-23678
28A9	⠠	BRaille PATTERN DOTS-1468	28E7	⠠	BRaille PATTERN DOTS-123678
28AA	⠠	BRaille PATTERN DOTS-2468	28E8	⠠	BRaille PATTERN DOTS-4678
28AB	⠠	BRaille PATTERN DOTS-12468	28E9	⠠	BRaille PATTERN DOTS-14678
28AC	⠠	BRaille PATTERN DOTS-3468	28EA	⠠	BRaille PATTERN DOTS-24678
28AD	⠠	BRaille PATTERN DOTS-13468	28EB	⠠	BRaille PATTERN DOTS-124678
28AE	⠠	BRaille PATTERN DOTS-23468	28EC	⠠	BRaille PATTERN DOTS-34678
28AF	⠠	BRaille PATTERN DOTS-123468	28ED	⠠	BRaille PATTERN DOTS-134678
28B0	⠠	BRaille PATTERN DOTS-568	28EE	⠠	BRaille PATTERN DOTS-234678
28B1	⠠	BRaille PATTERN DOTS-1568	28EF	⠠	BRaille PATTERN DOTS-1234678
28B2	⠠	BRaille PATTERN DOTS-2568	28F0	⠠	BRaille PATTERN DOTS-5678
28B3	⠠	BRaille PATTERN DOTS-12568	28F1	⠠	BRaille PATTERN DOTS-15678

28F2	⠠	BRAILLE PATTERN DOTS-25678
28F3	⠠	BRAILLE PATTERN DOTS-125678
28F4	⠠	BRAILLE PATTERN DOTS-35678
28F5	⠠	BRAILLE PATTERN DOTS-135678
28F6	⠠	BRAILLE PATTERN DOTS-235678
28F7	⠠	BRAILLE PATTERN DOTS-1235678
28F8	⠠	BRAILLE PATTERN DOTS-45678
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28FA	⠠	BRAILLE PATTERN DOTS-245678
28FB	⠠	BRAILLE PATTERN DOTS-1245678
28FC	⠠	BRAILLE PATTERN DOTS-345678
28FD	⠠	BRAILLE PATTERN DOTS-1345678
28FE	⠠	BRAILLE PATTERN DOTS-2345678
28FF	⠠	BRAILLE PATTERN DOTS-12345678

	290	291	292	293	294	295	296	297
0	 2900	 2910	 2920	 2930	 2940	 2950	 2960	 2970
1	 2901	 2911	 2921	 2931	 2941	 2951	 2961	 2971
2	 2902	 2912	 2922	 2932	 2942	 2952	 2962	 2972
3	 2903	 2913	 2923	 2933	 2943	 2953	 2963	 2973
4	 2904	 2914	 2924	 2934	 2944	 2954	 2964	 2974
5	 2905	 2915	 2925	 2935	 2945	 2955	 2965	 2975
6	 2906	 2916	 2926	 2936	 2946	 2956	 2966	 2976
7	 2907	 2917	 2927	 2937	 2947	 2957	 2967	 2977
8	 2908	 2918	 2928	 2938	 2948	 2958	 2968	 2978
9	 2909	 2919	 2929	 2939	 2949	 2959	 2969	 2979
A	 290A	 291A	 292A	 293A	 294A	 295A	 296A	 297A
B	 290B	 291B	 292B	 293B	 294B	 295B	 296B	 297B
C	 290C	 291C	 292C	 293C	 294C	 295C	 296C	 297C
D	 290D	 291D	 292D	 293D	 294D	 295D	 296D	 297D
E	 290E	 291E	 292E	 293E	 294E	 295E	 296E	 297E
F	 290F	 291F	 292F	 293F	 294F	 295F	 296F	 297F

Miscellaneous arrows

- 2900 ⇔ RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE
= z notation partial surjection
→ 2B34 ⇐ leftwards two-headed arrow with vertical stroke
- 2901 ⇔ RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE
= z notation finite surjection
→ 2B35 ⇐ leftwards two-headed arrow with double vertical stroke
- 2902 ⇐ LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE
- 2903 ⇒ RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE
- 2904 ⇐ LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE
- 2905 ↦ RIGHTWARDS TWO-HEADED ARROW FROM BAR
= maps to
→ 2B36 ⇐ leftwards two-headed arrow from bar
- 2906 ⇐ LEFTWARDS DOUBLE ARROW FROM BAR
= maps from
→ 27FB ← long leftwards arrow from bar
- 2907 ⇒ RIGHTWARDS DOUBLE ARROW FROM BAR
= maps to
→ 27FC → long rightwards arrow from bar
- 2908 † DOWNWARDS ARROW WITH HORIZONTAL STROKE
- 2909 ‡ UPWARDS ARROW WITH HORIZONTAL STROKE
- 290A †† UPWARDS TRIPLE ARROW
→ 21D1 †† upwards double arrow
→ 27F0 ††† upwards quadruple arrow
- 290B ‡‡ DOWNWARDS TRIPLE ARROW
→ 21D3 ‡‡ downwards double arrow
→ 27F1 ‡‡‡ downwards quadruple arrow
- 290C ←← LEFTWARDS DOUBLE DASH ARROW
- 290D →→ RIGHTWARDS DOUBLE DASH ARROW
- 290E ←←← LEFTWARDS TRIPLE DASH ARROW
- 290F →→→ RIGHTWARDS TRIPLE DASH ARROW
- 2910 ⇔⇔⇔ RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW
→ 2B37 ⇔⇔⇔ leftwards two-headed triple dash arrow
- 2911 →→→ RIGHTWARDS ARROW WITH DOTTED STEM
→ 2B38 ←←← leftwards arrow with dotted stem
- 2912 † UPWARDS ARROW TO BAR
- 2913 ‡ DOWNWARDS ARROW TO BAR
- 2914 ⇔⇔ RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE
= z notation partial injection
→ 2B39 ⇐ leftwards arrow with tail with vertical stroke
- 2915 ⇔⇔⇔ RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
= z notation finite injection
→ 2B3A ⇐ leftwards arrow with tail with double vertical stroke
- 2916 ⇔⇔ RIGHTWARDS TWO-HEADED ARROW WITH TAIL
= bijective mapping
= z notation bijection
→ 2B3B ⇐ leftwards two-headed arrow with tail

- 2917 ⇔⇔ RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE
= z notation surjective injection
→ 2B3C ⇐ leftwards two-headed arrow with tail with vertical stroke
- 2918 ⇔⇔⇔ RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
= z notation finite surjective injection
→ 2B3D ⇐ leftwards two-headed arrow with tail with double vertical stroke

Arrow tails

- 2919 ↖ LEFTWARDS ARROW-TAIL
- 291A ↗ RIGHTWARDS ARROW-TAIL
- 291B ↙ LEFTWARDS DOUBLE ARROW-TAIL
- 291C ↘ RIGHTWARDS DOUBLE ARROW-TAIL

Miscellaneous arrows

- 291D ⇐ LEFTWARDS ARROW TO BLACK DIAMOND
- 291E → RIGHTWARDS ARROW TO BLACK DIAMOND
- 291F ⇐⇐ LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND
- 2920 ⇔⇔ RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND
- 2921 ↖ NORTH WEST AND SOUTH EAST ARROW
- 2922 ↗ NORTH EAST AND SOUTH WEST ARROW
- 2923 ↖ NORTH WEST ARROW WITH HOOK
- 2924 ↗ NORTH EAST ARROW WITH HOOK
- 2925 ↘ SOUTH EAST ARROW WITH HOOK
- 2926 ↙ SOUTH WEST ARROW WITH HOOK

Crossing arrows for knot theory

- 2927 ✕ NORTH WEST ARROW AND NORTH EAST ARROW
- 2928 ✕ NORTH EAST ARROW AND SOUTH EAST ARROW
- 2929 ✕ SOUTH EAST ARROW AND SOUTH WEST ARROW
- 292A ✕ SOUTH WEST ARROW AND NORTH WEST ARROW
- 292B ✕ RISING DIAGONAL CROSSING FALLING DIAGONAL
- 292C ✕ FALLING DIAGONAL CROSSING RISING DIAGONAL
→ 26CC ✕ crossing lanes
- 292D ✕ SOUTH EAST ARROW CROSSING NORTH EAST ARROW
- 292E ✕ NORTH EAST ARROW CROSSING SOUTH EAST ARROW
- 292F ✕ FALLING DIAGONAL CROSSING NORTH EAST ARROW
- 2930 ✕ RISING DIAGONAL CROSSING SOUTH EAST ARROW
- 2931 ✕ NORTH EAST ARROW CROSSING NORTH WEST ARROW
- 2932 ✕ NORTH WEST ARROW CROSSING NORTH EAST ARROW

Miscellaneous curved arrows

- 2933 ~ WAVE ARROW POINTING DIRECTLY RIGHT
→ 219D ~ rightwards wave arrow
→ 2B3F ~ wave arrow pointing directly left
- 2934 ↷ ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS
- 2935 ↶ ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS

2936	↵	ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS
2937	↶	ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS
2938	↷	RIGHT-SIDE ARC CLOCKWISE ARROW
2939	↶	LEFT-SIDE ARC ANTICLOCKWISE ARROW
293A	↶	TOP ARC ANTICLOCKWISE ARROW
293B	↶	BOTTOM ARC ANTICLOCKWISE ARROW
293C	↷	TOP ARC CLOCKWISE ARROW WITH MINUS
293D	↷	TOP ARC ANTICLOCKWISE ARROW WITH PLUS
293E	↷	LOWER RIGHT SEMICIRCULAR CLOCKWISE ARROW
293F	↶	LOWER LEFT SEMICIRCULAR ANTICLOCKWISE ARROW
2940	⦿	ANTICLOCKWISE CLOSED CIRCLE ARROW → 20DA ☉ combining anticlockwise ring overlay
2941	⦿	CLOCKWISE CLOSED CIRCLE ARROW → 20D9 ☉ combining clockwise ring overlay

Arrows combined with operators

2942	↗	RIGHTWARDS ARROW ABOVE SHORT LEFTWARDS ARROW
2943	↖	LEFTWARDS ARROW ABOVE SHORT RIGHTWARDS ARROW
2944	↗	SHORT RIGHTWARDS ARROW ABOVE LEFTWARDS ARROW
2945	↗	RIGHTWARDS ARROW WITH PLUS BELOW
2946	↖	LEFTWARDS ARROW WITH PLUS BELOW
2947	↗	RIGHTWARDS ARROW THROUGH X → 2B3E ⇄ leftwards arrow through x
2948	↗	LEFT RIGHT ARROW THROUGH SMALL CIRCLE
2949	↗	UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE

Double-barbed harpoons

294A	↖	LEFT BARB UP RIGHT BARB DOWN HARPOON
294B	↗	LEFT BARB DOWN RIGHT BARB UP HARPOON
294C	↕	UP BARB RIGHT DOWN BARB LEFT HARPOON
294D	↔	UP BARB LEFT DOWN BARB RIGHT HARPOON
294E	↖	LEFT BARB UP RIGHT BARB UP HARPOON
294F	↗	UP BARB RIGHT DOWN BARB RIGHT HARPOON
2950	↖	LEFT BARB DOWN RIGHT BARB DOWN HARPOON
2951	↔	UP BARB LEFT DOWN BARB LEFT HARPOON

Modified harpoons

2952	↖	LEFTWARDS HARPOON WITH BARB UP TO BAR
2953	↗	RIGHTWARDS HARPOON WITH BARB UP TO BAR
2954	↖	UPWARDS HARPOON WITH BARB RIGHT TO BAR
2955	↗	DOWNWARDS HARPOON WITH BARB RIGHT TO BAR
2956	↖	LEFTWARDS HARPOON WITH BARB DOWN TO BAR
2957	↗	RIGHTWARDS HARPOON WITH BARB DOWN TO BAR
2958	↖	UPWARDS HARPOON WITH BARB LEFT TO BAR
2959	↗	DOWNWARDS HARPOON WITH BARB LEFT TO BAR
295A	↖	LEFTWARDS HARPOON WITH BARB UP FROM BAR
295B	↗	RIGHTWARDS HARPOON WITH BARB UP FROM BAR
295C	↖	UPWARDS HARPOON WITH BARB RIGHT FROM BAR

295D	↖	DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR
295E	↖	LEFTWARDS HARPOON WITH BARB DOWN FROM BAR
295F	↗	RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR
2960	↖	UPWARDS HARPOON WITH BARB LEFT FROM BAR
2961	↖	DOWNWARDS HARPOON WITH BARB LEFT FROM BAR

Paired harpoons

2962	↖	LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN
2963	↖	UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT
2964	↗	RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
2965	↖	DOWNWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT
2966	↖	LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP
2967	↗	LEFTWARDS HARPOON WITH BARB DOWN ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
2968	↗	RIGHTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB UP
2969	↖	RIGHTWARDS HARPOON WITH BARB DOWN ABOVE LEFTWARDS HARPOON WITH BARB DOWN
296A	↖	LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
296B	↖	LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH
296C	↗	RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
296D	↗	RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH
296E	↖	UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT
296F	↖	DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT

Miscellaneous arrow

2970	⇒	RIGHT DOUBLE ARROW WITH ROUNDED HEAD → 2283 ⇨ superset of
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






























































































































Arrows combined with relations

2971	⇒	EQUALS SIGN ABOVE RIGHTWARDS ARROW → 2B40 ⇄ equals sign above leftwards arrow
2972	⇒	TILDE OPERATOR ABOVE RIGHTWARDS ARROW → 2B41 ⇄ reverse tilde operator above leftwards arrow
2973	⇄	LEFTWARDS ARROW ABOVE TILDE OPERATOR → 2B4C ⇄ rightwards arrow above reverse tilde operator
2974	⇒	RIGHTWARDS ARROW ABOVE TILDE OPERATOR → 2B4B ⇄ leftwards arrow above reverse tilde operator
2975	⇒	RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO → 2B42 ⇄ leftwards arrow above reverse almost equal to

2976	⩍	LESS-THAN ABOVE LEFTWARDS ARROW
2977	⩍	LEFTWARDS ARROW THROUGH LESS-THAN → 2B43 ⩍ rightwards arrow through greater-than
2978	⩎	GREATER-THAN ABOVE RIGHTWARDS ARROW
2979	⩏	SUBSET ABOVE RIGHTWARDS ARROW
297A	⩐	LEFTWARDS ARROW THROUGH SUBSET → 2B44 ⩐ rightwards arrow through superset
297B	⩑	SUPERSET ABOVE LEFTWARDS ARROW

Fish tails

297C	↵	LEFT FISH TAIL
297D	↶	RIGHT FISH TAIL
297E	↷	UP FISH TAIL
297F	↸	DOWN FISH TAIL

	298	299	29A	29B	29C	29D	29E	29F
0	 2980	 2990	 29A0	 29B0	 29C0	 29D0	 29E0	 29F0
1	 2981	 2991	 29A1	 29B1	 29C1	 29D1	 29E1	 29F1
2	 2982	 2992	 29A2	 29B2	 29C2	 29D2	 29E2	 29F2
3	 2983	 2993	 29A3	 29B3	 29C3	 29D3	 29E3	 29F3
4	 2984	 2994	 29A4	 29B4	 29C4	 29D4	 29E4	 29F4
5	 2985	 2995	 29A5	 29B5	 29C5	 29D5	 29E5	 29F5
6	 2986	 2996	 29A6	 29B6	 29C6	 29D6	 29E6	 29F6
7	 2987	 2997	 29A7	 29B7	 29C7	 29D7	 29E7	 29F7
8	 2988	 2998	 29A8	 29B8	 29C8	 29D8	 29E8	 29F8
9	 2989	 2999	 29A9	 29B9	 29C9	 29D9	 29E9	 29F9
A	 298A	 299A	 29AA	 29BA	 29CA	 29DA	 29EA	 29FA
B	 298B	 299B	 29AB	 29BB	 29CB	 29DB	 29EB	 29FB
C	 298C	 299C	 29AC	 29BC	 29CC	 29DC	 29EC	 29FC
D	 298D	 299D	 29AD	 29BD	 29CD	 29DD	 29ED	 29FD
E	 298E	 299E	 29AE	 29BE	 29CE	 29DE	 29EE	 29FE
F	 298F	 299F	 29AF	 29BF	 29CF	 29DF	 29EF	 29FF

Miscellaneous mathematical symbols

- 2980 \equiv TRIPLE VERTICAL BAR DELIMITER
 → 2AF4 \equiv triple vertical bar binary relation
 → 2AFC \equiv large triple vertical bar operator
- 2981 \bullet Z NOTATION SPOT
 • medium-small-sized black circle
 → 2219 \bullet bullet operator
 → 25CF \bullet black circle
- 2982 $\textcircled{:}$ Z NOTATION TYPE COLON
 → 0F7F $\textcircled{:}$ tibetan sign rnam bca'd

Brackets

- 2983 $\{$ LEFT WHITE CURLY BRACKET
- 2984 $\}$ RIGHT WHITE CURLY BRACKET
- 2985 $($ LEFT WHITE PARENTHESIS
 → 2E28 $($ left double parenthesis
 → FF5F $($ fullwidth left white parenthesis
- 2986 $)$ RIGHT WHITE PARENTHESIS
 • used for Bourbakist intervals
 → 2E29 $)$ right double parenthesis
 → FF60 $)$ fullwidth right white parenthesis
- 2987 \langle Z NOTATION LEFT IMAGE BRACKET
- 2988 \rangle Z NOTATION RIGHT IMAGE BRACKET
- 2989 \langle Z NOTATION LEFT BINDING BRACKET
- 298A \rangle Z NOTATION RIGHT BINDING BRACKET
- 298B $[$ LEFT SQUARE BRACKET WITH UNDERBAR
- 298C $]$ RIGHT SQUARE BRACKET WITH UNDERBAR
- 298D $[$ LEFT SQUARE BRACKET WITH TICK IN TOP CORNER
- 298E $]$ RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER
- 298F $[$ LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER
- 2990 $]$ RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER
- 2991 \langle LEFT ANGLE BRACKET WITH DOT
- 2992 \rangle RIGHT ANGLE BRACKET WITH DOT
- 2993 \lessgtr LEFT ARC LESS-THAN BRACKET
- 2994 \gtrless RIGHT ARC GREATER-THAN BRACKET
- 2995 \lessgtr DOUBLE LEFT ARC GREATER-THAN BRACKET
- 2996 \gtrless DOUBLE RIGHT ARC LESS-THAN BRACKET
- 2997 \frown LEFT BLACK TORTOISE SHELL BRACKET
 → 27EC \frown mathematical left white tortoise shell bracket
 → 3014 \frown left tortoise shell bracket
 → 3018 \frown left white tortoise shell bracket
- 2998 \smile RIGHT BLACK TORTOISE SHELL BRACKET

Fences

- 2999 \vdots DOTTED FENCE
 • four close dots vertical
- 299A zigzag VERTICAL ZIGZAG LINE
 → 2307 zigzag wavy line

Angles

- 299B \sphericalangle MEASURED ANGLE OPENING LEFT
 → 2221 \sphericalangle measured angle
- 299C L RIGHT ANGLE VARIANT WITH SQUARE
 → 221F L right angle
- 299D L MEASURED RIGHT ANGLE WITH DOT
- 299E \sphericalangle ANGLE WITH S INSIDE
- 299F \sphericalangle ACUTE ANGLE
- 29A0 \sphericalangle SPHERICAL ANGLE OPENING LEFT
 → 2222 \sphericalangle spherical angle

- 29A1 \sphericalangle SPHERICAL ANGLE OPENING UP
- 29A2 \sphericalangle TURNED ANGLE
 → 2220 \sphericalangle angle
- 29A3 \sphericalangle REVERSED ANGLE
- 29A4 \sphericalangle ANGLE WITH UNDERBAR
- 29A5 \sphericalangle REVERSED ANGLE WITH UNDERBAR
- 29A6 \sphericalangle OBLIQUE ANGLE OPENING UP
- 29A7 \sphericalangle OBLIQUE ANGLE OPENING DOWN
- 29A8 \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND RIGHT
- 29A9 \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT
- 29AA \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT
- 29AB \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT
- 29AC \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP
- 29AD \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP
- 29AE \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN
- 29AF \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN

Empty sets

- 29B0 \emptyset REVERSED EMPTY SET
 → 2205 \emptyset empty set
 → 2349 \emptyset apl functional symbol circle backslash
- 29B1 $\overline{\emptyset}$ EMPTY SET WITH OVERBAR
- 29B2 $\overset{\circ}{\emptyset}$ EMPTY SET WITH SMALL CIRCLE ABOVE
- 29B3 $\overset{\rightarrow}{\emptyset}$ EMPTY SET WITH RIGHT ARROW ABOVE
- 29B4 $\overset{\leftarrow}{\emptyset}$ EMPTY SET WITH LEFT ARROW ABOVE

Circle symbols

- 29B5 \ominus CIRCLE WITH HORIZONTAL BAR
 → 2296 \ominus circled minus
- 29B6 $\textcircled{\updownarrow}$ CIRCLED VERTICAL BAR
 → 1F715 $\textcircled{\updownarrow}$ alchemical symbol for nitre
- 29B7 $\textcircled{\parallel}$ CIRCLED PARALLEL
- 29B8 $\textcircled{\text{R}}$ CIRCLED REVERSE SOLIDUS
- 29B9 $\textcircled{\perp}$ CIRCLED PERPENDICULAR
- 29BA $\textcircled{\updownarrow}$ CIRCLE DIVIDED BY HORIZONTAL BAR AND TOP HALF DIVIDED BY VERTICAL BAR
- 29BB $\textcircled{\times}$ CIRCLE WITH SUPERIMPOSED X
 → 2297 $\textcircled{\times}$ circled times
- 29BC $\textcircled{\div}$ CIRCLED ANTICLOCKWISE-ROTATED DIVISION SIGN
- 29BD $\textcircled{\uparrow}$ UP ARROW THROUGH CIRCLE
- 29BE $\textcircled{\circ}$ CIRCLED WHITE BULLET
 → 229A $\textcircled{\circ}$ circled ring operator
 → 233E $\textcircled{\circ}$ apl functional symbol circle jot
 → 25CE $\textcircled{\circ}$ bullseye
- 29BF $\textcircled{\bullet}$ CIRCLED BULLET
 • forms part of a graduated set of circles with enclosed black circle of different sizes
 → 2299 $\textcircled{\bullet}$ circled dot operator
 → 25C9 $\textcircled{\bullet}$ fisheye
 → 2A00 $\textcircled{\bullet}$ n-ary circled dot operator
- 29C0 $\textcircled{\lessgtr}$ CIRCLED LESS-THAN
- 29C1 $\textcircled{\gtrless}$ CIRCLED GREATER-THAN
- 29C2 $\textcircled{\circ}$ CIRCLE WITH SMALL CIRCLE TO THE RIGHT
- 29C3 $\textcircled{\circ}$ CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT

Square symbols

- 29C4 \boxplus SQUARED RISING DIAGONAL SLASH
→ 2341 \boxplus apl functional symbol quad slash
→ 303C \boxplus masu mark
- 29C5 \boxminus SQUARED FALLING DIAGONAL SLASH
→ 2342 \boxminus apl functional symbol quad backslash
- 29C6 \boxtimes SQUARED ASTERISK
- 29C7 \boxcirc SQUARED SMALL CIRCLE
→ 233B \boxcirc apl functional symbol quad jot
- 29C8 \boxsquare SQUARED SQUARE
- 29C9 $\boxplus\boxminus$ TWO JOINED SQUARES

Triangle symbols

- 29CA \blacktriangleup TRIANGLE WITH DOT ABOVE
- 29CB \blacktriangledown TRIANGLE WITH UNDERBAR
- 29CC \blacktriangle S IN TRIANGLE
- 29CD \blacktriangle TRIANGLE WITH SERIFS AT BOTTOM
→ 25B3 \blacktriangle white up-pointing triangle
- 29CE \blacktriangleright RIGHT TRIANGLE ABOVE LEFT TRIANGLE
- 29CF \blacktriangleleft LEFT TRIANGLE BESIDE VERTICAL BAR
- 29D0 \blacktriangleright VERTICAL BAR BESIDE RIGHT TRIANGLE

Bowtie symbols

- 29D1 \bowtie BOWTIE WITH LEFT HALF BLACK
→ 22C8 \bowtie bowtie
- 29D2 \bowtie BOWTIE WITH RIGHT HALF BLACK
- 29D3 \bowtie BLACK BOWTIE
- 29D4 \bowtie TIMES WITH LEFT HALF BLACK
→ 22C9 \bowtie left normal factor semidirect product
- 29D5 \bowtie TIMES WITH RIGHT HALF BLACK
→ 22CA \bowtie right normal factor semidirect product
- 29D6 \bowtie WHITE HOURGLASS
= vertical bowtie
= white framus
→ 231B \bowtie hourglass
- 29D7 \bowtie BLACK HOURGLASS

Fences

- 29D8 $\} \}$ LEFT WIGGLY FENCE
→ FE34 $\} \}$ presentation form for vertical wavy low line
- 29D9 $\} \}$ RIGHT WIGGLY FENCE
- 29DA $\} \}$ LEFT DOUBLE WIGGLY FENCE
- 29DB $\} \}$ RIGHT DOUBLE WIGGLY FENCE

Miscellaneous mathematical symbols

- 29DC \sim INCOMPLETE INFINITY
= ISOtech entity ⧜
→ 221E ∞ infinity
- 29DD ∞ TIE OVER INFINITY
- 29DE ∞ INFINITY NEGATED WITH VERTICAL BAR
- 29DF \rightsquigarrow DOUBLE-ENDED MULTIMAP
→ 22B8 \rightsquigarrow multimap
→ 1F73A \rightsquigarrow alchemical symbol for arsenic
- 29E0 \square SQUARE WITH CONTOURED OUTLINE
= D'Alembertian
→ 274F \square lower right drop-shadowed white square
- 29E1 \preceq INCREASES AS
→ 22B4 \preceq normal subgroup of or equal to
- 29E2 \sqcup SHUFFLE PRODUCT
→ 22FF \sqcup z notation bag membership

Relations

- 29E3 \neq EQUALS SIGN AND SLANTED PARALLEL
→ 0023 \neq number sign
→ 22D5 \neq equal and parallel to
- 29E4 \neq EQUALS SIGN AND SLANTED PARALLEL WITH TILDE ABOVE
- 29E5 \neq IDENTICAL TO AND SLANTED PARALLEL
→ 2A68 \neq triple horizontal bar with double vertical stroke
- 29E6 \equiv GLEICH STARK
= tautological equivalent

Miscellaneous mathematical symbols

- 29E7 \neq THERMODYNAMIC
• vertical bar crossed by two horizontals
→ 2260 \neq not equal to
- 29E8 \blacktriangledown DOWN-POINTING TRIANGLE WITH LEFT HALF BLACK
→ 25ED \blacktriangle up-pointing triangle with left half black
- 29E9 \blacktriangledown DOWN-POINTING TRIANGLE WITH RIGHT HALF BLACK
→ 25EE \blacktriangle up-pointing triangle with right half black
- 29EA \blacklozenge BLACK DIAMOND WITH DOWN ARROW
- 29EB \blacklozenge BLACK LOZENGE
→ 25CA \blacklozenge lozenge
- 29EC \blacklozenge WHITE CIRCLE WITH DOWN ARROW
- 29ED \blacklozenge BLACK CIRCLE WITH DOWN ARROW

Error bar symbols

- 29EE \square ERROR-BARRED WHITE SQUARE
- 29EF \square ERROR-BARRED BLACK SQUARE
- 29F0 \diamond ERROR-BARRED WHITE DIAMOND
- 29F1 \blacklozenge ERROR-BARRED BLACK DIAMOND
- 29F2 \circ ERROR-BARRED WHITE CIRCLE
- 29F3 \bullet ERROR-BARRED BLACK CIRCLE

Miscellaneous mathematical symbols

- 29F4 \Rightarrow RULE-DELAYED
= colon right arrow
- 29F5 \setminus REVERSE SOLIDUS OPERATOR
→ 005C \setminus reverse solidus
→ 2216 \setminus set minus
- 29F6 $\overline{\setminus}$ SOLIDUS WITH OVERBAR
- 29F7 \setminus REVERSE SOLIDUS WITH HORIZONTAL STROKE
→ 2340 \setminus apl functional symbol backslash bar

Large operators

- 29F8 $\big/$ BIG SOLIDUS
→ 2215 $/$ division slash
- 29F9 $\big\setminus$ BIG REVERSE SOLIDUS
= z notation schema hiding
→ 2216 \setminus set minus

Specialized plus sign operators

- 29FA $\#$ DOUBLE PLUS
- 29FB $\#\#$ TRIPLE PLUS

































































































































































































































































Brackets

- 29FC \langle LEFT-POINTING CURVED ANGLE BRACKET
→ 227A \langle precedes
→ 2329 \langle left-pointing angle bracket
- 29FD \rangle RIGHT-POINTING CURVED ANGLE BRACKET
→ 227B \rangle succeeds
→ 232A \rangle right-pointing angle bracket

Miscellaneous mathematical symbols

29FE + TINY
→ 002B + plus sign

29FF - MINY
→ 2212 - minus sign

	2A0	2A1	2A2	2A3	2A4	2A5	2A6	2A7	2A8	2A9	2AA	2AB	2AC	2AD	2AE	2AF
0	 2A00	 2A10	 2A20	 2A30	 2A40	 2A50	 2A60	 2A70	 2A80	 2A90	 2AA0	 2AB0	 2AC0	 2AD0	 2AE0	 2AF0
1	 2A01	 2A11	 2A21	 2A31	 2A41	 2A51	 2A61	 2A71	 2A81	 2A91	 2AA1	 2AB1	 2AC1	 2AD1	 2AE1	 2AF1
2	 2A02	 2A12	 2A22	 2A32	 2A42	 2A52	 2A62	 2A72	 2A82	 2A92	 2AA2	 2AB2	 2AC2	 2AD2	 2AE2	 2AF2
3	 2A03	 2A13	 2A23	 2A33	 2A43	 2A53	 2A63	 2A73	 2A83	 2A93	 2AA3	 2AB3	 2AC3	 2AD3	 2AE3	 2AF3
4	 2A04	 2A14	 2A24	 2A34	 2A44	 2A54	 2A64	 2A74	 2A84	 2A94	 2AA4	 2AB4	 2AC4	 2AD4	 2AE4	 2AF4
5	 2A05	 2A15	 2A25	 2A35	 2A45	 2A55	 2A65	 2A75	 2A85	 2A95	 2AA5	 2AB5	 2AC5	 2AD5	 2AE5	 2AF5
6	 2A06	 2A16	 2A26	 2A36	 2A46	 2A56	 2A66	 2A76	 2A86	 2A96	 2AA6	 2AB6	 2AC6	 2AD6	 2AE6	 2AF6
7	 2A07	 2A17	 2A27	 2A37	 2A47	 2A57	 2A67	 2A77	 2A87	 2A97	 2AA7	 2AB7	 2AC7	 2AD7	 2AE7	 2AF7
8	 2A08	 2A18	 2A28	 2A38	 2A48	 2A58	 2A68	 2A78	 2A88	 2A98	 2AA8	 2AB8	 2AC8	 2AD8	 2AE8	 2AF8
9	 2A09	 2A19	 2A29	 2A39	 2A49	 2A59	 2A69	 2A79	 2A89	 2A99	 2AA9	 2AB9	 2AC9	 2AD9	 2AE9	 2AF9
A	 2A0A	 2A1A	 2A2A	 2A3A	 2A4A	 2A5A	 2A6A	 2A7A	 2A8A	 2A9A	 2AA A	 2ABA	 2ACA	 2ADA	 2AEA	 2AFA
B	 2A0B	 2A1B	 2A2B	 2A3B	 2A4B	 2A5B	 2A6B	 2A7B	 2A8B	 2A9B	 2AAB	 2ABB	 2ACB	 2ADB	 2AEB	 2AFB
C	 2A0C	 2A1C	 2A2C	 2A3C	 2A4C	 2A5C	 2A6C	 2A7C	 2A8C	 2A9C	 2AAC	 2ABC	 2ACC	 2ADC	 2AEC	 2AFC
D	 2A0D	 2A1D	 2A2D	 2A3D	 2A4D	 2A5D	 2A6D	 2A7D	 2A8D	 2A9D	 2AAD	 2ABD	 2ACD	 2ADD	 2AED	 2AFD
E	 2A0E	 2A1E	 2A2E	 2A3E	 2A4E	 2A5E	 2A6E	 2A7E	 2A8E	 2A9E	 2AAE	 2ABE	 2ACE	 2ADE	 2AEE	 2AFE
F	 2A0F	 2A1F	 2A2F	 2A3F	 2A4F	 2A5F	 2A6F	 2A7F	 2A8F	 2A9F	 2AAF	 2ABF	 2ACF	 2ADF	 2AEF	 2AFF

N-ary operators

- 2A00 \odot N-ARY CIRCLED DOT OPERATOR
→ 2299 \odot circled dot operator
→ 25C9 \odot fisheye
- 2A01 \oplus N-ARY CIRCLED PLUS OPERATOR
→ 2295 \oplus circled plus
- 2A02 \otimes N-ARY CIRCLED TIMES OPERATOR
→ 2297 \otimes circled times
→ 2B59 \otimes heavy circled saltire
- 2A03 \cup N-ARY UNION OPERATOR WITH DOT
- 2A04 \cup N-ARY UNION OPERATOR WITH PLUS
→ 228E \cup multiset union
- 2A05 \sqcap N-ARY SQUARE INTERSECTION OPERATOR
→ 2293 \sqcap square cap
- 2A06 \sqcup N-ARY SQUARE UNION OPERATOR
→ 2294 \sqcup square cup
- 2A07 \pitchfork TWO LOGICAL AND OPERATOR
= merge
→ 2A55 \pitchfork two intersecting logical and
- 2A08 \vee TWO LOGICAL OR OPERATOR
→ 2A56 \vee two intersecting logical or
- 2A09 \times N-ARY TIMES OPERATOR
→ 00D7 \times multiplication sign

Summations and integrals

- 2A0A \sum_2 MODULO TWO SUM
→ 2211 \sum n-ary summation
- 2A0B \int SUMMATION WITH INTEGRAL
- 2A0C \iiint QUADRUPLE INTEGRAL OPERATOR
→ 222D \iiint triple integral
 $\approx 222B \int 222B \int 222B \int 222B \int$
- 2A0D \int FINITE PART INTEGRAL
- 2A0E \int INTEGRAL WITH DOUBLE STROKE
- 2A0F \int INTEGRAL AVERAGE WITH SLASH
- 2A10 \int CIRCULATION FUNCTION
- 2A11 \int ANTICLOCKWISE INTEGRATION
- 2A12 \int LINE INTEGRATION WITH RECTANGULAR PATH AROUND POLE
- 2A13 \int LINE INTEGRATION WITH SEMICIRCULAR PATH AROUND POLE
- 2A14 \int LINE INTEGRATION NOT INCLUDING THE POLE
- 2A15 \oint INTEGRAL AROUND A POINT OPERATOR
→ 222E \oint contour integral
- 2A16 \int QUATERNION INTEGRAL OPERATOR
- 2A17 \int INTEGRAL WITH LEFTWARDS ARROW WITH HOOK
- 2A18 \int INTEGRAL WITH TIMES SIGN
- 2A19 \int INTEGRAL WITH INTERSECTION
- 2A1A \int INTEGRAL WITH UNION
- 2A1B \int INTEGRAL WITH OVERBAR
= upper integral
- 2A1C \int INTEGRAL WITH UNDERBAR
= lower integral

Miscellaneous large operators

- 2A1D \bowtie JOIN
= large bowtie
• relational database theory
→ 22C8 \bowtie bowtie
→ 27D7 \bowtie full outer join
- 2A1E \triangleleft LARGE LEFT TRIANGLE OPERATOR
• relational database theory
→ 25C1 \triangleleft white left-pointing triangle

- 2A1F ζ Z NOTATION SCHEMA COMPOSITION
→ 2A3E ζ z notation relational composition
- 2A20 \gg Z NOTATION SCHEMA PIPING
→ 226B \gg much greater-than
- 2A21 \uparrow Z NOTATION SCHEMA PROJECTION
→ 21BE \uparrow upwards harpoon with barb rightwards

Plus and minus sign operators

- 2A22 \dagger PLUS SIGN WITH SMALL CIRCLE ABOVE
- 2A23 \ddagger PLUS SIGN WITH CIRCUMFLEX ACCENT ABOVE
- 2A24 \ddagger PLUS SIGN WITH TILDE ABOVE
= positive difference or sum
- 2A25 \dagger PLUS SIGN WITH DOT BELOW
→ 2214 \dagger dot plus
- 2A26 \ddagger PLUS SIGN WITH TILDE BELOW
= sum or positive difference
- 2A27 \ddagger PLUS SIGN WITH SUBSCRIPT TWO
= nim-addition
- 2A28 \ddagger PLUS SIGN WITH BLACK TRIANGLE
- 2A29 \ddagger MINUS SIGN WITH COMMA ABOVE
- 2A2A \ddagger MINUS SIGN WITH DOT BELOW
→ 2238 \ddagger dot minus
- 2A2B \ddagger MINUS SIGN WITH FALLING DOTS
- 2A2C \ddagger MINUS SIGN WITH RISING DOTS
- 2A2D \oplus PLUS SIGN IN LEFT HALF CIRCLE
- 2A2E \oplus PLUS SIGN IN RIGHT HALF CIRCLE

Multiplication and division sign operators

- 2A2F \times VECTOR OR CROSS PRODUCT
→ 00D7 \times multiplication sign
- 2A30 \times MULTIPLICATION SIGN WITH DOT ABOVE
- 2A31 \times MULTIPLICATION SIGN WITH UNDERBAR
- 2A32 \times SEMIDIRECT PRODUCT WITH BOTTOM CLOSED
- 2A33 \times SMASH PRODUCT
- 2A34 \times MULTIPLICATION SIGN IN LEFT HALF CIRCLE
- 2A35 \times MULTIPLICATION SIGN IN RIGHT HALF CIRCLE
- 2A36 \times CIRCLED MULTIPLICATION SIGN WITH CIRCUMFLEX ACCENT
- 2A37 \otimes MULTIPLICATION SIGN IN DOUBLE CIRCLE
- 2A38 \oslash CIRCLED DIVISION SIGN

Miscellaneous mathematical operators

- 2A39 \triangle PLUS SIGN IN TRIANGLE
- 2A3A \triangle MINUS SIGN IN TRIANGLE
- 2A3B \triangle MULTIPLICATION SIGN IN TRIANGLE
- 2A3C \dashv INTERIOR PRODUCT
→ 230B \dashv right floor
- 2A3D \dashv RIGHTHAND INTERIOR PRODUCT
→ 230A \dashv left floor
→ 2319 \dashv turned not sign
- 2A3E ζ Z NOTATION RELATIONAL COMPOSITION
→ 2A1F ζ z notation schema composition
- 2A3F \sqcup AMALGAMATION OR COPRODUCT
→ 2210 \sqcup n-ary coproduct

Intersections and unions

- 2A40 \cap INTERSECTION WITH DOT
→ 2227 \cap logical and
→ 27D1 \cap and with dot
- 2A41 \cup UNION WITH MINUS SIGN
= z notation bag subtraction
→ 228E \cup multiset union
- 2A42 $\bar{\cup}$ UNION WITH OVERBAR
- 2A43 $\bar{\cap}$ INTERSECTION WITH OVERBAR
- 2A44 \pitchfork INTERSECTION WITH LOGICAL AND

2A45	∪	UNION WITH LOGICAL OR	2A6D	≐	CONGRUENT WITH DOT ABOVE → 2245 ≐ approximately equal to
2A46	∩	UNION ABOVE INTERSECTION	2A6E	≐*	EQUALS WITH ASTERISK → 225B ≐* star equals
2A47	∩	INTERSECTION ABOVE UNION	2A6F	≈	ALMOST EQUAL TO WITH CIRCUMFLEX ACCENT
2A48	∩	UNION ABOVE BAR ABOVE INTERSECTION	2A70	≈	APPROXIMATELY EQUAL OR EQUAL TO
2A49	∩	INTERSECTION ABOVE BAR ABOVE UNION	2A71	≡	EQUALS SIGN ABOVE PLUS SIGN • black stands slightly better (chess notation)
2A4A	∩	UNION BESIDE AND JOINED WITH UNION	2A72	±	PLUS SIGN ABOVE EQUALS SIGN • white stands slightly better (chess notation)
2A4B	∩	INTERSECTION BESIDE AND JOINED WITH INTERSECTION	2A73	≡	EQUALS SIGN ABOVE TILDE OPERATOR
2A4C	∪	CLOSED UNION WITH SERIFS → 222A ∪ union	2A74	≡≡	DOUBLE COLON EQUAL ≈ 003A : 003A : 003D =
2A4D	∩	CLOSED INTERSECTION WITH SERIFS → 2229 ∩ intersection	2A75	≡≡	TWO CONSECUTIVE EQUALS SIGNS ≈ 003D = 003D =
2A4E	∩	DOUBLE SQUARE INTERSECTION	2A76	≡≡≡	THREE CONSECUTIVE EQUALS SIGNS ≈ 003D = 003D = 003D =
2A4F	∩	DOUBLE SQUARE UNION	2A77	≡≡	EQUALS SIGN WITH TWO DOTS ABOVE AND TWO DOTS BELOW
2A50	∩	CLOSED UNION WITH SERIFS AND SMASH PRODUCT	2A78	≡≡≡	EQUIVALENT WITH FOUR DOTS ABOVE
Logical ands and ors			2A79	≡	LESS-THAN WITH CIRCLE INSIDE
2A51	∧	LOGICAL AND WITH DOT ABOVE	2A7A	≡	GREATER-THAN WITH CIRCLE INSIDE
2A52	∨	LOGICAL OR WITH DOT ABOVE	2A7B	≡	LESS-THAN WITH QUESTION MARK ABOVE
2A53	∧	DOUBLE LOGICAL AND	2A7C	≡	GREATER-THAN WITH QUESTION MARK ABOVE
2A54	∨	DOUBLE LOGICAL OR	2A7D	≡	LESS-THAN OR SLANTED EQUAL TO → 2264 ≡ less-than or equal to
2A55	∧	TWO INTERSECTING LOGICAL AND → 2A07 ∧ two logical and operator	2A7E	≡	GREATER-THAN OR SLANTED EQUAL TO → 2265 ≡ greater-than or equal to
2A56	∨	TWO INTERSECTING LOGICAL OR → 2A08 ∨ two logical or operator	2A7F	≡	LESS-THAN OR SLANTED EQUAL TO WITH DOT INSIDE
2A57	∧	SLOPING LARGE OR	2A80	≡	GREATER-THAN OR SLANTED EQUAL TO WITH DOT INSIDE
2A58	∧	SLOPING LARGE AND	2A81	≡	LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE
2A59	∧	LOGICAL OR OVERLAPPING LOGICAL AND	2A82	≡	GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE
2A5A	∧	LOGICAL AND WITH MIDDLE STEM	2A83	≡	LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE RIGHT
2A5B	∨	LOGICAL OR WITH MIDDLE STEM	2A84	≡	GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE LEFT
2A5C	∧	LOGICAL AND WITH HORIZONTAL DASH	2A85	≡	LESS-THAN OR APPROXIMATE
2A5D	∨	LOGICAL OR WITH HORIZONTAL DASH	2A86	≡	GREATER-THAN OR APPROXIMATE
2A5E	∧	LOGICAL AND WITH DOUBLE OVERBAR → 2306 ∧ perspective	2A87	≡	LESS-THAN AND SINGLE-LINE NOT EQUAL TO → 2268 ≡ less-than but not equal to
2A5F	∧	LOGICAL AND WITH UNDERBAR	2A88	≡	GREATER-THAN AND SINGLE-LINE NOT EQUAL TO → 2269 ≡ greater-than but not equal to
2A60	∧	LOGICAL AND WITH DOUBLE UNDERBAR → 2259 ∧ estimates	2A89	≡	LESS-THAN AND NOT APPROXIMATE
2A61	∨	SMALL VEE WITH UNDERBAR → 225A ∨ equiangular to	2A8A	≡	GREATER-THAN AND NOT APPROXIMATE
2A62	∨	LOGICAL OR WITH DOUBLE OVERBAR	2A8B	≡	LESS-THAN ABOVE DOUBLE-LINE EQUAL ABOVE GREATER-THAN → 22DA ≡ less-than equal to or greater-than
2A63	∨	LOGICAL OR WITH DOUBLE UNDERBAR → 225A ∨ equiangular to	2A8C	≡	GREATER-THAN ABOVE DOUBLE-LINE EQUAL ABOVE LESS-THAN → 22DB ≡ greater-than equal to or less-than
Miscellaneous mathematical operators			2A8D	≡	LESS-THAN ABOVE SIMILAR OR EQUAL
2A64	∠	Z NOTATION DOMAIN ANTIRESTRICTION	2A8E	≡	GREATER-THAN ABOVE SIMILAR OR EQUAL
2A65	∠	Z NOTATION RANGE ANTIRESTRICTION → 2332 ∠ conical taper	2A8F	≡	LESS-THAN ABOVE SIMILAR ABOVE GREATER-THAN
Relational operators			2A90	≡	GREATER-THAN ABOVE SIMILAR ABOVE LESS-THAN
2A66	≐	EQUALS SIGN WITH DOT BELOW → 2250 ≐ approaches the limit	2A91	≡	LESS-THAN ABOVE GREATER-THAN ABOVE DOUBLE-LINE EQUAL
2A67	≐	IDENTICAL WITH DOT ABOVE			
2A68	≐	TRIPLE HORIZONTAL BAR WITH DOUBLE VERTICAL STROKE = identical and parallel to → 22D5 ≐ equal and parallel to → 29E5 ≐ identical to and slanted parallel			
2A69	≐	TRIPLE HORIZONTAL BAR WITH TRIPLE VERTICAL STROKE			
2A6A	~	TILDE OPERATOR WITH DOT ABOVE			
2A6B	~	TILDE OPERATOR WITH RISING DOTS → 223B ~ homothetic			
2A6C	≈	SIMILAR MINUS SIMILAR			

2A92	\equiv	GREATER-THAN ABOVE LESS-THAN ABOVE DOUBLE-LINE EQUAL	2ABC	\gg	DOUBLE SUCCEEDS
2A93	\equiv	LESS-THAN ABOVE SLANTED EQUAL ABOVE GREATER-THAN ABOVE SLANTED EQUAL	Subset and superset relations		
2A94	\equiv	GREATER-THAN ABOVE SLANTED EQUAL ABOVE LESS-THAN ABOVE SLANTED EQUAL	2ABD	\subset	SUBSET WITH DOT
2A95	\leq	SLANTED EQUAL TO OR LESS-THAN → 22DC \leq equal to or less-than	2ABE	\supset	SUPERSET WITH DOT
2A96	\geq	SLANTED EQUAL TO OR GREATER-THAN → 22DD \geq equal to or greater-than	2ABF	\subset	SUBSET WITH PLUS SIGN BELOW
2A97	\leq	SLANTED EQUAL TO OR LESS-THAN WITH DOT INSIDE	2AC0	\supset	SUPERSET WITH PLUS SIGN BELOW
2A98	\geq	SLANTED EQUAL TO OR GREATER-THAN WITH DOT INSIDE	2AC1	\subset	SUBSET WITH MULTIPLICATION SIGN BELOW
2A99	\equiv	DOUBLE-LINE EQUAL TO OR LESS-THAN → 22DC \leq equal to or less-than	2AC2	\supset	SUPERSET WITH MULTIPLICATION SIGN BELOW
2A9A	\equiv	DOUBLE-LINE EQUAL TO OR GREATER-THAN → 22DD \geq equal to or greater-than	2AC3	\in	SUBSET OF OR EQUAL TO WITH DOT ABOVE
2A9B	\equiv	DOUBLE-LINE SLANTED EQUAL TO OR LESS-THAN	2AC4	\in	SUPERSET OF OR EQUAL TO WITH DOT ABOVE
2A9C	\equiv	DOUBLE-LINE SLANTED EQUAL TO OR GREATER-THAN	2AC5	\equiv	SUBSET OF ABOVE EQUALS SIGN
2A9D	\approx	SIMILAR OR LESS-THAN	2AC6	\equiv	SUPERSET OF ABOVE EQUALS SIGN
2A9E	\approx	SIMILAR OR GREATER-THAN	2AC7	\subset	SUBSET OF ABOVE TILDE OPERATOR
2A9F	\equiv	SIMILAR ABOVE LESS-THAN ABOVE EQUALS SIGN	2AC8	\supset	SUPERSET OF ABOVE TILDE OPERATOR
2AA0	\equiv	SIMILAR ABOVE GREATER-THAN ABOVE EQUALS SIGN	2AC9	\equiv	SUBSET OF ABOVE ALMOST EQUAL TO
2AA1	\ll	DOUBLE NESTED LESS-THAN = absolute continuity → 226A \ll much less-than	2ACA	\equiv	SUPERSET OF ABOVE ALMOST EQUAL TO
2AA2	\gg	DOUBLE NESTED GREATER-THAN → 226B \gg much greater-than	2ACB	\neq	SUBSET OF ABOVE NOT EQUAL TO
2AA3	\ll	DOUBLE NESTED LESS-THAN WITH UNDERBAR	2ACC	\neq	SUPERSET OF ABOVE NOT EQUAL TO
2AA4	\times	GREATER-THAN OVERLAPPING LESS-THAN	2ACD	\sqsubset	SQUARE LEFT OPEN BOX OPERATOR
2AA5	\times	GREATER-THAN BESIDE LESS-THAN	2ACE	\sqsupset	SQUARE RIGHT OPEN BOX OPERATOR
2AA6	\triangleleft	LESS-THAN CLOSED BY CURVE	2ACF	\sqsubset	CLOSED SUBSET → 2282 \subset subset of
2AA7	\triangleleft	GREATER-THAN CLOSED BY CURVE	2AD0	\supset	CLOSED SUPERSET → 2283 \supset superset of
2AA8	\triangleleft	LESS-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL	2AD1	\sqsubset	CLOSED SUBSET OR EQUAL TO
2AA9	\triangleleft	GREATER-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL	2AD2	\supset	CLOSED SUPERSET OR EQUAL TO
2AAA	\ll	SMALLER THAN	2AD3	\supset	SUBSET ABOVE SUPERSET
2AAB	\gg	LARGER THAN	2AD4	\supset	SUPERSET ABOVE SUBSET
2AAC	\leq	SMALLER THAN OR EQUAL TO	2AD5	\in	SUBSET ABOVE SUBSET
2AAD	\geq	LARGER THAN OR EQUAL TO	2AD6	\supset	SUPERSET ABOVE SUPERSET
2AAE	\equiv	EQUALS SIGN WITH BUMPY ABOVE → 224F \approx difference between	2AD7	\asymp	SUPERSET BESIDE SUBSET
2AAF	\leq	PRECEDES ABOVE SINGLE-LINE EQUALS SIGN → 227C \leq precedes or equal to	2AD8	\asymp	SUPERSET BESIDE AND JOINED BY DASH WITH SUBSET
2AB0	\geq	SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN → 227D \geq succeeds or equal to	Forks		
2AB1	\neq	PRECEDES ABOVE SINGLE-LINE NOT EQUAL TO	2AD9	\pitchfork	ELEMENT OF OPENING DOWNWARDS → 2208 \in element of → 27D2 ψ element of opening upwards
2AB2	\neq	SUCCEEDS ABOVE SINGLE-LINE NOT EQUAL TO	2ADA	\pitchfork	PITCHFORK WITH TEE TOP → 22D4 \pitchfork pitchfork
2AB3	\equiv	PRECEDES ABOVE EQUALS SIGN	2ADB	\pitchfork	TRANSVERSAL INTERSECTION → 22D4 \pitchfork pitchfork
2AB4	\equiv	SUCCEEDS ABOVE EQUALS SIGN	2ADC	\pitchfork	FORKING = not independent • an equational logic symbol, not a computing science symbol • non-independence (original concept) is related to forking \equiv 2ADD \downarrow 0338 $\not\neq$
2AB5	\neq	PRECEDES ABOVE NOT EQUAL TO	2ADD	\downarrow	NONFORKING = independent • an equational logic symbol, not a computing science symbol • independence (original concept) is related to non-forking
2AB6	\neq	SUCCEEDS ABOVE NOT EQUAL TO	Tacks and turnstiles		
2AB7	\neq	PRECEDES ABOVE ALMOST EQUAL TO	2ADE	\dashv	SHORT LEFT TACK → 22A3 \dashv left tack
2AB8	\neq	SUCCEEDS ABOVE ALMOST EQUAL TO	2ADF	\dashv	SHORT DOWN TACK → 22A4 \dashv down tack
2AB9	\neq	PRECEDES ABOVE NOT ALMOST EQUAL TO	2AE0	\dashv	SHORT UP TACK → 22A5 \dashv up tack
2ABA	\neq	SUCCEEDS ABOVE NOT ALMOST EQUAL TO			
2ABB	\leq	DOUBLE PRECEDES			

2AE1	\perp	PERPENDICULAR WITH S
2AE2	\equiv	VERTICAL BAR TRIPLE RIGHT TURNSTILE = ordinarily satisfies
2AE3	\dashv	DOUBLE VERTICAL BAR LEFT TURNSTILE → 22A9 \dashv forces
2AE4	\equiv	VERTICAL BAR DOUBLE LEFT TURNSTILE → 22A8 \equiv true
2AE5	\equiv	DOUBLE VERTICAL BAR DOUBLE LEFT TURNSTILE
2AE6	\dashv	LONG DASH FROM LEFT MEMBER OF DOUBLE VERTICAL → 22A9 \dashv forces
2AE7	\dashv	SHORT DOWN TACK WITH OVERBAR → 22A4 \dashv down tack → 2351 \dashv apl functional symbol up tack overbar
2AE8	$\underline{\dashv}$	SHORT UP TACK WITH UNDERBAR → 22A5 $\underline{\dashv}$ up tack → 234A $\underline{\dashv}$ apl functional symbol down tack underbar
2AE9	\dashv	SHORT UP TACK ABOVE SHORT DOWN TACK
2AEA	\dashv	DOUBLE DOWN TACK
2AEB	\perp	DOUBLE UP TACK = independence • probability theory
2AEC	\equiv	DOUBLE STROKE NOT SIGN → 00AC \equiv not sign
2AED	\equiv	REVERSED DOUBLE STROKE NOT SIGN → 2310 \equiv reversed not sign

Vertical line operators

2AEE	\dagger	DOES NOT DIVIDE WITH REVERSED NEGATION SLASH → 2224 \dagger does not divide
2AEF	\uparrow	VERTICAL LINE WITH CIRCLE ABOVE
2AF0	\downarrow	VERTICAL LINE WITH CIRCLE BELOW
2AF1	\dagger	DOWN TACK WITH CIRCLE BELOW = necessarily satisfies → 27DF \dagger up tack with circle above
2AF2	$\#$	PARALLEL WITH HORIZONTAL STROKE → 2226 $\#$ not parallel to → 27CA $\#$ vertical bar with horizontal stroke
2AF3	$\#$	PARALLEL WITH TILDE OPERATOR
2AF4	\equiv	TRIPLE VERTICAL BAR BINARY RELATION = interleave → 2980 \equiv triple vertical bar delimiter
2AF5	$\#$	TRIPLE VERTICAL BAR WITH HORIZONTAL STROKE → 27CA $\#$ vertical bar with horizontal stroke

Miscellaneous mathematical operator

2AF6	\vdots	TRIPLE COLON OPERATOR • logic → 205D \vdots tricolon → 22EE \vdots vertical ellipsis
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


















































































Relations

2AF7	\lll	TRIPLE NESTED LESS-THAN → 22D8 \lll very much less-than
2AF8	\ggg	TRIPLE NESTED GREATER-THAN → 22D9 \ggg very much greater-than
2AF9	\equiv	DOUBLE-LINE SLANTED LESS-THAN OR EQUAL TO → 2266 \equiv less-than over equal to

2AFA	\equiv	DOUBLE-LINE SLANTED GREATER-THAN OR EQUAL TO → 2267 \equiv greater-than over equal to
2AFB	\equiv	TRIPLE SOLIDUS BINARY RELATION → 2AF4 \equiv triple vertical bar binary relation

Operators

2AFC	\equiv	LARGE TRIPLE VERTICAL BAR OPERATOR • often n-ary → 2AF4 \equiv triple vertical bar binary relation → 2980 \equiv triple vertical bar delimiter
2AFD	\parallel	DOUBLE SOLIDUS OPERATOR → 2225 \parallel parallel to
2AFE	\equiv	WHITE VERTICAL BAR = Dijkstra choice
2AFF	\equiv	N-ARY WHITE VERTICAL BAR = n-ary Dijkstra choice

	2B0	2B1	2B2	2B3	2B4	2B5	2B6	2B7	2B8	2B9	2BA	2BB	2BC	2BD	2BE	2BF
0	 2B00	 2B10	 2B20	 2B30	 2B40	 2B50										
1	 2B01	 2B11	 2B21	 2B31	 2B41	 2B51										
2	 2B02	 2B12	 2B22	 2B32	 2B42	 2B52										
3	 2B03	 2B13	 2B23	 2B33	 2B43	 2B53										
4	 2B04	 2B14	 2B24	 2B34	 2B44	 2B54										
5	 2B05	 2B15	 2B25	 2B35	 2B45	 2B55										
6	 2B06	 2B16	 2B26	 2B36	 2B46	 2B56										
7	 2B07	 2B17	 2B27	 2B37	 2B47	 2B57										
8	 2B08	 2B18	 2B28	 2B38	 2B48	 2B58										
9	 2B09	 2B19	 2B29	 2B39	 2B49	 2B59										
A	 2B0A	 2B1A	 2B2A	 2B3A	 2B4A											
B	 2B0B	 2B1B	 2B2B	 2B3B	 2B4B											
C	 2B0C	 2B1C	 2B2C	 2B3C	 2B4C											
D	 2B0D	 2B1D	 2B2D	 2B3D												
E	 2B0E	 2B1E	 2B2E	 2B3E												
F	 2B0F	 2B1F	 2B2F	 2B3F												

White and black arrows

Other white and black arrows to complete this set can be found in the Arrows and Dingbats blocks.

2B00	↗	NORTH EAST WHITE ARROW
2B01	↖	NORTH WEST WHITE ARROW
2B02	↘	SOUTH EAST WHITE ARROW
2B03	↙	SOUTH WEST WHITE ARROW
2B04	↔	LEFT RIGHT WHITE ARROW → 21E6 ⇄ leftwards white arrow → 21F3 ⇕ up down white arrow
2B05	←	LEFTWARDS BLACK ARROW → 27A1 → black rightwards arrow
2B06	↑	UPWARDS BLACK ARROW
2B07	↓	DOWNWARDS BLACK ARROW
2B08	↗	NORTH EAST BLACK ARROW
2B09	↖	NORTH WEST BLACK ARROW
2B0A	↘	SOUTH EAST BLACK ARROW
2B0B	↙	SOUTH WEST BLACK ARROW
2B0C	↔	LEFT RIGHT BLACK ARROW
2B0D	↑	UP DOWN BLACK ARROW

Arrows with bent tips

Other arrows with bent tips to complete this set can be found in the Arrows block.

2B0E	→	RIGHTWARDS ARROW WITH TIP DOWNWARDS
2B0F	↘	RIGHTWARDS ARROW WITH TIP UPWARDS
2B10	←	LEFTWARDS ARROW WITH TIP DOWNWARDS
2B11	↖	LEFTWARDS ARROW WITH TIP UPWARDS

Squares

2B12	◼	SQUARE WITH TOP HALF BLACK → 25E7 ◼ square with left half black
2B13	◼	SQUARE WITH BOTTOM HALF BLACK
2B14	◼	SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK
2B15	◼	SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK

Diamonds

2B16	◊	DIAMOND WITH LEFT HALF BLACK
2B17	◊	DIAMOND WITH RIGHT HALF BLACK
2B18	◊	DIAMOND WITH TOP HALF BLACK
2B19	◊	DIAMOND WITH BOTTOM HALF BLACK

Squares

2B1A	◻	DOTTED SQUARE
2B1B	■	BLACK LARGE SQUARE → 25A0 ■ black square
2B1C	□	WHITE LARGE SQUARE → 25A1 □ white square
2B1D	▪	BLACK VERY SMALL SQUARE → 25AA ▪ black small square
2B1E	▫	WHITE VERY SMALL SQUARE → 25AB ▫ white small square

Pentagons

2B1F	⬠	BLACK PENTAGON
2B20	⬡	WHITE PENTAGON

Hexagons

2B21	⬢	WHITE HEXAGON
2B22	⬤	BLACK HEXAGON
2B23	⬥	HORIZONTAL BLACK HEXAGON

Circle

2B24	●	BLACK LARGE CIRCLE → 25CF ● black circle → 25EF ○ large circle → 1F534 ● large red circle
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Diamonds and lozenges

2B25	◆	BLACK MEDIUM DIAMOND → 25C6 ◆ black diamond
2B26	◇	WHITE MEDIUM DIAMOND → 25C7 ◇ white diamond → 1F754 ◇ alchemical symbol for soap
2B27	◊	BLACK MEDIUM LOZENGE
2B28	◇	WHITE MEDIUM LOZENGE → 25CA ◇ lozenge
2B29	◆	BLACK SMALL DIAMOND → 22C4 ◆ diamond operator → 1F538 ◆ small orange diamond
2B2A	◊	BLACK SMALL LOZENGE
2B2B	◇	WHITE SMALL LOZENGE

Ellipses

2B2C	●	BLACK HORIZONTAL ELLIPSE
2B2D	○	WHITE HORIZONTAL ELLIPSE
2B2E	●	BLACK VERTICAL ELLIPSE
2B2F	○	WHITE VERTICAL ELLIPSE

Mathematical arrows

These provide the opposite direction complement for arrows for mathematical use not originally encoded in both a leftwards and rightwards direction.

2B30	↔	LEFT ARROW WITH SMALL CIRCLE → 21F4 ↔ right arrow with small circle
2B31	⇌	THREE LEFTWARDS ARROWS → 21F6 ⇌ three rightwards arrows
2B32	↔	LEFT ARROW WITH CIRCLED PLUS → 27F4 ↻ right arrow with circled plus
2B33	↔	LONG LEFTWARDS SQUIGGLE ARROW → 27FF ↔ long rightwards squiggle arrow → 21DC ↔ leftwards squiggle arrow
2B34	↔	LEFTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE → 2900 ↔ rightwards two-headed arrow with vertical stroke
2B35	↔	LEFTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE → 2901 ↔ rightwards two-headed arrow with double vertical stroke
2B36	↔	LEFTWARDS TWO-HEADED ARROW FROM BAR → 2905 ↗ rightwards two-headed arrow from bar
2B37	↔	LEFTWARDS TWO-HEADED TRIPLE DASH ARROW → 2910 ↗ rightwards two-headed triple dash arrow
2B38	↔	LEFTWARDS ARROW WITH DOTTED STEM → 2911 ↗ rightwards arrow with dotted stem
2B39	↔	LEFTWARDS ARROW WITH TAIL WITH VERTICAL STROKE → 2914 ↗ rightwards arrow with tail with vertical stroke
2B3A	↔	LEFTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE → 2915 ↗ rightwards arrow with tail with double vertical stroke

- 2B3B ← LEFTWARDS TWO-HEADED ARROW WITH TAIL
→ 2916 ➤ rightwards two-headed arrow with tail
- 2B3C ⇐ LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE
→ 2917 ⇨ rightwards two-headed arrow with tail with vertical stroke
- 2B3D ⇐⇐ LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
→ 2918 ⇨⇨ rightwards two-headed arrow with tail with double vertical stroke
- 2B3E ⇐⇐⇐ LEFTWARDS ARROW THROUGH X
→ 2947 ⇨⇨ rightwards arrow through x
- 2B3F ↶ WAVE ARROW POINTING DIRECTLY LEFT
→ 2933 ~ wave arrow pointing directly right
→ 219C ↷ leftwards wave arrow
- 2B40 ⇐= EQUALS SIGN ABOVE LEFTWARDS ARROW
→ 2971 ⇨= equals sign above rightwards arrow
- 2B41 ⇐̄ REVERSE TILDE OPERATOR ABOVE LEFTWARDS ARROW
• mirror image of "⇨̄"
→ 2972 ⇨̄ tilde operator above rightwards arrow
- 2B42 ⇐̄≈ LEFTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO
• mirror image of "⇨̄≈"
→ 2975 ⇨̄≈ rightwards arrow above almost equal to
- 2B43 ➤ RIGHTWARDS ARROW THROUGH GREATER-THAN
• mirror image of "⇨̄<"
→ 2977 ⇨̄< leftwards arrow through less-than
- 2B44 ➤⇨ RIGHTWARDS ARROW THROUGH SUPERSET
• mirror image of "⇨̄⊆"
→ 297A ⇨̄⊆ leftwards arrow through subset
- 2B45 ⇐⇐⇐⇐ LEFTWARDS QUADRUPLE ARROW
→ 27F0 ⤴ upwards quadruple arrow
- 2B46 ⇨⇨⇨⇨ RIGHTWARDS QUADRUPLE ARROW
- 2B47 ⇨̄ REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW
- 2B48 ⇨̄≈ RIGHTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO
- 2B49 ⇨̄= TILDE OPERATOR ABOVE LEFTWARDS ARROW
- 2B4A ⇨̄≈ LEFTWARDS ARROW ABOVE ALMOST EQUAL TO
- 2B4B ⇨̄̄ LEFTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
• mirror image of "⇨̄̄"
→ 2974 ⇨̄̄ rightwards arrow above tilde operator
- 2B4C ⇨̄̄⇨ RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
• mirror image of "⇨̄̄⇨"
→ 2973 ⇨̄̄⇨ leftwards arrow above tilde operator

Stars

- 2B50 ☆ WHITE MEDIUM STAR
→ 22C6 ☆ star operator
- 2B51 ★ BLACK SMALL STAR
→ 066D ★ arabic five pointed star
- 2B52 ☆ WHITE SMALL STAR

Pentagons

- 2B53 ⬛ BLACK RIGHT-POINTING PENTAGON
- 2B54 ⬜ WHITE RIGHT-POINTING PENTAGON

Traffic sign from ARIB STD B24

- 2B55 ○ HEAVY LARGE CIRCLE
= basic symbol for speed limit
• forms a game tally pair with 274C ✕
→ 25EF ○ large circle

Dictionary and map symbols from ARIB STD B24

- 2B56 ◎ HEAVY OVAL WITH OVAL INSIDE
= prefectural office
- 2B57 ⊙ HEAVY CIRCLE WITH CIRCLE INSIDE
= municipal office
→ 25CE ⊙ bullseye
- 2B58 ○ HEAVY CIRCLE
= town or village office
→ 25CB ○ white circle
- 2B59 ⊗ HEAVY CIRCLED SALTIRE
= police station
→ 2A02 ⊗ n-ary circled times operator

	2C0	2C1	2C2	2C3	2C4	2C5
0	Ɱ 2C00	Ɱ̈ 2C10	Ɱ̇ 2C20	Ɱ̆ 2C30	Ɱ̅ 2C40	Ɱ̄ 2C50
1	Ɱ̌ 2C01	Ɱ̍ 2C11	Ɱ̎ 2C21	Ɱ̏ 2C31	Ɱ̐ 2C41	Ɱ̑ 2C51
2	Ɱ̒ 2C02	Ɱ̓ 2C12	Ɱ̔ 2C22	Ɱ̕ 2C32	Ɱ̖ 2C42	Ɱ̗ 2C52
3	Ɱ̘ 2C03	Ɱ̙ 2C13	Ɱ̚ 2C23	Ɱ̛ 2C33	Ɱ̜ 2C43	Ɱ̝ 2C53
4	Ɱ̞ 2C04	Ɱ̟ 2C14	Ɱ̠ 2C24	Ɱ̡ 2C34	Ɱ̢ 2C44	Ɱ̣ 2C54
5	Ɱ̤ 2C05	Ɱ̥ 2C15	Ɱ̦ 2C25	Ɱ̧ 2C35	Ɱ̨ 2C45	Ɱ̩ 2C55
6	Ɱ̪ 2C06	Ɱ̫ 2C16	Ɱ̬ 2C26	Ɱ̭ 2C36	Ɱ̮ 2C46	Ɱ̯ 2C56
7	Ɱ̱ 2C07	Ɱ̲ 2C17	Ɱ̳ 2C27	Ɱ̴ 2C37	Ɱ̵ 2C47	Ɱ̶ 2C57
8	Ɱ̸ 2C08	Ɱ̹ 2C18	Ɱ̺ 2C28	Ɱ̻ 2C38	Ɱ̼ 2C48	Ɱ̽ 2C58
9	Ɱ̿ 2C09	Ɱ̻̈ 2C19	Ɱ̻̇ 2C29	Ɱ̻̆ 2C39	Ɱ̻̅ 2C49	Ɱ̻̄ 2C59
A	Ɱ̼̌ 2C0A	Ɱ̼̍ 2C1A	Ɱ̼̎ 2C2A	Ɱ̼̏ 2C3A	Ɱ̼̐ 2C4A	Ɱ̼̑ 2C5A
B	Ɱ̼̒ 2C0B	Ɱ̼̓ 2C1B	Ɱ̼̔ 2C2B	Ɱ̼̕ 2C3B	Ɱ̼̖ 2C4B	Ɱ̼̗ 2C5B
C	Ɱ̼̘ 2C0C	Ɱ̼̙ 2C1C	Ɱ̼̚ 2C2C	Ɱ̛̼ 2C3C	Ɱ̼̜ 2C4C	Ɱ̼̝ 2C5C
D	Ɱ̼̞ 2C0D	Ɱ̼̟ 2C1D	Ɱ̼̠ 2C2D	Ɱ̡̼ 2C3D	Ɱ̢̼ 2C4D	Ɱ̼̣ 2C5D
E	Ɱ̼̤ 2C0E	Ɱ̼̥ 2C1E	Ɱ̼̦ 2C2E	Ɱ̧̼ 2C3E	Ɱ̨̼ 2C4E	Ɱ̼̩ 2C5E
F	Ɱ̼̪ 2C0F	Ɱ̼̫ 2C1F		Ɱ̼̭ 2C3F	Ɱ̼̮ 2C4F	

Capital letters

2C00	ⱦ	GLAGOLITIC CAPITAL LETTER AZU	2C39	Ɀ	GLAGOLITIC SMALL LETTER IZHE
2C01	Ⱨ	GLAGOLITIC CAPITAL LETTER BUKY	2C3A	Ȿ	GLAGOLITIC SMALL LETTER INITIAL IZHE → A647 Ɀ cyrillic small letter iota
2C02	ⱨ	GLAGOLITIC CAPITAL LETTER VEDE	2C3B	ⱽ	GLAGOLITIC SMALL LETTER I
2C03	Ⱪ	GLAGOLITIC CAPITAL LETTER GLAGOLI	2C3C	ⱼ	GLAGOLITIC SMALL LETTER DJERVI
2C04	ⱪ	GLAGOLITIC CAPITAL LETTER DOBRO	2C3D	ⱻ	GLAGOLITIC SMALL LETTER KAKO
2C05	ⱬ	GLAGOLITIC CAPITAL LETTER YESTU	2C3E	ⱼ	GLAGOLITIC SMALL LETTER LJUDIJE
2C06	Ɑ	GLAGOLITIC CAPITAL LETTER ZHIVETE	2C3F	Ȿ	GLAGOLITIC SMALL LETTER MYSLITE
2C07	Ɱ	GLAGOLITIC CAPITAL LETTER DZELO	2C40	Ɀ	GLAGOLITIC SMALL LETTER NASHI
2C08	Ɐ	GLAGOLITIC CAPITAL LETTER ZEMLJA	2C41	Ȿ	GLAGOLITIC SMALL LETTER ONU
2C09	Ɒ	GLAGOLITIC CAPITAL LETTER IZHE	2C42	Ɀ	GLAGOLITIC SMALL LETTER POKOJI
2C0A	ⱱ	GLAGOLITIC CAPITAL LETTER INITIAL IZHE	2C43	Ȿ	GLAGOLITIC SMALL LETTER RITSI
2C0B	Ⱳ	GLAGOLITIC CAPITAL LETTER I	2C44	Ȿ	GLAGOLITIC SMALL LETTER SLOVO
2C0C	ⱳ	GLAGOLITIC CAPITAL LETTER DJERVI	2C45	Ȿ	GLAGOLITIC SMALL LETTER TVRIDO
2C0D	ⱴ	GLAGOLITIC CAPITAL LETTER KAKO	2C46	Ȿ	GLAGOLITIC SMALL LETTER UKU
2C0E	Ⱶ	GLAGOLITIC CAPITAL LETTER LJUDIJE	2C47	Ȿ	GLAGOLITIC SMALL LETTER FRITU
2C0F	ⱶ	GLAGOLITIC CAPITAL LETTER MYSLITE	2C48	Ȿ	GLAGOLITIC SMALL LETTER HERU
2C10	ⱷ	GLAGOLITIC CAPITAL LETTER NASHI	2C49	Ȿ	GLAGOLITIC SMALL LETTER OTU
2C11	ⱸ	GLAGOLITIC CAPITAL LETTER ONU	2C4A	Ȿ	GLAGOLITIC SMALL LETTER PE
2C12	ⱹ	GLAGOLITIC CAPITAL LETTER POKOJI	2C4B	Ȿ	GLAGOLITIC SMALL LETTER SHTA
2C13	ⱺ	GLAGOLITIC CAPITAL LETTER RITSI	2C4C	Ȿ	GLAGOLITIC SMALL LETTER TSI
2C14	ⱻ	GLAGOLITIC CAPITAL LETTER SLOVO	2C4D	Ȿ	GLAGOLITIC SMALL LETTER CHRIVI
2C15	ⱼ	GLAGOLITIC CAPITAL LETTER TVRIDO	2C4E	Ȿ	GLAGOLITIC SMALL LETTER SHA
2C16	Ȿ	GLAGOLITIC CAPITAL LETTER UKU	2C4F	Ȿ	GLAGOLITIC SMALL LETTER YERU
2C17	Ȿ	GLAGOLITIC CAPITAL LETTER FRITU	2C50	Ȿ	GLAGOLITIC SMALL LETTER YERI
2C18	Ȿ	GLAGOLITIC CAPITAL LETTER HERU	2C51	Ȿ	GLAGOLITIC SMALL LETTER YATI
2C19	Ȿ	GLAGOLITIC CAPITAL LETTER OTU	2C52	Ȿ	GLAGOLITIC SMALL LETTER SPIDERY HA
2C1A	Ȿ	GLAGOLITIC CAPITAL LETTER PE	2C53	Ȿ	GLAGOLITIC SMALL LETTER YU
2C1B	Ȿ	GLAGOLITIC CAPITAL LETTER SHTA	2C54	Ȿ	GLAGOLITIC SMALL LETTER SMALL YUS
2C1C	Ȿ	GLAGOLITIC CAPITAL LETTER TSI	2C55	Ȿ	GLAGOLITIC SMALL LETTER SMALL YUS WITH TAIL
2C1D	Ȿ	GLAGOLITIC CAPITAL LETTER CHRIVI	2C56	Ȿ	GLAGOLITIC SMALL LETTER YO
2C1E	Ȿ	GLAGOLITIC CAPITAL LETTER SHA	2C57	Ȿ	GLAGOLITIC SMALL LETTER IOTATED SMALL YUS
2C1F	Ȿ	GLAGOLITIC CAPITAL LETTER YERU	2C58	Ȿ	GLAGOLITIC SMALL LETTER BIG YUS
2C20	Ȿ	GLAGOLITIC CAPITAL LETTER YERI	2C59	Ȿ	GLAGOLITIC SMALL LETTER IOTATED BIG YUS
2C21	Ȿ	GLAGOLITIC CAPITAL LETTER YATI	2C5A	Ȿ	GLAGOLITIC SMALL LETTER FITA
2C22	Ȿ	GLAGOLITIC CAPITAL LETTER SPIDERY HA	2C5B	Ȿ	GLAGOLITIC SMALL LETTER IZHITSA
2C23	Ȿ	GLAGOLITIC CAPITAL LETTER YU	2C5C	Ȿ	GLAGOLITIC SMALL LETTER SHTAPIC
2C24	Ȿ	GLAGOLITIC CAPITAL LETTER SMALL YUS	2C5D	Ȿ	GLAGOLITIC SMALL LETTER TROKUTASTI A
2C25	Ȿ	GLAGOLITIC CAPITAL LETTER SMALL YUS WITH TAIL	2C5E	Ȿ	GLAGOLITIC SMALL LETTER LATINATE MYSLITE
2C26	Ȿ	GLAGOLITIC CAPITAL LETTER YO			
2C27	Ȿ	GLAGOLITIC CAPITAL LETTER IOTATED SMALL YUS			
2C28	Ȿ	GLAGOLITIC CAPITAL LETTER BIG YUS			
2C29	Ȿ	GLAGOLITIC CAPITAL LETTER IOTATED BIG YUS			
2C2A	Ȿ	GLAGOLITIC CAPITAL LETTER FITA			
2C2B	Ȿ	GLAGOLITIC CAPITAL LETTER IZHITSA			
2C2C	Ȿ	GLAGOLITIC CAPITAL LETTER SHTAPIC			
2C2D	Ȿ	GLAGOLITIC CAPITAL LETTER TROKUTASTI A			
2C2E	Ȿ	GLAGOLITIC CAPITAL LETTER LATINATE MYSLITE			

Small letters

2C30	ⱦ	GLAGOLITIC SMALL LETTER AZU
2C31	Ⱨ	GLAGOLITIC SMALL LETTER BUKY
2C32	ⱨ	GLAGOLITIC SMALL LETTER VEDE
2C33	Ⱪ	GLAGOLITIC SMALL LETTER GLAGOLI
2C34	ⱪ	GLAGOLITIC SMALL LETTER DOBRO
2C35	ⱬ	GLAGOLITIC SMALL LETTER YESTU
2C36	Ɑ	GLAGOLITIC SMALL LETTER ZHIVETE
2C37	Ɱ	GLAGOLITIC SMALL LETTER DZELO
2C38	Ɐ	GLAGOLITIC SMALL LETTER ZEMLJA

	2C66	2C77
0	Ł 2C60	Ɔ 2C70
1	ł 2C61	ɔ 2C71
2	Ł 2C62	Ɔ 2C72
3	Ɔ 2C63	ɔ 2C73
4	Ɔ 2C64	ɔ 2C74
5	Ɔ 2C65	ɔ 2C75
6	Ɔ 2C66	ɔ 2C76
7	Ɔ 2C67	ɔ 2C77
8	Ɔ 2C68	ɔ 2C78
9	Ɔ 2C69	ɔ 2C79
A	Ɔ 2C6A	ɔ 2C7A
B	Ɔ 2C6B	ɔ 2C7B
C	Ɔ 2C6C	ɔ 2C7C
D	Ɔ 2C6D	ɔ 2C7D
E	Ɔ 2C6E	ɔ 2C7E
F	Ɔ 2C6F	ɔ 2C7F

Orthographic Latin additions

- 2C60 Ł LATIN CAPITAL LETTER L WITH DOUBLE BAR
 2C61 ł LATIN SMALL LETTER L WITH DOUBLE BAR
 2C62 Ł LATIN CAPITAL LETTER L WITH MIDDLE TILDE
 • lowercase is 026B ł
 2C63 Ɔ LATIN CAPITAL LETTER P WITH STROKE
 • lowercase is 1D7D Ɔ
 2C64 Ɔ LATIN CAPITAL LETTER R WITH TAIL
 • lowercase is 027D Ɔ
 2C65 Ɔ LATIN SMALL LETTER A WITH STROKE
 • uppercase is 023A Ɔ
 2C66 Ɔ LATIN SMALL LETTER T WITH DIAGONAL STROKE
 • uppercase is 023E Ɔ

Additions for Uighur

- 2C67 Ɔ LATIN CAPITAL LETTER H WITH DESCENDER
 2C68 Ɔ LATIN SMALL LETTER H WITH DESCENDER
 2C69 Ɔ LATIN CAPITAL LETTER K WITH DESCENDER
 2C6A Ɔ LATIN SMALL LETTER K WITH DESCENDER
 2C6B Ɔ LATIN CAPITAL LETTER Z WITH DESCENDER
 2C6C Ɔ LATIN SMALL LETTER Z WITH DESCENDER

Miscellaneous additions

- 2C6D Ɔ LATIN CAPITAL LETTER ALPHA
 • lowercase is 0251 Ɔ
 2C6E Ɔ LATIN CAPITAL LETTER M WITH HOOK
 • lowercase is 0271 Ɔ
 2C6F Ɔ LATIN CAPITAL LETTER TURNED A
 • lowercase is 0250 Ɔ
 2C70 Ɔ LATIN CAPITAL LETTER TURNED ALPHA
 • lowercase is 0252 Ɔ
 2C71 Ɔ LATIN SMALL LETTER V WITH RIGHT HOOK
 2C72 Ɔ LATIN CAPITAL LETTER W WITH HOOK
 2C73 Ɔ LATIN SMALL LETTER W WITH HOOK
 2C74 Ɔ LATIN SMALL LETTER V WITH CURL

Claudian letters

Claudian letters in inscriptions are uppercase, but may be transcribed by scholars in lowercase.

- 2C75 Ɔ LATIN CAPITAL LETTER HALF H
 → 0370 Ɔ greek capital letter heta
 → 2132 Ɔ turned capital f
 → 2183 Ɔ roman numeral reversed one hundred
 2C76 Ɔ LATIN SMALL LETTER HALF H
 → 0371 Ɔ greek small letter heta

Additions for UPA

- 2C77 Ɔ LATIN SMALL LETTER TAILLESS PHI
 • medium rounded o
 2C78 Ɔ LATIN SMALL LETTER E WITH NOTCH
 2C79 Ɔ LATIN SMALL LETTER TURNED R WITH TAIL
 2C7A Ɔ LATIN SMALL LETTER O WITH LOW RING INSIDE
 2C7B Ɔ LATIN LETTER SMALL CAPITAL TURNED E
 2C7C Ɔ LATIN SUBSCRIPT SMALL LETTER J
 ≈ <sub> 006A Ɔ
 2C7D Ɔ MODIFIER LETTER CAPITAL V
 ≈ <super> 0056 Ɔ

Additions for Shona

- 2C7E Ɔ LATIN CAPITAL LETTER S WITH SWASH TAIL
 • lower case is 023F Ɔ
 2C7F Ɔ LATIN CAPITAL LETTER Z WITH SWASH TAIL
 • lower case is 0240 Ɔ

	2C8	2C9	2CA	2CB	2CC	2CD	2CE	2CF
0	Ⲁ 2C80	Ⲑ 2C90	Ⲡ 2CA0	Ⲫ 2CB0	Ⲥ 2CC0	Ⲭ 2CD0	Ⲱ 2CE0	Ⲁ̅ 2CF0
1	ⲁ 2C81	ⲑ 2C91	ⲡ 2CA1	ⲫ 2CB1	ⲥ 2CC1	ⲭ 2CD1	ⲱ 2CE1	ⲁ̅ 2CF1
2	Ⲃ 2C82	Ⲓ 2C92	Ⲣ 2CA2	Ⲭ 2CB2	Ⲧ 2CC2	Ⲯ 2CD2	Ⲳ 2CE2	
3	ⲃ 2C83	ⲓ 2C93	ⲣ 2CA3	ⲭ 2CB3	ⲧ 2CC3	ⲯ 2CD3	ⲳ 2CE3	
4	Ⲅ 2C84	Ⲕ 2C94	Ⲥ 2CA4	Ⲯ 2CB4	Ⲩ 2CC4	ⲱ 2CD4	Ⲵ 2CE4	
5	ⲅ 2C85	ⲕ 2C95	Ⲇ 2CA5	ⲯ 2CB5	ⲩ 2CC5	Ⲳ 2CD5	ⲵ 2CE5	
6	Ⲇ 2C86	Ⲍ 2C96	ⲇ 2CA6	Ⲱ 2CB6	Ⲫ 2CC6	ⲳ 2CD6	Ⲷ 2CE6	
7	ⲇ 2C87	ⲍ 2C97	Ⲉ 2CA7	ⲱ 2CB7	ⲫ 2CC7	Ⲵ 2CD7	ⲷ 2CE7	
8	Ⲉ 2C88	Ⲏ 2C98	ⲉ 2CA8	Ⲳ 2CB8	Ⲭ 2CC8	Ⲵ 2CD8	Ⲹ 2CE8	
9	ⲉ 2C89	ⲏ 2C99	Ⲋ 2CA9	ⲳ 2CB9	ⲭ 2CC9	ⲵ 2CD9	ⲹ 2CE9	Ⲹ̅ 2CF9
A	Ⲋ 2C8A	Ⲑ 2C9A	ⲋ 2CAA	Ⲵ 2CBA	ⲯ 2CCA	Ⲷ 2CDA	Ⲻ 2CEA	Ⲹ̅̅ 2CFA
B	ⲋ 2C8B	ⲑ 2C9B	Ⲍ 2CAB	ⲵ 2CBB	Ⲱ 2CCB	ⲷ 2CDB	ⲻ 2CEB	Ⲹ̅̅̅ 2CFB
C	Ⲍ 2C8C	Ⲓ 2C9C	ⲍ 2CAC	Ⲷ 2CBC	ⲳ 2CCC	Ⲽ 2CDC	ⲽ 2CEC	Ⲹ̅̅̅̅ 2CFC
D	ⲍ 2C8D	ⲓ 2C9D	Ⲏ 2CAD	ⲷ 2CBD	Ⲵ 2CCD	ⲽ 2CDD	ⲿ 2CED	Ⲹ̅̅̅̅̅ 2CFD
E	Ⲏ 2C8E	Ⲕ 2C9E	ⲏ 2CAE	Ⲹ 2CBE	ⲱ 2CCE	ⲿ 2CDE	Ⲿ 2CEE	Ⲹ̅̅̅̅̅̅ 2CFE
F	ⲏ 2C8F	ⲕ 2C9F	ⲑ 2CAF	ⲹ 2CBF	Ⲳ 2CCF	Ⲿ 2CDF	ⲿ̅ 2CEF	Ⲹ̅̅̅̅̅̅̅ 2CFF

Other Coptic letters derived from Demotic are encoded in the Greek and Coptic block.

Bohairic Coptic letters

2C80	Ⲁ	COPTIC CAPITAL LETTER ALFA
2C81	ⲁ	COPTIC SMALL LETTER ALFA
2C82	Ⲃ	COPTIC CAPITAL LETTER VIDA
2C83	ⲃ	COPTIC SMALL LETTER VIDA
2C84	Ⲅ	COPTIC CAPITAL LETTER GAMMA
2C85	ⲅ	COPTIC SMALL LETTER GAMMA
2C86	Ⲇ	COPTIC CAPITAL LETTER DALDA
2C87	ⲇ	COPTIC SMALL LETTER DALDA
2C88	Ⲉ	COPTIC CAPITAL LETTER EIE
2C89	ⲉ	COPTIC SMALL LETTER EIE
2C8A	Ⲋ	COPTIC CAPITAL LETTER SOU
2C8B	ⲋ	COPTIC SMALL LETTER SOU
2C8C	Ⲍ	COPTIC CAPITAL LETTER ZATA
2C8D	ⲍ	COPTIC SMALL LETTER ZATA
2C8E	Ⲏ	COPTIC CAPITAL LETTER HATE
2C8F	ⲏ	COPTIC SMALL LETTER HATE
2C90	Ⲑ	COPTIC CAPITAL LETTER THETHE
2C91	ⲑ	COPTIC SMALL LETTER THETHE
2C92	Ⲓ	COPTIC CAPITAL LETTER IAUDA
2C93	ⲓ	COPTIC SMALL LETTER IAUDA
2C94	Ⲕ	COPTIC CAPITAL LETTER KAPA
2C95	ⲕ	COPTIC SMALL LETTER KAPA
2C96	Ⲗ	COPTIC CAPITAL LETTER LAULA
2C97	ⲗ	COPTIC SMALL LETTER LAULA
2C98	Ⲙ	COPTIC CAPITAL LETTER MI
2C99	ⲙ	COPTIC SMALL LETTER MI
2C9A	Ⲏ	COPTIC CAPITAL LETTER NI
2C9B	ⲏ	COPTIC SMALL LETTER NI
2C9C	Ⲑ	COPTIC CAPITAL LETTER KSI
2C9D	ⲑ	COPTIC SMALL LETTER KSI
2C9E	Ⲓ	COPTIC CAPITAL LETTER O
2C9F	ⲓ	COPTIC SMALL LETTER O
2CA0	Ⲕ	COPTIC CAPITAL LETTER PI
2CA1	ⲕ	COPTIC SMALL LETTER PI
2CA2	Ⲗ	COPTIC CAPITAL LETTER RO
2CA3	ⲗ	COPTIC SMALL LETTER RO
2CA4	Ⲙ	COPTIC CAPITAL LETTER SIMA
2CA5	ⲙ	COPTIC SMALL LETTER SIMA
2CA6	Ⲏ	COPTIC CAPITAL LETTER TAU
2CA7	ⲏ	COPTIC SMALL LETTER TAU
2CA8	Ⲑ	COPTIC CAPITAL LETTER UA
2CA9	ⲑ	COPTIC SMALL LETTER UA
2CAA	Ⲓ	COPTIC CAPITAL LETTER FI
2CAB	ⲓ	COPTIC SMALL LETTER FI
2CAC	Ⲕ	COPTIC CAPITAL LETTER KHI
2CAD	ⲕ	COPTIC SMALL LETTER KHI
2CAE	Ⲗ	COPTIC CAPITAL LETTER PSI
2CAF	ⲗ	COPTIC SMALL LETTER PSI
2CB0	Ⲙ	COPTIC CAPITAL LETTER OOU
2CB1	ⲙ	COPTIC SMALL LETTER OOU

Old Coptic and dialect letters

2CB2	Ⲛ	COPTIC CAPITAL LETTER DIALECT-P ALEF
2CB3	ⲛ	COPTIC SMALL LETTER DIALECT-P ALEF
2CB4	Ⲝ	COPTIC CAPITAL LETTER OLD COPTIC AIN
2CB5	ⲝ	COPTIC SMALL LETTER OLD COPTIC AIN
2CB6	Ⲟ	COPTIC CAPITAL LETTER CRYPTOGRAMMIC EIE
2CB7	ⲟ	COPTIC SMALL LETTER CRYPTOGRAMMIC EIE

2CB8	Ⲡ	COPTIC CAPITAL LETTER DIALECT-P KAPA
2CB9	ⲡ	COPTIC SMALL LETTER DIALECT-P KAPA
2CBA	Ⲣ	COPTIC CAPITAL LETTER DIALECT-P NI
2CBB	ⲣ	COPTIC SMALL LETTER DIALECT-P NI
2CBC	Ⲥ	COPTIC CAPITAL LETTER CRYPTOGRAMMIC NI
2CBD	ⲥ	COPTIC SMALL LETTER CRYPTOGRAMMIC NI
2CBE	Ⲧ	COPTIC CAPITAL LETTER OLD COPTIC OOU
2CBF	ⲧ	COPTIC SMALL LETTER OLD COPTIC OOU
2CC0	Ⲩ	COPTIC CAPITAL LETTER SAMPI
2CC1	ⲩ	COPTIC SMALL LETTER SAMPI
2CC2	Ⲫ	COPTIC CAPITAL LETTER CROSSED SHEI
2CC3	ⲫ	COPTIC SMALL LETTER CROSSED SHEI
2CC4	Ⲭ	COPTIC CAPITAL LETTER OLD COPTIC SHEI
2CC5	ⲭ	COPTIC SMALL LETTER OLD COPTIC SHEI
2CC6	Ⲯ	COPTIC CAPITAL LETTER OLD COPTIC ESH
2CC7	ⲯ	COPTIC SMALL LETTER OLD COPTIC ESH
2CC8	Ⲱ	COPTIC CAPITAL LETTER AKHMIMIC KHEI
2CC9	ⲱ	COPTIC SMALL LETTER AKHMIMIC KHEI
2CCA	Ⲳ	COPTIC CAPITAL LETTER DIALECT-P HORI
2CCB	ⲳ	COPTIC SMALL LETTER DIALECT-P HORI
2CCC	Ⲵ	COPTIC CAPITAL LETTER OLD COPTIC HORI
2CCD	ⲵ	COPTIC SMALL LETTER OLD COPTIC HORI
2CCE	Ⲷ	COPTIC CAPITAL LETTER OLD COPTIC HA
2CCF	ⲷ	COPTIC SMALL LETTER OLD COPTIC HA
2CD0	Ⲹ	COPTIC CAPITAL LETTER L-SHAPED HA
2CD1	ⲹ	COPTIC SMALL LETTER L-SHAPED HA
2CD2	Ⲻ	COPTIC CAPITAL LETTER OLD COPTIC HEI
2CD3	ⲻ	COPTIC SMALL LETTER OLD COPTIC HEI
2CD4	Ⲽ	COPTIC CAPITAL LETTER OLD COPTIC HAT
2CD5	ⲽ	COPTIC SMALL LETTER OLD COPTIC HAT
2CD6	Ⲿ	COPTIC CAPITAL LETTER OLD COPTIC GANGIA
2CD7	ⲿ	COPTIC SMALL LETTER OLD COPTIC GANGIA
2CD8	Ⲡ	COPTIC CAPITAL LETTER OLD COPTIC DJA
2CD9	ⲡ	COPTIC SMALL LETTER OLD COPTIC DJA
2CDA	Ⲣ	COPTIC CAPITAL LETTER OLD COPTIC SHIMA
2CDB	ⲣ	COPTIC SMALL LETTER OLD COPTIC SHIMA

Old Nubian letters

2CDC	Ⲛ	COPTIC CAPITAL LETTER OLD NUBIAN SHIMA
2CDD	ⲛ	COPTIC SMALL LETTER OLD NUBIAN SHIMA
2CDE	Ⲝ	COPTIC CAPITAL LETTER OLD NUBIAN NGI
2CDF	ⲝ	COPTIC SMALL LETTER OLD NUBIAN NGI
2CE0	Ⲗ	COPTIC CAPITAL LETTER OLD NUBIAN NYI
2CE1	ⲗ	COPTIC SMALL LETTER OLD NUBIAN NYI
2CE2	Ⲙ	COPTIC CAPITAL LETTER OLD NUBIAN WAU
2CE3	ⲙ	COPTIC SMALL LETTER OLD NUBIAN WAU

Symbols

2CE4	Ⲛ	COPTIC SYMBOL KAI → 03D7 Ⲛ greek kai symbol
2CE5	ⲛ	COPTIC SYMBOL MI RO
2CE6	Ⲝ	COPTIC SYMBOL PI RO
2CE7	ⲝ	COPTIC SYMBOL STAUROS
2CE8	Ⲟ	COPTIC SYMBOL TAU RO
2CE9	ⲟ	COPTIC SYMBOL KHI RO → 2627 ⲟ chi rho
2CEA	Ⲡ	COPTIC SYMBOL SHIMA SIMA

Cryptogrammic letters

2CEB	Ⲛ	COPTIC CAPITAL LETTER CRYPTOGRAMMIC SHEI
2CEC	ⲛ	COPTIC SMALL LETTER CRYPTOGRAMMIC SHEI

2CED 𐌸 COPTIC CAPITAL LETTER CRYPTOGRAMMIC
GANGIA

2CEE 𐌸 COPTIC SMALL LETTER CRYPTOGRAMMIC
GANGIA

Combining marks

2CEF ̅ COPTIC COMBINING NI ABOVE
 • this mark is used in final position and extends
 above the following character (usually a space)

2CF0 ̅ COPTIC COMBINING SPIRITUS ASPER
 → 0314 ̅ combining reversed comma above
 → 0485 ̅ combining cyrillic dasia pneumata

2CF1 ̅ COPTIC COMBINING SPIRITUS LENIS
 → 0313 ̅ combining comma above
 → 0486 ̅ combining cyrillic psili pneumata

Old Nubian punctuation

2CF9 𐌶 COPTIC OLD NUBIAN FULL STOP

2CFA 𐌷 COPTIC OLD NUBIAN DIRECT QUESTION MARK

2CFB 𐌸 COPTIC OLD NUBIAN INDIRECT QUESTION
MARK

2CFC 𐌹 COPTIC OLD NUBIAN VERSE DIVIDER

Numeric character

2CFD 𐌺 COPTIC FRACTION ONE HALF

Punctuation

2CFE 𐌻 COPTIC FULL STOP

















































































2CFF 𐌼 COPTIC MORPHOLOGICAL DIVIDER

	2D0	2D1	2D2
0	Ⴕ 2D00	ჟ 2D10	რ 2D20
1	ყ 2D01	ღ 2D11	ბ 2D21
2	ჭ 2D02	ვ 2D12	ძ 2D22
3	წ 2D03	ყ 2D13	ყ 2D23
4	ჩ 2D04	ჟ 2D14	ყ 2D24
5	რ 2D05	ჟ 2D15	ჟ 2D25
6	ზ 2D06	ნ 2D16	
7	თ 2D07	ყ 2D17	
8	რ 2D08	ყ 2D18	
9	კ 2D09	ბ 2D19	
A	რ 2D0A	ღ 2D1A	
B	წ 2D0B	ჟ 2D1B	
C	ჩ 2D0C	რ 2D1C	
D	ჟ 2D0D	ჭ 2D1D	
E	რ 2D0E	ღ 2D1E	
F	ყ 2D0F	წ 2D1F	

Small letters (Khutsuri)

This is the lowercase of the old ecclesiastical alphabet. See the Georgian block for uppercase Asomtavruli.

2D00	Ⴕ	GEORGIAN SMALL LETTER AN
2D01	ყ	GEORGIAN SMALL LETTER BAN
2D02	ჭ	GEORGIAN SMALL LETTER GAN
2D03	წ	GEORGIAN SMALL LETTER DON
2D04	ჩ	GEORGIAN SMALL LETTER EN
2D05	რ	GEORGIAN SMALL LETTER VIN
2D06	ზ	GEORGIAN SMALL LETTER ZEN
2D07	თ	GEORGIAN SMALL LETTER TAN
2D08	რ	GEORGIAN SMALL LETTER IN
2D09	კ	GEORGIAN SMALL LETTER KAN
2D0A	რ	GEORGIAN SMALL LETTER LAS
2D0B	წ	GEORGIAN SMALL LETTER MAN
2D0C	ჩ	GEORGIAN SMALL LETTER NAR
2D0D	ჟ	GEORGIAN SMALL LETTER ON
2D0E	რ	GEORGIAN SMALL LETTER PAR
2D0F	ყ	GEORGIAN SMALL LETTER ZHAR
2D10	ჟ	GEORGIAN SMALL LETTER RAE
2D11	ღ	GEORGIAN SMALL LETTER SAN
2D12	ვ	GEORGIAN SMALL LETTER TAR
2D13	ყ	GEORGIAN SMALL LETTER UN
2D14	ჟ	GEORGIAN SMALL LETTER PHAR
2D15	ჟ	GEORGIAN SMALL LETTER KHAR
2D16	ნ	GEORGIAN SMALL LETTER GHAN
2D17	ყ	GEORGIAN SMALL LETTER QAR
2D18	ყ	GEORGIAN SMALL LETTER SHIN
2D19	ბ	GEORGIAN SMALL LETTER CHIN
2D1A	ღ	GEORGIAN SMALL LETTER CAN
2D1B	ჟ	GEORGIAN SMALL LETTER JIL
2D1C	რ	GEORGIAN SMALL LETTER CIL
2D1D	ჭ	GEORGIAN SMALL LETTER CHAR
2D1E	ღ	GEORGIAN SMALL LETTER XAN
2D1F	წ	GEORGIAN SMALL LETTER JHAN
2D20	რ	GEORGIAN SMALL LETTER HAE
2D21	ბ	GEORGIAN SMALL LETTER HE
2D22	ძ	GEORGIAN SMALL LETTER HIE
2D23	ყ	GEORGIAN SMALL LETTER WE
2D24	ყ	GEORGIAN SMALL LETTER HAR
2D25	ჟ	GEORGIAN SMALL LETTER HOE

	2D3	2D4	2D5	2D6	2D7
0	 2D30	 2D40	 2D50	 2D60	 2D70
1	 2D31	 2D41	 2D51	 2D61	
2	 2D32	 2D42	 2D52	 2D62	
3	 2D33	 2D43	 2D53	 2D63	
4	 2D34	 2D44	 2D54	 2D64	
5	 2D35	 2D45	 2D55	 2D65	
6	 2D36	 2D46	 2D56		
7	 2D37	 2D47	 2D57		
8	 2D38	 2D48	 2D58		
9	 2D39	 2D49	 2D59		
A	 2D3A	 2D4A	 2D5A		
B	 2D3B	 2D4B	 2D5B		
C	 2D3C	 2D4C	 2D5C		
D	 2D3D	 2D4D	 2D5D		
E	 2D3E	 2D4E	 2D5E		
F	 2D3F	 2D4F	 2D5F	 2D6F	 2D7F

Letters

2D30	◦	TIFINAGH LETTER YA
2D31	⊖	TIFINAGH LETTER YAB
2D32	⊕	TIFINAGH LETTER YABH
2D33	⌘	TIFINAGH LETTER YAG
2D34	⌘	TIFINAGH LETTER YAGHH
2D35	⌘	TIFINAGH LETTER BERBER ACADEMY YAJ
2D36	⌈	TIFINAGH LETTER YAJ
2D37	∧	TIFINAGH LETTER YAD
2D38	∨	TIFINAGH LETTER YADH
2D39	Ⓔ	TIFINAGH LETTER YADD
2D3A	⊚	TIFINAGH LETTER YADDH
2D3B	⊙	TIFINAGH LETTER YEY
2D3C	⌈	TIFINAGH LETTER YAF
2D3D	⌈	TIFINAGH LETTER YAK
2D3E	⋮	TIFINAGH LETTER TUAREG YAK
2D3F	⌈	TIFINAGH LETTER YAKHH
2D40	⊖	TIFINAGH LETTER YAH = Tuareg yab
2D41	⊖	TIFINAGH LETTER BERBER ACADEMY YAH
2D42	⋮	TIFINAGH LETTER TUAREG YAH
2D43	∧	TIFINAGH LETTER YAHH
2D44	∧	TIFINAGH LETTER YAA
2D45	⌘	TIFINAGH LETTER YAKH
2D46	⋮	TIFINAGH LETTER TUAREG YAKH
2D47	⌈	TIFINAGH LETTER YAQ
2D48	⋮	TIFINAGH LETTER TUAREG YAQ
2D49	⌘	TIFINAGH LETTER YI
2D4A	∧	TIFINAGH LETTER YAZH
2D4B	⌘	TIFINAGH LETTER AHAGGAR YAZH
2D4C	⌘	TIFINAGH LETTER TUAREG YAZH
2D4D	⌈	TIFINAGH LETTER YAL
2D4E	⌈	TIFINAGH LETTER YAM
2D4F	∧	TIFINAGH LETTER YAN
2D50	⌘	TIFINAGH LETTER TUAREG YAGN
2D51	∧	TIFINAGH LETTER TUAREG YANG
2D52	⊙	TIFINAGH LETTER YAP
2D53	⊙	TIFINAGH LETTER YU = Tuareg yaw
2D54	⊖	TIFINAGH LETTER YAR
2D55	⊖	TIFINAGH LETTER YARR
2D56	∧	TIFINAGH LETTER YAGH
2D57	⋮	TIFINAGH LETTER TUAREG YAGH
2D58	⋮	TIFINAGH LETTER AYER YAGH = Adrar yaj
2D59	⊖	TIFINAGH LETTER YAS
2D5A	⊖	TIFINAGH LETTER YASS
2D5B	⊖	TIFINAGH LETTER YASH
2D5C	∧	TIFINAGH LETTER YAT
2D5D	⌘	TIFINAGH LETTER YATH
2D5E	⊖	TIFINAGH LETTER YACH
2D5F	Ⓔ	TIFINAGH LETTER YATT
2D60	∧	TIFINAGH LETTER YAV
2D61	⌈	TIFINAGH LETTER YAW
2D62	∧	TIFINAGH LETTER YAY
2D63	⌘	TIFINAGH LETTER YAZ
2D64	∧	TIFINAGH LETTER TAWELLEMET YAZ = harpoon yaz
2D65	⌘	TIFINAGH LETTER YAZZ

Modifier letter

2D6F	◌ ^u	TIFINAGH MODIFIER LETTER LABIALIZATION MARK = tamatart ≈ <super> 2D61 ⌈
------	----------------	---

Punctuation

2D70	⌈	TIFINAGH SEPARATOR MARK = tazarast
------	---	---------------------------------------

Sign

2D7F		TIFINAGH CONSONANT JOINER <ul style="list-style-type: none"> • suppresses an inherent vowel • functions to indicate that previous and following character are part of a bi-consonant cluster • shape shown is arbitrary and is not visibly rendered
------	--	--

	2D8	2D9	2DA	2DB	2DC	2DD
0	ሎ 2D80	ጮ 2D90	ሸ 2DA0	ዸ 2DB0	ቐ 2DC0	ኸ 2DD0
1	ዎ 2D81	ጵ 2D91	ሹ 2DA1	ዹ 2DB1	ቑ 2DC1	ኹ 2DD1
2	ደ 2D82	ጸ 2D92	ሺ 2DA2	ዺ 2DB2	ቑ 2DC2	ኺ 2DD2
3	ሰ 2D83	ኸ 2D93	ሻ 2DA3	ዻ 2DB3	ቑ 2DC3	ኻ 2DD3
4	ሸ 2D84	ኸ 2D94	ሼ 2DA4	ዼ 2DB4	ቑ 2DC4	ኼ 2DD4
5	ሰ 2D85	ኸ 2D95	ሻ 2DA5	ዻ 2DB5	ቑ 2DC5	ኸ 2DD5
6	ቶ 2D86	ኸ 2D96	ሸ 2DA6	ዸ 2DB6	ቐ 2DC6	ኸ 2DD6
7	ቶ 2D87					
8	ኆ 2D88		ቶ 2DA8	ጮ 2DB8	ዸ 2DC8	ኸ 2DD8
9	ኆ 2D89		ቶ 2DA9	ጮ 2DB9	ዸ 2DC9	ኸ 2DD9
A	ሐ 2D8A		ቶ 2DAA	ጮ 2DBA	ዸ 2DCA	ኸ 2DDA
B	ዘ 2D8B		ቶ 2DAB	ጮ 2DBB	ዸ 2DCB	ኸ 2ddb
C	ዶ 2D8C		ቶ 2DAC	ጮ 2DBC	ዸ 2DCC	ኸ 2DDC
D	ደ 2D8D		ቶ 2DAD	ጮ 2DBD	ዸ 2DCD	ኸ 2DDD
E	ደ 2D8E		ቶ 2DAE	ጮ 2DBE	ዸ 2DCE	ኸ 2DDE
F	ሎ 2D8F					

Syllables for Me'en

2D80	ሎ	ETHIOPIC SYLLABLE LOA
2D81	ሞ	ETHIOPIC SYLLABLE MOA
2D82	ሮ	ETHIOPIC SYLLABLE ROA
2D83	ሶ	ETHIOPIC SYLLABLE SOA
2D84	ሾ	ETHIOPIC SYLLABLE SHOA
2D85	ቦ	ETHIOPIC SYLLABLE BOA
2D86	ቶ	ETHIOPIC SYLLABLE TOA
2D87	ቾ	ETHIOPIC SYLLABLE COA
2D88	ኖ	ETHIOPIC SYLLABLE NOA
2D89	ኞ	ETHIOPIC SYLLABLE NYOA
2D8A	ኦ	ETHIOPIC SYLLABLE GLOTTAL OA
2D8B	ዞ	ETHIOPIC SYLLABLE ZOA
2D8C	ዶ	ETHIOPIC SYLLABLE DOA
2D8D	ደ	ETHIOPIC SYLLABLE DDOA
2D8E	ጆ	ETHIOPIC SYLLABLE JOA
2D8F	ጠ	ETHIOPIC SYLLABLE THOA
2D90	ጡ	ETHIOPIC SYLLABLE CHOA
2D91	ጢ	ETHIOPIC SYLLABLE PHOA
2D92	ጥ	ETHIOPIC SYLLABLE POA

Syllables for Blin

2D93	ኾ	ETHIOPIC SYLLABLE GGWA
2D94	ኼ	ETHIOPIC SYLLABLE GGWI
2D95	ኽ	ETHIOPIC SYLLABLE GGWEE
2D96	ኾ	ETHIOPIC SYLLABLE GGWE

Syllables for Sebatbeit



















































2DA0	ሸ	ETHIOPIC SYLLABLE SSA
2DA1	ሹ	ETHIOPIC SYLLABLE SSU
2DA2	ሺ	ETHIOPIC SYLLABLE SSI
2DA3	ሻ	ETHIOPIC SYLLABLE SSAA
2DA4	ሼ	ETHIOPIC SYLLABLE SSEE
2DA5	ሽ	ETHIOPIC SYLLABLE SSE
2DA6	ሾ	ETHIOPIC SYLLABLE SSO
2DA7	☐	<reserved>
2DA8	ቸ	ETHIOPIC SYLLABLE CCA
2DA9	ቹ	ETHIOPIC SYLLABLE CCU
2DAA	ቺ	ETHIOPIC SYLLABLE CCI
2DAB	ቻ	ETHIOPIC SYLLABLE CCAA
2DAC	ቼ	ETHIOPIC SYLLABLE CCEE
2DAD	ች	ETHIOPIC SYLLABLE CCE
2DAE	ቾ	ETHIOPIC SYLLABLE CCO
2DAF	☐	<reserved>
2DB0	ቸ	ETHIOPIC SYLLABLE ZZA
2DB1	ቹ	ETHIOPIC SYLLABLE ZZU
2DB2	ቺ	ETHIOPIC SYLLABLE ZZI
2DB3	ቻ	ETHIOPIC SYLLABLE ZZAA
2DB4	ቼ	ETHIOPIC SYLLABLE ZZEE
2DB5	ች	ETHIOPIC SYLLABLE ZZE
2DB6	ቾ	ETHIOPIC SYLLABLE ZZO
2DB7	☐	<reserved>
2DB8	ጸ	ETHIOPIC SYLLABLE CCHA
2DB9	ጹ	ETHIOPIC SYLLABLE CCHU
2DBA	ጺ	ETHIOPIC SYLLABLE CCHI
2DBB	ጻ	ETHIOPIC SYLLABLE CCHAA
2DBC	ጼ	ETHIOPIC SYLLABLE CCHEE
2DBD	ጽ	ETHIOPIC SYLLABLE CCHE
2DBE	ጾ	ETHIOPIC SYLLABLE CCHO
2DBF	☐	<reserved>
2DC0	ቸ	ETHIOPIC SYLLABLE QYA
2DC1	ቹ	ETHIOPIC SYLLABLE QYU

2DC2	ቺ	ETHIOPIC SYLLABLE QYI
2DC3	ቻ	ETHIOPIC SYLLABLE QYAA
2DC4	ቼ	ETHIOPIC SYLLABLE QYEE
2DC5	ች	ETHIOPIC SYLLABLE QYE
2DC6	ቾ	ETHIOPIC SYLLABLE QYO
2DC7	☐	<reserved>
2DC8	ሸ	ETHIOPIC SYLLABLE KYA
2DC9	ሹ	ETHIOPIC SYLLABLE KYU
2DCA	ሺ	ETHIOPIC SYLLABLE KYI
2DCB	ሻ	ETHIOPIC SYLLABLE KYAA
2DCC	ሼ	ETHIOPIC SYLLABLE KYEE
2DCD	ሽ	ETHIOPIC SYLLABLE KYE
2DCE	ሾ	ETHIOPIC SYLLABLE KYO
2DCF	☐	<reserved>
2DD0	ኸ	ETHIOPIC SYLLABLE XYA
2DD1	ኹ	ETHIOPIC SYLLABLE XYU
2DD2	ኺ	ETHIOPIC SYLLABLE XYI
2DD3	ኻ	ETHIOPIC SYLLABLE XYAA
2DD4	ኼ	ETHIOPIC SYLLABLE XYEE
2DD5	ኽ	ETHIOPIC SYLLABLE XYE
2DD6	ኾ	ETHIOPIC SYLLABLE XYO
2DD7	☐	<reserved>
2DD8	ኻ	ETHIOPIC SYLLABLE GYA
2DD9	ኼ	ETHIOPIC SYLLABLE GYU
2DDA	ኽ	ETHIOPIC SYLLABLE GYI
2ddb	ኾ	ETHIOPIC SYLLABLE GYAA
2DDC	ኻ	ETHIOPIC SYLLABLE GYEE
2DDD	ኼ	ETHIOPIC SYLLABLE GYE
2DDE	ኽ	ETHIOPIC SYLLABLE GYO

	2DE	2DF
0	Ѡ 2DE0	Ѳ 2DF0
1	Ѣ 2DE1	Ѵ 2DF1
2	Ѥ 2DE2	Ѷ 2DF2
3	Ѧ 2DE3	Ѹ 2DF3
4	Ѩ 2DE4	Ѻ 2DF4
5	Ѭ 2DE5	Ѽ 2DF5
6	Ѯ 2DE6	Ѿ 2DF6
7	Ѱ 2DE7	Ѽ 2DF7
8	Ѳ 2DE8	Ѽ 2DF8
9	Ѵ 2DE9	Ѽ 2DF9
A	Ѷ 2DEA	Ѽ 2DFA
B	Ѹ 2DEB	Ѽ 2DFB
C	Ѻ 2DEC	Ѽ 2DFC
D	Ѽ 2DED	Ѽ 2DFD
E	Ѽ 2DEE	Ѽ 2DFE
F	Ѽ 2DEF	Ѽ 2DFF

Old Church Slavonic combining letters

2DE0	Ѡ	COMBINING CYRILLIC LETTER BE
2DE1	Ѣ	COMBINING CYRILLIC LETTER VE
2DE2	Ѥ	COMBINING CYRILLIC LETTER GHE
2DE3	Ѧ	COMBINING CYRILLIC LETTER DE
2DE4	Ѩ	COMBINING CYRILLIC LETTER ZHE
2DE5	Ѭ	COMBINING CYRILLIC LETTER ZE
2DE6	Ѯ	COMBINING CYRILLIC LETTER KA
2DE7	Ѱ	COMBINING CYRILLIC LETTER EL
2DE8	Ѳ	COMBINING CYRILLIC LETTER EM → 1DDF Ѳ combining latin letter small capital m
2DE9	Ѵ	COMBINING CYRILLIC LETTER EN
2DEA	Ѷ	COMBINING CYRILLIC LETTER O → 0366 Ѷ combining latin small letter o
2DEB	Ѹ	COMBINING CYRILLIC LETTER PE
2DEC	Ѻ	COMBINING CYRILLIC LETTER ER
2DED	Ѽ	COMBINING CYRILLIC LETTER ES → 0368 Ѽ combining latin small letter c
2DEE	Ѽ	COMBINING CYRILLIC LETTER TE
2DEF	Ѽ	COMBINING CYRILLIC LETTER HA → 036F Ѽ combining latin small letter x
2DF0	Ѽ	COMBINING CYRILLIC LETTER TSE
2DF1	Ѽ	COMBINING CYRILLIC LETTER CHE
2DF2	Ѽ	COMBINING CYRILLIC LETTER SHA
2DF3	Ѽ	COMBINING CYRILLIC LETTER SHCHA
2DF4	Ѽ	COMBINING CYRILLIC LETTER FITA
2DF5	Ѽ	COMBINING CYRILLIC LETTER ES-TE
2DF6	Ѽ	COMBINING CYRILLIC LETTER A → 0363 Ѽ combining latin small letter a
2DF7	Ѽ	COMBINING CYRILLIC LETTER IE → 0364 Ѽ combining latin small letter e
2DF8	Ѽ	COMBINING CYRILLIC LETTER DJERV
2DF9	Ѽ	COMBINING CYRILLIC LETTER MONOGRAPH UK
2DFA	Ѽ	COMBINING CYRILLIC LETTER YAT
2DFB	Ѽ	COMBINING CYRILLIC LETTER YU
2DFC	Ѽ	COMBINING CYRILLIC LETTER IOTIFIED A
2DFD	Ѽ	COMBINING CYRILLIC LETTER LITTLE YUS
2DFE	Ѽ	COMBINING CYRILLIC LETTER BIG YUS
2DFF	Ѽ	COMBINING CYRILLIC LETTER IOTIFIED BIG YUS

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0	 2E00	 2E10	 2E20	 2E30				
1	 2E01	 2E11	 2E21	 2E31				
2	 2E02	 2E12	 2E22					
3	 2E03	 2E13	 2E23					
4	 2E04	 2E14	 2E24					
5	 2E05	 2E15	 2E25					
6	 2E06	 2E16	 2E26					
7	 2E07	 2E17	 2E27					
8	 2E08	 2E18	 2E28					
9	 2E09	 2E19	 2E29					
A	 2E0A	 2E1A	 2E2A					
B	 2E0B	 2E1B	 2E2B					
C	 2E0C	 2E1C	 2E2C					
D	 2E0D	 2E1D	 2E2D					
E	 2E0E	 2E1E	 2E2E					
F	 2E0F	 2E1F	 2E2F					

New Testament editorial symbols

- 2E00 ∟ RIGHT ANGLE SUBSTITUTION MARKER
→ 231C ∟ top left corner
- 2E01 ∟ RIGHT ANGLE DOTTED SUBSTITUTION MARKER
- 2E02 { LEFT SUBSTITUTION BRACKET
- 2E03 } RIGHT SUBSTITUTION BRACKET
- 2E04 { LEFT DOTTED SUBSTITUTION BRACKET
- 2E05 } RIGHT DOTTED SUBSTITUTION BRACKET
- 2E06 T RAISED INTERPOLATION MARKER
→ 22A4 T down tack
- 2E07 Ṫ RAISED DOTTED INTERPOLATION MARKER
- 2E08 Ṡ DOTTED TRANSPOSITION MARKER
- 2E09 Ṡ LEFT TRANSPOSITION BRACKET
- 2E0A Ṡ RIGHT TRANSPOSITION BRACKET
- 2E0B □ RAISED SQUARE
• used as an opening raised omission bracket
- 2E0C \ LEFT RAISED OMISSION BRACKET
• used as an opening or closing raised omission bracket
- 2E0D / RIGHT RAISED OMISSION BRACKET
• used as a closing or opening raised omission bracket

Ancient Greek textual symbols

- 2E0E Ɀ EDITORIAL CORONIS
→ 1FBD Ɀ greek koronis
- 2E0F — PARAGRAPHOS
- 2E10 — FORKED PARAGRAPHOS
- 2E11 — REVERSED FORKED PARAGRAPHOS
- 2E12 ∩ HYPODIASTOLE
= ypodiastoli
- 2E13 ∕ DOTTED OBELOS
• glyph variants may look like ‘∕’ or ‘∕’
→ 2052 ∕ commercial minus sign
- 2E14 √ DOWNWARDS ANCORA
• contrary to its formal name this symbol points upwards
- 2E15 ↗ UPWARDS ANCORA
• contrary to its formal name this symbol points downwards
- 2E16 ∠ DOTTED RIGHT-POINTING ANGLE
= diplo periestigmene

Ancient Near-Eastern linguistic symbol

- 2E17 ≍ DOUBLE OBLIQUE HYPHEN
• used in ancient Near-Eastern linguistics
• hyphen in Fraktur text uses 002D - or 2010 -, but with a ‘ſ’ glyph in Fraktur fonts
→ 002D - hyphen-minus
→ 003D = equals sign
→ 2010 - hyphen

General punctuation

- 2E18 ı INVERTED INTERROBANG
= gnaborretni
→ 203D ı interrobang
- 2E19 # PALM BRANCH
• used as a separator

Dictionary punctuation

These punctuation marks are used mostly in German dictionaries, to indicate umlaut or case changes with abbreviated stems.

- 2E1A ∘ HYPHEN WITH DIAERESIS
• indicates umlaut of the stem vowel of a plural form
- 2E1B ≈ TILDE WITH RING ABOVE
• indicates change in case for derived form

Brackets

- 2E1C \ LEFT LOW PARAPHRASE BRACKET
- 2E1D / RIGHT LOW PARAPHRASE BRACKET
• used in N’Ko

Dictionary punctuation

- 2E1E ∙ TILDE WITH DOT ABOVE
• indicates derived form changes to uppercase
- 2E1F ∙ TILDE WITH DOT BELOW
• indicates derived form changes to lowercase

Brackets

- 2E20 | LEFT VERTICAL BAR WITH QUILL
- 2E21 | RIGHT VERTICAL BAR WITH QUILL

Half brackets

These form a set of four corner brackets and are used editorially. They are distinguished from mathematical floor and ceiling characters. Occasionally quine corners are substituted for half brackets.

- 2E22 ∟ TOP LEFT HALF BRACKET
→ 2308 ∟ left ceiling
→ 231C ∟ top left corner
→ 300C ∟ left corner bracket
- 2E23 ∟ TOP RIGHT HALF BRACKET
- 2E24 ∟ BOTTOM LEFT HALF BRACKET
- 2E25 ∟ BOTTOM RIGHT HALF BRACKET

Brackets

- 2E26 ≡ LEFT SIDEWAYS U BRACKET
→ 2282 ≡ subset of
- 2E27 ≡ RIGHT SIDEWAYS U BRACKET
→ 2283 ≡ superset of
- 2E28 ((LEFT DOUBLE PARENTHESIS
→ 2985 (left white parenthesis
→ FF5F ((fullwidth left white parenthesis
- 2E29)) RIGHT DOUBLE PARENTHESIS

Historic punctuation

- 2E2A ∴ TWO DOTS OVER ONE DOT PUNCTUATION
- 2E2B ∴ ONE DOT OVER TWO DOTS PUNCTUATION
- 2E2C ∴ SQUARED FOUR DOT PUNCTUATION
- 2E2D ∴ FIVE DOT MARK
- 2E2E ¿ REVERSED QUESTION MARK
= punctus percontativus
→ 003F ¿ question mark
→ 00BF ¿ inverted question mark
→ 061F ¿ arabic question mark
- 2E2F ‘ VERTICAL TILDE
• used for Cyrillic yerik
→ 033E ‘ combining vertical tilde
→ A67F ‘ cyrillic payerok

- 2E30 ◦ RING POINT
 - used in Avestan
 - 2218 ◦ ring operator
 - 25E6 ◦ white bullet
- 2E31 · WORD SEPARATOR MIDDLE DOT
 - used in Avestan, Samaritan, ...
 - 00B7 · middle dot

	2E8	2E9	2EA	2EB	2EC	2ED	2EE	2EF
0	ㄩ 2E80	尢 2E90	民 2EA0	彡 2EB0	卅 2EC0	𠂇 2ED0	夂 2EE0	龙 2EF0
1	厂 2E81	允 2E91	彳 2EA1	囟 2EB1	虎 2EC1	長 2ED1	首 2EE1	龜 2EF1
2	冫 2E82	巳 2E92	水 2EA2	凵 2EB2	衤 2EC2	𠂇 2ED2	马 2EE2	龜 2EF2
3	乚 2E83	幺 2E93	灬 2EA3	宀 2EB3	𠂇 2EC3	长 2ED3	骨 2EE3	龟 2EF3
4	乚 2E84	亓 2E94	𠂇 2EA4	兀 2EB4	西 2EC4	门 2ED4	鬼 2EE4	
5	亻 2E85	ヨ 2E95	灬 2EA5	𠂇 2EB5	见 2EC5	自 2ED5	鱼 2EE5	
6	月 2E86	亅 2E96	斗 2EA6	𠂇 2EB6	角 2EC6	阝 2ED6	鸟 2EE6	
7	几 2E87	小 2E97	生 2EA7	𠂇 2EB7	角 2EC7	𠂇 2ED7	鹵 2EE7	
8	𠂇 2E88	扌 2E98	豸 2EA8	𠂇 2EB8	讠 2EC8	青 2ED8	麦 2EE8	
9	冫 2E89	女 2E99	王 2EA9	𠂇 2EB9	贝 2EC9	韦 2ED9	黄 2EE9	
A	卜 2E8A		正 2EAA	𠂇 2EBA	距 2ECA	页 2EDA	龟 2EEA	
B	巳 2E8B	无 2E9B	凵 2EAB	𠂇 2EBB	车 2ECB	风 2EDB	齐 2EEB	
C	𠂇 2E8C	冫 2E9C	示 2EAC	月 2EBC	辶 2ECC	飞 2EDC	齐 2EEC	
D	𠂇 2E8D	月 2E9D	衤 2EAD	白 2EBD	辶 2ECD	食 2EDD	齒 2EED	
E	兀 2E8E	步 2E9E	𠂇 2EAE	卅 2EBE	辶 2ECE	倉 2EDE	齿 2EEE	
F	允 2E8F	母 2E9F	糸 2EAF	卅 2EBF	阝 2ECF	食 2EDF	竜 2EEF	

CJK radicals supplement

2E80	𠄎	CJK RADICAL REPEAT	2E99	女	CJK RADICAL RAP
2E81	厂	CJK RADICAL CLIFF			• form used on right side
		→ 5382 𠄎			→ 6535 女
2E82	冫	CJK RADICAL SECOND ONE	2E9A	𠄎	<reserved>
		→ 4E5B 冫	2E9B	无	CJK RADICAL CHOKE
2E83	凵	CJK RADICAL SECOND TWO			→ 65E1 无
		→ 4E5A 凵	2E9C	日	CJK RADICAL SUN
2E84	𠄎	CJK RADICAL SECOND THREE			→ 65E5 日
		→ 4E59 乙	2E9D	月	CJK RADICAL MOON
2E85	亻	CJK RADICAL PERSON			→ 6708 月
		• form used on left side	2E9E	步	CJK RADICAL DEATH
		→ 4EBB 亻			→ 6B7A 步
2E86	匚	CJK RADICAL BOX	2E9F	母	CJK RADICAL MOTHER
		→ 5182 匚			≈ 6BCD 母
2E87	几	CJK RADICAL TABLE	2EA0	民	CJK RADICAL CIVILIAN
		→ 51E0 几			→ 6C11 民
2E88	𠄎	CJK RADICAL KNIFE ONE	2EA1	氵	CJK RADICAL WATER ONE
		• form used at top			• form used on left side
		→ 5200 刀			→ 6C35 氵
2E89	刂	CJK RADICAL KNIFE TWO	2EA2	水	CJK RADICAL WATER TWO
		• form used on right side			• form used (rarely) at bottom
		→ 5202 刂			→ 6C3A 水
2E8A	卜	CJK RADICAL DIVINATION	2EA3	灬	CJK RADICAL FIRE
		• form used at top			• form used at bottom
		→ 535C 卜			→ 706C 灬
2E8B	冂	CJK RADICAL SEAL	2EA4	𠄎	CJK RADICAL PAW ONE
		• form used at bottom			• form used at top
		→ 353E 冂			→ 722B 𠄎
2E8C	丩	CJK RADICAL SMALL ONE	2EA5	𠄎	CJK RADICAL PAW TWO
		• form used at top			• form used at top
		→ 5C0F 小			→ 722B 𠄎
2E8D	𠄎	CJK RADICAL SMALL TWO	2EA6	𠄎	CJK RADICAL SIMPLIFIED HALF TREE TRUNK
		• form used at top			→ 4E2C 𠄎
		→ 5C0F 小	2EA7	牪	CJK RADICAL COW
2E8E	兀	CJK RADICAL LAME ONE			→ 725B 牛
		→ 5C22 兀	2EA8	犛	CJK RADICAL DOG
2E8F	冂	CJK RADICAL LAME TWO			• form used on left side
		→ 5C23 冂			→ 72AD 犛
2E90	尢	CJK RADICAL LAME THREE	2EA9	王	CJK RADICAL JADE
		→ 5C22 尢			• form used on left side
2E91	尢	CJK RADICAL LAME FOUR			→ 738B 王
		→ 5C23 尢	2EAA	疋	CJK RADICAL BOLT OF CLOTH
2E92	巳	CJK RADICAL SNAKE			• form used on left side
		→ 5DF3 巳			→ 758B 疋
2E93	纟	CJK RADICAL THREAD	2EAB	目	CJK RADICAL EYE
		→ 5E7A 纟			• form used at top
2E94	彡	CJK RADICAL SNOUT ONE			→ 2EB2 𠄎 cjk radical net two
		→ 5F51 彡			→ 76EE 目
2E95	彡	CJK RADICAL SNOUT TWO	2EAC	示	CJK RADICAL SPIRIT ONE
		→ 5F50 彡			→ 793A 示
2E96	忄	CJK RADICAL HEART ONE	2EAD	示	CJK RADICAL SPIRIT TWO
		• form used on left side			→ 793B 示
		→ 5FC4 忄	2EAE	𠄎	CJK RADICAL BAMBOO
2E97	小	CJK RADICAL HEART TWO			→ 7AF9 竹
		• form used at bottom	2EAF	纟	CJK RADICAL SILK
		→ 5FC3 心			• form used on left side
2E98	扌	CJK RADICAL HAND			→ 7CF9 纟
		• form used on left side	2EB0	纟	CJK RADICAL C-SIMPLIFIED SILK
		→ 624C 扌			• form used on left side
					→ 7E9F 纟
			2EB1	𠄎	CJK RADICAL NET ONE
					→ 7F53 𠄎

2EB2	𠃉	CJK RADICAL NET TWO → 2EAB 𠃉 cjk radical eye → 7F52 𠃉	2ECE	辵	CJK RADICAL WALK TWO → 8FB6 辵
2EB3	𠃊	CJK RADICAL NET THREE → 7F51 网	2ECF	阝	CJK RADICAL CITY • form used on right side → 9091 邑
2EB4	𠃋	CJK RADICAL NET FOUR → 7F51 网	2ED0	𠃌	CJK RADICAL C-SIMPLIFIED GOLD → 9485 𠃌
2EB5	𠃍	CJK RADICAL MESH → 2626B 𠃍	2ED1	長	CJK RADICAL LONG ONE → 9577 長
2EB6	𠃎	CJK RADICAL SHEEP • form used on left side → 7F8A 羊	2ED2	𠃏	CJK RADICAL LONG TWO • form used on left side → 9578 𠃏
2EB7	𠃐	CJK RADICAL RAM • form used at top → 7F8A 羊	2ED3	长	CJK RADICAL C-SIMPLIFIED LONG → 957F 长
2EB8	𠃑	CJK RADICAL EWE → 7F8B 𠃑	2ED4	门	CJK RADICAL C-SIMPLIFIED GATE → 95E8 门
2EB9	𠃒	CJK RADICAL OLD → 8002 𠃒	2ED5	冪	CJK RADICAL MOUND ONE → 961C 阜 → 28E0F 冪
2EBA	𠃓	CJK RADICAL BRUSH ONE → 8080 𠃓	2ED6	冪	CJK RADICAL MOUND TWO • form used on left side → 961D 冪
2EBB	𠃔	CJK RADICAL BRUSH TWO → 807F 𠃔	2ED7	雨	CJK RADICAL RAIN → 96E8 雨
2EBC	月	CJK RADICAL MEAT → 8089 肉	2ED8	青	CJK RADICAL BLUE → 9752 青
2EBD	臼	CJK RADICAL MORTAR → 81FC 臼	2ED9	韦	CJK RADICAL C-SIMPLIFIED TANNED LEATHER → 97E6 韦
2EBE	艹	CJK RADICAL GRASS ONE → 8279 艹	2EDA	页	CJK RADICAL C-SIMPLIFIED LEAF → 9875 页
2EBF	艹	CJK RADICAL GRASS TWO → 8279 艹	2EDB	风	CJK RADICAL C-SIMPLIFIED WIND → 98CE 风
2EC0	艹	CJK RADICAL GRASS THREE → 8279 艹	2EDC	飞	CJK RADICAL C-SIMPLIFIED FLY → 98DE 飞
2EC1	虎	CJK RADICAL TIGER → 864E 虎	2EDD	食	CJK RADICAL EAT ONE • form used at bottom → 98DF 食
2EC2	衤	CJK RADICAL CLOTHES • form used on left side → 8864 衤	2EDE	食	CJK RADICAL EAT TWO • form used on left side → 2967F 食
2EC3	西	CJK RADICAL WEST ONE • form used at top → 8980 西	2EDF	食	CJK RADICAL EAT THREE • form used on left side → 98E0 食
2EC4	西	CJK RADICAL WEST TWO • form used on left side → 897F 西	2EE0	饣	CJK RADICAL C-SIMPLIFIED EAT • form used on left side → 9963 饣
2EC5	见	CJK RADICAL C-SIMPLIFIED SEE → 89C1 见	2EE1	管	CJK RADICAL HEAD → 29810 管
2EC6	角	CJK RADICAL SIMPLIFIED HORN → 89D2 角	2EE2	马	CJK RADICAL C-SIMPLIFIED HORSE → 9A6C 马
2EC7	角	CJK RADICAL HORN → 278B2 角	2EE3	骨	CJK RADICAL BONE → 9AA8 骨
2EC8	讠	CJK RADICAL C-SIMPLIFIED SPEECH → 8BA0 讠	2EE4	鬼	CJK RADICAL GHOST → 9B3C 鬼
2EC9	贝	CJK RADICAL C-SIMPLIFIED SHELL → 8D1D 贝	2EE5	鱼	CJK RADICAL C-SIMPLIFIED FISH → 9C7C 鱼
2ECA	足	CJK RADICAL FOOT • form used on left side → 8DB3 足	2EE6	鸟	CJK RADICAL C-SIMPLIFIED BIRD → 9E1F 鸟
2ECB	车	CJK RADICAL C-SIMPLIFIED CART → 8F66 车	2EE7	鹵	CJK RADICAL C-SIMPLIFIED SALT → 9E75 鹵
2ECC	辵	CJK RADICAL SIMPLIFIED WALK → 8FB6 辵	2EE8	麦	CJK RADICAL SIMPLIFIED WHEAT → 9EA6 麦
2ECD	辵	CJK RADICAL WALK ONE → 8FB6 辵			

2EE9	黄	CJK RADICAL SIMPLIFIED YELLOW → 9EC4 黄
2EEA	黽	CJK RADICAL C-SIMPLIFIED FROG → 9EFE 黽
2EEB	齐	CJK RADICAL J-SIMPLIFIED EVEN → 6589 齐
2EEC	齐	CJK RADICAL C-SIMPLIFIED EVEN → 9F50 齐
2EED	齒	CJK RADICAL J-SIMPLIFIED TOOTH → 6B6F 齒
2EEE	齿	CJK RADICAL C-SIMPLIFIED TOOTH → 9F7F 齿
2EEF	龍	CJK RADICAL J-SIMPLIFIED DRAGON → 9F8D 龍
2EF0	龙	CJK RADICAL C-SIMPLIFIED DRAGON → 9F99 龙
2EF1	龜	CJK RADICAL TURTLE → 9F9C 龜
2EF2	龜	CJK RADICAL J-SIMPLIFIED TURTLE → 4E80 龜
2EF3	龟	CJK RADICAL C-SIMPLIFIED TURTLE ≈ 9F9F 龟

	2F0	2F1	2F2	2F3	2F4	2F5	2F6	2F7	2F8	2F9	2FA	2FB	2FC	2FD
0	一 2F00	凵 2F10	士 2F20	己 2F30	支 2F40	比 2F50	瓜 2F60	示 2F70	聿 2F80	衣 2F90	辰 2FA0	革 2FB0	鬲 2FC0	鼻 2FD0
1	丨 2F01	刀 2F11	夕 2F21	巾 2F31	支 2F41	毛 2F51	瓦 2F61	肉 2F71	肉 2F81	冫 2F91	辵 2FA1	韋 2FB1	鬼 2FC1	齊 2FD1
2	丶 2F02	力 2F12	夕 2F22	干 2F32	文 2F42	氏 2F52	甘 2F62	禾 2F72	臣 2F82	見 2F92	邑 2FA2	韭 2FB2	魚 2FC2	齒 2FD2
3	丿 2F03	勹 2F13	夕 2F23	幺 2F33	斗 2F43	气 2F53	生 2F63	穴 2F73	自 2F83	角 2F93	酉 2FA3	音 2FB3	鳥 2FC3	龍 2FD3
4	乙 2F04	匕 2F14	大 2F24	广 2F34	斤 2F44	水 2F54	用 2F64	立 2F74	至 2F84	言 2F94	采 2FA4	頁 2FB4	鹵 2FC4	龜 2FD4
5	丿 2F05	匚 2F15	女 2F25	爻 2F35	方 2F45	火 2F55	田 2F65	竹 2F75	白 2F85	谷 2F95	里 2FA5	風 2FB5	鹿 2FC5	龠 2FD5
6	二 2F06	匚 2F16	子 2F26	廾 2F36	无 2F46	爪 2F56	疋 2F66	米 2F76	舌 2F86	豆 2F96	金 2FA6	飛 2FB6	麥 2FC6	
7	一 2F07	十 2F17	宀 2F27	弋 2F37	日 2F47	父 2F57	疒 2F67	糸 2F77	舛 2F87	豕 2F97	長 2FA7	食 2FB7	麻 2FC7	
8	人 2F08	卜 2F18	寸 2F28	弓 2F38	日 2F48	爻 2F58	廾 2F68	缶 2F78	舟 2F88	豸 2F98	門 2FA8	首 2FB8	黃 2FC8	
9	儿 2F09	卩 2F19	小 2F29	彡 2F39	月 2F49	冫 2F59	白 2F69	网 2F79	艮 2F89	貝 2F99	阜 2FA9	香 2FB9	黍 2FC9	
A	入 2F0A	厂 2F1A	尢 2F2A	彡 2F3A	木 2F4A	片 2F5A	皮 2F6A	羊 2F7A	色 2F8A	赤 2F9A	隶 2FAA	馬 2FBA	黑 2FCA	
B	八 2F0B	厶 2F1B	尸 2F2B	彳 2F3B	欠 2F4B	牙 2F5B	皿 2F6B	羽 2F7B	艸 2F8B	走 2F9B	隹 2FAB	骨 2FBB	鬻 2FCB	
C	冂 2F0C	又 2F1C	中 2F2C	心 2F3C	止 2F4C	牛 2F5C	目 2F6C	老 2F7C	虍 2F8C	足 2F9C	雨 2FAC	高 2FBC	黽 2FCC	
D	一 2F0D	口 2F1D	山 2F2D	戈 2F3D	歹 2F4D	犬 2F5D	矛 2F6D	而 2F7D	虫 2F8D	身 2F9D	青 2FAD	髟 2FBD	鼎 2FCD	
E	冫 2F0E	口 2F1E	彡 2F2E	戶 2F3E	殳 2F4E	玄 2F5E	矢 2F6E	耒 2F7E	血 2F8E	車 2F9E	非 2FAE	鬥 2FBE	鼓 2FCE	
F	几 2F0F	土 2F1F	工 2F2F	手 2F3F	母 2F4F	玉 2F5F	石 2F6F	耳 2F7F	行 2F8F	辛 2F9F	面 2FAF	鬯 2FBF	鼠 2FCF	

















Kangxi radicals

2F00	一	KANGXI RADICAL ONE ≈ 4E00 一	2F1E	口	KANGXI RADICAL ENCLOSURE ≈ 56D7 口
2F01	|	KANGXI RADICAL LINE ≈ 4E28 |	2F1F	土	KANGXI RADICAL EARTH ≈ 571F 土
2F02	丶	KANGXI RADICAL DOT ≈ 4E36 丶	2F20	士	KANGXI RADICAL SCHOLAR ≈ 58EB 士
2F03	丿	KANGXI RADICAL SLASH ≈ 4E3F 丿	2F21	攴	KANGXI RADICAL GO ≈ 5902 攴
2F04	乙	KANGXI RADICAL SECOND ≈ 4E59 乙	2F22	攴	KANGXI RADICAL GO SLOWLY ≈ 590A 攴
2F05	丨	KANGXI RADICAL HOOK ≈ 4E85 丨	2F23	夕	KANGXI RADICAL EVENING ≈ 5915 夕
2F06	二	KANGXI RADICAL TWO ≈ 4E8C 二	2F24	大	KANGXI RADICAL BIG ≈ 5927 大
2F07	宀	KANGXI RADICAL LID ≈ 4EA0 宀	2F25	女	KANGXI RADICAL WOMAN ≈ 5973 女
2F08	人	KANGXI RADICAL MAN ≈ 4EBA 人	2F26	子	KANGXI RADICAL CHILD ≈ 5B50 子
2F09	儿	KANGXI RADICAL LEGS ≈ 513F 儿	2F27	宀	KANGXI RADICAL ROOF ≈ 5B80 宀
2F0A	入	KANGXI RADICAL ENTER ≈ 5165 入	2F28	寸	KANGXI RADICAL INCH ≈ 5BF8 寸
2F0B	八	KANGXI RADICAL EIGHT ≈ 516B 八	2F29	小	KANGXI RADICAL SMALL ≈ 5C0F 小
2F0C	冂	KANGXI RADICAL DOWN BOX ≈ 5182 冂	2F2A	尢	KANGXI RADICAL LAME ≈ 5C22 尢
2F0D	宀	KANGXI RADICAL COVER ≈ 5196 宀	2F2B	尸	KANGXI RADICAL CORPSE ≈ 5C38 尸
2F0E	冫	KANGXI RADICAL ICE ≈ 51AB 冫	2F2C	屮	KANGXI RADICAL SPROUT ≈ 5C6E 屮
2F0F	几	KANGXI RADICAL TABLE ≈ 51E0 几	2F2D	山	KANGXI RADICAL MOUNTAIN ≈ 5C71 山
2F10	凵	KANGXI RADICAL OPEN BOX ≈ 51F5 凵	2F2E	川	KANGXI RADICAL RIVER ≈ 5DDB 川
2F11	刀	KANGXI RADICAL KNIFE ≈ 5200 刀	2F2F	工	KANGXI RADICAL WORK ≈ 5DE5 工
2F12	力	KANGXI RADICAL POWER ≈ 529B 力	2F30	己	KANGXI RADICAL ONESELF ≈ 5DF1 己
2F13	勹	KANGXI RADICAL WRAP ≈ 52F9 勹	2F31	巾	KANGXI RADICAL TURBAN ≈ 5DFE 巾
2F14	匕	KANGXI RADICAL SPOON ≈ 5315 匕	2F32	干	KANGXI RADICAL DRY ≈ 5E72 干
2F15	匚	KANGXI RADICAL RIGHT OPEN BOX ≈ 531A 匚	2F33	纟	KANGXI RADICAL SHORT THREAD ≈ 5E7A 纟
2F16	匚	KANGXI RADICAL HIDING ENCLOSURE ≈ 5338 匚	2F34	宀	KANGXI RADICAL DOTTED CLIFF ≈ 5E7F 宀
2F17	十	KANGXI RADICAL TEN ≈ 5341 十	2F35	彳	KANGXI RADICAL LONG STRIDE ≈ 5EF4 彳
2F18	卜	KANGXI RADICAL DIVINATION ≈ 535C 卜	2F36	井	KANGXI RADICAL TWO HANDS ≈ 5EFE 井
2F19	冂	KANGXI RADICAL SEAL ≈ 5369 冂	2F37	弋	KANGXI RADICAL SHOOT ≈ 5F0B 弋
2F1A	厂	KANGXI RADICAL CLIFF ≈ 5382 厂	2F38	弓	KANGXI RADICAL BOW ≈ 5F13 弓
2F1B	厶	KANGXI RADICAL PRIVATE ≈ 53B6 厶	2F39	彡	KANGXI RADICAL SNOUT ≈ 5F50 彡
2F1C	又	KANGXI RADICAL AGAIN ≈ 53C8 又	2F3A	彡	KANGXI RADICAL BRISTLE ≈ 5F61 彡
2F1D	口	KANGXI RADICAL MOUTH ≈ 53E3 口	2F3B	彳	KANGXI RADICAL STEP ≈ 5F73 彳
			2F3C	心	KANGXI RADICAL HEART ≈ 5FC3 心

2F3D	戈	KANGXI RADICAL HALBERD ≈ 6208 戈	2F5C	牛	KANGXI RADICAL COW ≈ 725B 牛
2F3E	户	KANGXI RADICAL DOOR ≈ 6236 户	2F5D	犬	KANGXI RADICAL DOG ≈ 72AC 犬
2F3F	手	KANGXI RADICAL HAND ≈ 624B 手	2F5E	玄	KANGXI RADICAL PROFOUND ≈ 7384 玄
2F40	支	KANGXI RADICAL BRANCH ≈ 652F 支	2F5F	玉	KANGXI RADICAL JADE ≈ 7389 玉
2F41	支	KANGXI RADICAL RAP ≈ 6534 支	2F60	瓜	KANGXI RADICAL MELON ≈ 74DC 瓜
2F42	文	KANGXI RADICAL SCRIPT ≈ 6587 文	2F61	瓦	KANGXI RADICAL TILE ≈ 74E6 瓦
2F43	斗	KANGXI RADICAL DIPPER ≈ 6597 斗	2F62	甘	KANGXI RADICAL SWEET ≈ 7518 甘
2F44	斤	KANGXI RADICAL AXE ≈ 65A4 斤	2F63	生	KANGXI RADICAL LIFE ≈ 751F 生
2F45	方	KANGXI RADICAL SQUARE ≈ 65B9 方	2F64	用	KANGXI RADICAL USE ≈ 7528 用
2F46	无	KANGXI RADICAL NOT ≈ 65E0 无	2F65	田	KANGXI RADICAL FIELD ≈ 7530 田
2F47	日	KANGXI RADICAL SUN ≈ 65E5 日	2F66	疋	KANGXI RADICAL BOLT OF CLOTH ≈ 758B 疋
2F48	曰	KANGXI RADICAL SAY ≈ 66F0 曰	2F67	疒	KANGXI RADICAL SICKNESS ≈ 7592 疒
2F49	月	KANGXI RADICAL MOON ≈ 6708 月	2F68	夂	KANGXI RADICAL DOTTED TENT ≈ 7676 夂
2F4A	木	KANGXI RADICAL TREE ≈ 6728 木	2F69	白	KANGXI RADICAL WHITE ≈ 767D 白
2F4B	欠	KANGXI RADICAL LACK ≈ 6B20 欠	2F6A	皮	KANGXI RADICAL SKIN ≈ 76AE 皮
2F4C	止	KANGXI RADICAL STOP ≈ 6B62 止	2F6B	皿	KANGXI RADICAL DISH ≈ 76BF 皿
2F4D	歹	KANGXI RADICAL DEATH ≈ 6B79 歹	2F6C	目	KANGXI RADICAL EYE ≈ 76EE 目
2F4E	殳	KANGXI RADICAL WEAPON ≈ 6BB3 殳	2F6D	矛	KANGXI RADICAL SPEAR ≈ 77DB 矛
2F4F	毋	KANGXI RADICAL DO NOT ≈ 6BCB 毋	2F6E	矢	KANGXI RADICAL ARROW ≈ 77E2 矢
2F50	比	KANGXI RADICAL COMPARE ≈ 6BD4 比	2F6F	石	KANGXI RADICAL STONE ≈ 77F3 石
2F51	毛	KANGXI RADICAL FUR ≈ 6BDB 毛	2F70	示	KANGXI RADICAL SPIRIT ≈ 793A 示
2F52	氏	KANGXI RADICAL CLAN ≈ 6C0F 氏	2F71	肉	KANGXI RADICAL TRACK ≈ 79B8 肉
2F53	气	KANGXI RADICAL STEAM ≈ 6C14 气	2F72	禾	KANGXI RADICAL GRAIN ≈ 79BE 禾
2F54	水	KANGXI RADICAL WATER ≈ 6C34 水	2F73	穴	KANGXI RADICAL CAVE ≈ 7A74 穴
2F55	火	KANGXI RADICAL FIRE ≈ 706B 火	2F74	立	KANGXI RADICAL STAND ≈ 7ACB 立
2F56	爪	KANGXI RADICAL CLAW ≈ 722A 爪	2F75	竹	KANGXI RADICAL BAMBOO ≈ 7AF9 竹
2F57	父	KANGXI RADICAL FATHER ≈ 7236 父	2F76	米	KANGXI RADICAL RICE ≈ 7C73 米
2F58	爻	KANGXI RADICAL DOUBLE X ≈ 723B 爻	2F77	糸	KANGXI RADICAL SILK ≈ 7CF8 糸
2F59	丌	KANGXI RADICAL HALF TREE TRUNK ≈ 723F 丌	2F78	缶	KANGXI RADICAL JAR ≈ 7F36 缶
2F5A	片	KANGXI RADICAL SLICE ≈ 7247 片	2F79	网	KANGXI RADICAL NET ≈ 7F51 网
2F5B	牙	KANGXI RADICAL FANG ≈ 7259 牙	2F7A	羊	KANGXI RADICAL SHEEP ≈ 7F8A 羊













2F7B	羽	KANGXI RADICAL FEATHER ≈ 7FBD 羽	2F9A	赤	KANGXI RADICAL RED ≈ 8D64 赤
2F7C	老	KANGXI RADICAL OLD ≈ 8001 老	2F9B	走	KANGXI RADICAL RUN ≈ 8D70 走
2F7D	而	KANGXI RADICAL AND ≈ 800C 而	2F9C	足	KANGXI RADICAL FOOT ≈ 8DB3 足
2F7E	耒	KANGXI RADICAL PLOW ≈ 8012 耒	2F9D	身	KANGXI RADICAL BODY ≈ 8EAB 身
2F7F	耳	KANGXI RADICAL EAR ≈ 8033 耳	2F9E	車	KANGXI RADICAL CART ≈ 8ECA 車
2F80	聿	KANGXI RADICAL BRUSH ≈ 807F 聿	2F9F	辛	KANGXI RADICAL BITTER ≈ 8F9B 辛
2F81	肉	KANGXI RADICAL MEAT ≈ 8089 肉	2FA0	辰	KANGXI RADICAL MORNING ≈ 8FB0 辰
2F82	臣	KANGXI RADICAL MINISTER ≈ 81E3 臣	2FA1	辵	KANGXI RADICAL WALK ≈ 8FB5 辵
2F83	自	KANGXI RADICAL SELF ≈ 81EA 自	2FA2	邑	KANGXI RADICAL CITY ≈ 9091 邑
2F84	至	KANGXI RADICAL ARRIVE ≈ 81F3 至	2FA3	酉	KANGXI RADICAL WINE ≈ 9149 酉
2F85	臼	KANGXI RADICAL MORTAR ≈ 81FC 臼	2FA4	采	KANGXI RADICAL DISTINGUISH ≈ 91C6 采
2F86	舌	KANGXI RADICAL TONGUE ≈ 820C 舌	2FA5	里	KANGXI RADICAL VILLAGE ≈ 91CC 里
2F87	舛	KANGXI RADICAL OPPOSE ≈ 821B 舛	2FA6	金	KANGXI RADICAL GOLD ≈ 91D1 金
2F88	舟	KANGXI RADICAL BOAT ≈ 821F 舟	2FA7	長	KANGXI RADICAL LONG ≈ 9577 長
2F89	艮	KANGXI RADICAL STOPPING ≈ 826E 艮	2FA8	門	KANGXI RADICAL GATE ≈ 9580 門
2F8A	色	KANGXI RADICAL COLOR ≈ 8272 色	2FA9	阜	KANGXI RADICAL MOUND ≈ 961C 阜
2F8B	艸	KANGXI RADICAL GRASS ≈ 8278 艸	2FAA	隸	KANGXI RADICAL SLAVE ≈ 96B6 隸
2F8C	虍	KANGXI RADICAL TIGER ≈ 864D 虍	2FAB	隹	KANGXI RADICAL SHORT TAILED BIRD ≈ 96B9 隹
2F8D	虫	KANGXI RADICAL INSECT ≈ 866B 虫	2FAC	雨	KANGXI RADICAL RAIN ≈ 96E8 雨
2F8E	血	KANGXI RADICAL BLOOD ≈ 8840 血	2FAD	青	KANGXI RADICAL BLUE ≈ 9751 青
2F8F	行	KANGXI RADICAL WALK ENCLOSURE ≈ 884C 行	2FAE	非	KANGXI RADICAL WRONG ≈ 975E 非
2F90	衣	KANGXI RADICAL CLOTHES ≈ 8863 衣	2FAF	面	KANGXI RADICAL FACE ≈ 9762 面
2F91	冫	KANGXI RADICAL WEST ≈ 897E 冫	2FB0	革	KANGXI RADICAL LEATHER ≈ 9769 革
2F92	見	KANGXI RADICAL SEE ≈ 898B 見	2FB1	韋	KANGXI RADICAL TANNED LEATHER ≈ 97CB 韋
2F93	角	KANGXI RADICAL HORN ≈ 89D2 角	2FB2	韭	KANGXI RADICAL LEEK ≈ 97ED 韭
2F94	言	KANGXI RADICAL SPEECH ≈ 8A00 言	2FB3	音	KANGXI RADICAL SOUND ≈ 97F3 音
2F95	谷	KANGXI RADICAL VALLEY ≈ 8C37 谷	2FB4	頁	KANGXI RADICAL LEAF ≈ 9801 頁
2F96	豆	KANGXI RADICAL BEAN ≈ 8C46 豆	2FB5	風	KANGXI RADICAL WIND ≈ 98A8 風
2F97	豕	KANGXI RADICAL PIG ≈ 8C55 豕	2FB6	飛	KANGXI RADICAL FLY ≈ 98DB 飛
2F98	豸	KANGXI RADICAL BADGER ≈ 8C78 豸	2FB7	食	KANGXI RADICAL EAT ≈ 98DF 食
2F99	貝	KANGXI RADICAL SHELL ≈ 8C9D 貝	2FB8	首	KANGXI RADICAL HEAD ≈ 9996 首

































































2FB9	香	KANGXI RADICAL FRAGRANT ≈ 9999 香
2FBA	馬	KANGXI RADICAL HORSE ≈ 99AC 馬
2FBB	骨	KANGXI RADICAL BONE ≈ 9AA8 骨
2FBC	高	KANGXI RADICAL TALL ≈ 9AD8 高
2FBD	髟	KANGXI RADICAL HAIR ≈ 9ADF 髟
2FBE	鬥	KANGXI RADICAL FIGHT ≈ 9B25 鬥
2FBF	鬯	KANGXI RADICAL SACRIFICIAL WINE ≈ 9B2F 鬯
2FC0	鬲	KANGXI RADICAL CAULDRON ≈ 9B32 鬲
2FC1	鬼	KANGXI RADICAL GHOST ≈ 9B3C 鬼
2FC2	魚	KANGXI RADICAL FISH ≈ 9B5A 魚
2FC3	鳥	KANGXI RADICAL BIRD ≈ 9CE5 鳥
2FC4	鹵	KANGXI RADICAL SALT ≈ 9E75 鹵
2FC5	鹿	KANGXI RADICAL DEER ≈ 9E7F 鹿
2FC6	麥	KANGXI RADICAL WHEAT ≈ 9EA5 麥
2FC7	麻	KANGXI RADICAL HEMP ≈ 9EBB 麻
2FC8	黃	KANGXI RADICAL YELLOW ≈ 9EC3 黃
2FC9	黍	KANGXI RADICAL MILLET ≈ 9ECD 黍
2FCA	黑	KANGXI RADICAL BLACK ≈ 9ED1 黑
2FCB	黻	KANGXI RADICAL EMBROIDERY ≈ 9EF9 黻
2FCC	黽	KANGXI RADICAL FROG ≈ 9EFD 黽
2FCD	鼎	KANGXI RADICAL TRIPOD ≈ 9F0E 鼎
2FCE	鼓	KANGXI RADICAL DRUM ≈ 9F13 鼓
2FCF	鼠	KANGXI RADICAL RAT ≈ 9F20 鼠
2FD0	鼻	KANGXI RADICAL NOSE ≈ 9F3B 鼻
2FD1	齊	KANGXI RADICAL EVEN ≈ 9F4A 齊
2FD2	齒	KANGXI RADICAL TOOTH ≈ 9F52 齒
2FD3	龍	KANGXI RADICAL DRAGON ≈ 9F8D 龍
2FD4	龜	KANGXI RADICAL TURTLE ≈ 9F9C 龜
2FD5	龠	KANGXI RADICAL FLUTE ≈ 9FA0 龠

2FF	
0	 2FF0
1	 2FF1
2	 2FF2
3	 2FF3
4	 2FF4
5	 2FF5
6	 2FF6
7	 2FF7
8	 2FF8
9	 2FF9
A	 2FFA
B	 2FFB
C	
D	
E	
F	

















Ideographic description characters

These are visibly displayed graphic characters, not invisible composition controls.

















- 2FF0  IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT
- 2FF1  IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO BELOW
- 2FF2  IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO MIDDLE AND RIGHT
- 2FF3  IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO MIDDLE AND BELOW
- 2FF4  IDEOGRAPHIC DESCRIPTION CHARACTER FULL SURROUND
- 2FF5  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM ABOVE
- 2FF6  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM BELOW
- 2FF7  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM LEFT
- 2FF8  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM UPPER LEFT
- 2FF9  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM UPPER RIGHT
- 2FFA  IDEOGRAPHIC DESCRIPTION CHARACTER SURROUND FROM LOWER LEFT
- 2FFB  IDEOGRAPHIC DESCRIPTION CHARACTER OVERLAID

	300	301	302	303
0	 3000	 3010	 3020	 3030
1	 3001	 3011	 3021	 3031
2	 3002	 3012	 3022	 3032
3	 3003	 3013	 3023	 3033
4	 3004	 3014	 3024	 3034
5	 3005	 3015	 3025	 3035
6	 3006	 3016	 3026	 3036
7	 3007	 3017	 3027	 3037
8	 3008	 3018	 3028	 3038
9	 3009	 3019	 3029	 3039
A	 300A	 301A	 302A	 303A
B	 300B	 301B	 302B	 303B
C	 300C	 301C	 302C	 303C
D	 300D	 301D	 302D	 303D
E	 300E	 301E	 302E	 303E
F	 300F	 301F	 302F	 303F

CJK symbols and punctuation







- 3000  IDEOGRAPHIC SPACE
→ 0020  space
≈ <wide> 0020 
- 3001  IDEOGRAPHIC COMMA
→ 002C  comma
- 3002  IDEOGRAPHIC FULL STOP
→ 002E  full stop
- 3003  DITTO MARK
→ 2033  double prime
- 3004  JAPANESE INDUSTRIAL STANDARD SYMBOL
- 3005  IDEOGRAPHIC ITERATION MARK
- 3006  IDEOGRAPHIC CLOSING MARK
- 3007  IDEOGRAPHIC NUMBER ZERO
→ 20DD  combining enclosing circle
→ 25CB  white circle
→ 25EF  large circle

CJK angle brackets



- 3008  LEFT ANGLE BRACKET
→ 003C  less-than sign
→ 2039  single left-pointing angle quotation mark
→ 2329  left-pointing angle bracket
→ 27E8  mathematical left angle bracket
- 3009  RIGHT ANGLE BRACKET
→ 003E  greater-than sign
→ 203A  single right-pointing angle quotation mark
→ 232A  right-pointing angle bracket
→ 27E9  mathematical right angle bracket
- 300A  LEFT DOUBLE ANGLE BRACKET
→ 00AB  left-pointing double angle quotation mark
→ 27EA  mathematical left double angle bracket
- 300B  RIGHT DOUBLE ANGLE BRACKET
→ 00BB  right-pointing double angle quotation mark
→ 27EB  mathematical right double angle bracket

CJK corner brackets

The CJK corner brackets, which function as quotation marks, are not recommended for general-purpose corner brackets. See the ceiling and floor characters, instead.



- 300C  LEFT CORNER BRACKET
→ 2308  left ceiling
- 300D  RIGHT CORNER BRACKET
• used as quotation marks
→ 230B  right floor
- 300E  LEFT WHITE CORNER BRACKET
- 300F  RIGHT WHITE CORNER BRACKET
• used as quotation marks

CJK brackets













- 3010  LEFT BLACK LENTICULAR BRACKET
- 3011  RIGHT BLACK LENTICULAR BRACKET

CJK symbols















- 3012  POSTAL MARK
→ 1F3E3  japanese post office

- 3013  GETA MARK
• substitute for ideograph not in font
• editorial convention to represent ideographic lacuna
→ 25A1  white square

CJK brackets










- 3014  LEFT TORTOISE SHELL BRACKET
- 3015  RIGHT TORTOISE SHELL BRACKET
- 3016  LEFT WHITE LENTICULAR BRACKET
- 3017  RIGHT WHITE LENTICULAR BRACKET
- 3018  LEFT WHITE TORTOISE SHELL BRACKET
→ 27EC  mathematical left white tortoise shell bracket
- 3019  RIGHT WHITE TORTOISE SHELL BRACKET
→ 27ED  mathematical right white tortoise shell bracket
- 301A  LEFT WHITE SQUARE BRACKET
= left abstract syntax bracket
→ 27E6  mathematical left white square bracket
- 301B  RIGHT WHITE SQUARE BRACKET
= right abstract syntax bracket
→ 27E7  mathematical right white square bracket

CJK symbols and punctuation

- 301C  WAVE DASH
• This character was encoded to match JIS C 6226-1978 1-33 "wave dash". The JIS standards and some industry practice disagree in mapping.
→ 3030  wavy dash
→ FF5E  fullwidth tilde
- 301D  REVERSED DOUBLE PRIME QUOTATION MARK
• sometimes depicted as double prime quotation mark
→ 201C  left double quotation mark
→ 2036  reversed double prime
- 301E  DOUBLE PRIME QUOTATION MARK
• this is a mistaken analogue to 201D  ; 301F  is preferred
→ 201D  right double quotation mark
→ 2033  double prime
- 301F  LOW DOUBLE PRIME QUOTATION MARK
• may be depicted as low inverse double prime quotation mark
- 3020  POSTAL MARK FACE

Suzhou numerals

The Suzhou numerals (Chinese su1zhou1ma3zi) are special numeric forms used by traders to display the prices of goods. The use of "HANGZHOU" in the names is a misnomer.

- 3021  HANGZHOU NUMERAL ONE
- 3022  HANGZHOU NUMERAL TWO
- 3023  HANGZHOU NUMERAL THREE
- 3024  HANGZHOU NUMERAL FOUR
- 3025  HANGZHOU NUMERAL FIVE
- 3026  HANGZHOU NUMERAL SIX
- 3027  HANGZHOU NUMERAL SEVEN
- 3028  HANGZHOU NUMERAL EIGHT
- 3029  HANGZHOU NUMERAL NINE

Diacritics

- 302A  IDEOGRAPHIC LEVEL TONE MARK
- 302B  IDEOGRAPHIC RISING TONE MARK
- 302C  IDEOGRAPHIC DEPARTING TONE MARK

- 302D ◌◌ IDEOGRAPHIC ENTERING TONE MARK
 302E ◌◌ HANGUL SINGLE DOT TONE MARK
 = single dot Bangjeom
 302F ◌◌ HANGUL DOUBLE DOT TONE MARK
 = double dot Bangjeom

Other CJK symbols

- 3030 ~ WAVY DASH
 → 2307 } wavy line
 → 301C ~ wave dash
 3031 < VERTICAL KANA REPEAT MARK
 3032 < VERTICAL KANA REPEAT WITH VOICED SOUND MARK
 • the preceding two semantic characters are preferred to the following three glyphic forms
 3033 / VERTICAL KANA REPEAT MARK UPPER HALF
 3034 / VERTICAL KANA REPEAT WITH VOICED SOUND MARK UPPER HALF
 • the preceding two are glyphs used in conjunction with the following glyph
 3035 \ VERTICAL KANA REPEAT MARK LOWER HALF
 3036 ⊕ CIRCLED POSTAL MARK
 ≈ 3012 ⊖ postal mark
 3037 XX IDEOGRAPHIC TELEGRAPH LINE FEED SEPARATOR SYMBOL

Additional Suzhou numerals

- 3038 十 HANGZHOU NUMERAL TEN
 ≈ 5341 十
 3039 廿 HANGZHOU NUMERAL TWENTY
 ≈ 5344 廿
 303A 卅 HANGZHOU NUMERAL THIRTY
 ≈ 5345 卅



Other CJK punctuation

- 303B 々 VERTICAL IDEOGRAPHIC ITERATION MARK
 303C ㄗ MASU MARK
 • informal abbreviation for Japanese -masu ending
 → 29C4 ㄗ squared rising diagonal slash
 303D 〰 PART ALTERNATION MARK
 • marks the start of a song part in Japanese

Special CJK indicators

These are visibly displayed graphic characters, not invisible format control characters.

- 303E ㄹ IDEOGRAPHIC VARIATION INDICATOR
 • visual indicator that the following ideograph is to be taken as a variant of the intended character
 303F ㄻ IDEOGRAPHIC HALF FILL SPACE
 • visual indicator of a screen space for half of an ideograph

	304	305	306	307	308	309
0		ぐ 3050	だ 3060	ば 3070	む 3080	み 3090
1	あ 3041	け 3051	ち 3061	ば ^o 3071	め 3081	ゑ 3091
2	あ 3042	げ 3052	ぢ 3062	ひ 3072	も 3082	を 3092
3	い 3043	こ 3053	っ 3063	び 3073	や 3083	ん 3093
4	い 3044	ご 3054	っ 3064	び 3074	や 3084	う 3094
5	う 3045	さ 3055	づ 3065	ふ 3075	ゆ 3085	か 3095
6	う 3046	ざ 3056	て 3066	ぶ 3076	ゆ 3086	け 3096
7	え 3047	し 3057	で 3067	ふ ^o 3077	よ 3087	
8	え 3048	じ 3058	と 3068	へ 3078	よ 3088	
9	お 3049	す 3059	ど 3069	べ 3079	ら 3089	ゝ ^o 3099
A	お 304A	ず 305A	な 306A	ぺ 307A	り 308A	ゞ ^o 309A
B	か 304B	せ 305B	に 306B	ほ 307B	る 308B	ゝ ^o 309B
C	が 304C	ぜ 305C	ぬ 306C	ぼ 307C	れ 308C	ゞ ^o 309C
D	き 304D	そ 305D	ね 306D	ぼ ^o 307D	ろ 308D	ゝ ^o 309D
E	ぎ 304E	ぞ 305E	の 306E	ま 307E	わ 308E	ゞ ^o 309E
F	く 304F	た 305F	は 306F	み 307F	わ 308F	ん 309F

Voicing marks

- 3099 ◌[◌] COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK
- 309A ◌[◌] COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
- 309B ◌[◌] KATAKANA-HIRAGANA VOICED SOUND MARK
 ≈ 0020 sp 3099 ◌[◌]
- 309C ◌[◌] KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
 ≈ 0020 sp 309A ◌[◌]

Iteration marks

- 309D > HIRAGANA ITERATION MARK
- 309E > HIRAGANA VOICED ITERATION MARK
 ≡ 309D > 3099 ◌[◌]

Hiragana digraph

- 309F ㇿ HIRAGANA DIGRAPH YORI
- historically used in vertical contexts, but now found also in horizontal layout
- ≈ <vertical> 3088 ㇿ 308A ㇿ

	30A	30B	30C	30D	30E	30F
0	ニ 30A0	グ 30B0	ダ 30C0	バ 30D0	ム 30E0	ヰ 30F0
1	ア 30A1	ケ 30B1	チ 30C1	パ [◦] 30D1	メ 30E1	エ 30F1
2	ア 30A2	ゲ 30B2	ヂ 30C2	ヒ 30D2	モ 30E2	ヲ 30F2
3	イ 30A3	コ 30B3	ツ 30C3	ビ 30D3	ヤ 30E3	ン 30F3
4	イ 30A4	ゴ 30B4	ツ 30C4	ピ [◦] 30D4	ヤ 30E4	ヴ 30F4
5	ウ 30A5	サ 30B5	ヅ 30C5	フ 30D5	ユ 30E5	カ 30F5
6	ウ 30A6	ザ 30B6	テ 30C6	ブ 30D6	ユ 30E6	ケ 30F6
7	エ 30A7	シ 30B7	デ 30C7	プ [◦] 30D7	ヨ 30E7	ヴ 30F7
8	エ 30A8	ジ 30B8	ト 30C8	ヘ 30D8	ヨ 30E8	ヰ 30F8
9	オ 30A9	ス 30B9	ド 30C9	ベ 30D9	ラ 30E9	ヱ 30F9
A	オ 30AA	ズ 30BA	ナ 30CA	ペ [◦] 30DA	リ 30EA	ヰ 30FA
B	カ 30AB	セ 30BB	ニ 30CB	ホ 30DB	ル 30EB	・ 30FB
C	ガ 30AC	ゼ 30BC	ヌ 30CC	ボ 30DC	レ 30EC	ー 30FC
D	キ 30AD	ソ 30BD	ネ 30CD	ポ [◦] 30DD	ロ 30ED	ヽ 30FD
E	ギ 30AE	ゾ 30BE	ノ 30CE	マ 30DE	ワ 30EE	ヰ 30FE
F	ク 30AF	タ 30BF	ハ 30CF	ミ 30DF	ワ 30EF	フ 30FF

Katakana punctuation

30A0 = KATAKANA-HIRAGANA DOUBLE HYPHEN
→ 003D = equals sign

Katakana letters

30A1 ア KATAKANA LETTER SMALL A
30A2 ア KATAKANA LETTER A
30A3 イ KATAKANA LETTER SMALL I
30A4 イ KATAKANA LETTER I
30A5 ウ KATAKANA LETTER SMALL U
30A6 ウ KATAKANA LETTER U
30A7 エ KATAKANA LETTER SMALL E
30A8 エ KATAKANA LETTER E
30A9 オ KATAKANA LETTER SMALL O
30AA オ KATAKANA LETTER O
30AB カ KATAKANA LETTER KA
30AC ガ KATAKANA LETTER GA
≡ 30AB カ 3099 °
30AD キ KATAKANA LETTER KI
30AE ギ KATAKANA LETTER GI
≡ 30AD キ 3099 °
30AF ク KATAKANA LETTER KU
30B0 グ KATAKANA LETTER GU
≡ 30AF ク 3099 °
30B1 ケ KATAKANA LETTER KE
30B2 ゲ KATAKANA LETTER GE
≡ 30B1 ケ 3099 °
30B3 コ KATAKANA LETTER KO
30B4 ゴ KATAKANA LETTER GO
≡ 30B3 コ 3099 °
30B5 サ KATAKANA LETTER SA
30B6 ザ KATAKANA LETTER ZA
≡ 30B5 サ 3099 °
30B7 シ KATAKANA LETTER SI
= SHI
30B8 ジ KATAKANA LETTER ZI
= JI (not unique)
≡ 30B7 シ 3099 °
30B9 ス KATAKANA LETTER SU
30BA ズ KATAKANA LETTER ZU
≡ 30B9 ス 3099 °
30BB セ KATAKANA LETTER SE
30BC ゼ KATAKANA LETTER ZE
≡ 30BB セ 3099 °
30BD ソ KATAKANA LETTER SO
30BE ゾ KATAKANA LETTER ZO
≡ 30BD ソ 3099 °
30BF タ KATAKANA LETTER TA
30C0 ダ KATAKANA LETTER DA
≡ 30BF タ 3099 °
30C1 チ KATAKANA LETTER TI
= CHI
30C2 チ KATAKANA LETTER DI
= JI (not unique)
≡ 30C1 チ 3099 °
30C3 ツ KATAKANA LETTER SMALL TU
= SMALL TSU
30C4 ツ KATAKANA LETTER TU
= TSU
30C5 ヅ KATAKANA LETTER DU
= ZU (not unique)
≡ 30C4 ツ 3099 °
30C6 テ KATAKANA LETTER TE

30C7 デ KATAKANA LETTER DE
≡ 30C6 テ 3099 °
30C8 ト KATAKANA LETTER TO
30C9 ド KATAKANA LETTER DO
≡ 30C8 ト 3099 °
30CA ナ KATAKANA LETTER NA
30CB ニ KATAKANA LETTER NI
30CC ヌ KATAKANA LETTER NU
30CD ネ KATAKANA LETTER NE
30CE ノ KATAKANA LETTER NO
30CF ハ KATAKANA LETTER HA
30D0 バ KATAKANA LETTER BA
≡ 30CF ハ 3099 °
30D1 パ KATAKANA LETTER PA
≡ 30CF ハ 3099 °
30D2 ヒ KATAKANA LETTER HI
30D3 ビ KATAKANA LETTER BI
≡ 30D2 ヒ 3099 °
30D4 ピ KATAKANA LETTER PI
≡ 30D2 ヒ 3099 °
30D5 フ KATAKANA LETTER HU
= FU
30D6 ブ KATAKANA LETTER BU
≡ 30D5 フ 3099 °
30D7 プ KATAKANA LETTER PU
≡ 30D5 フ 3099 °
30D8 ヘ KATAKANA LETTER HE
30D9 ベ KATAKANA LETTER BE
≡ 30D8 ヘ 3099 °
30DA ペ KATAKANA LETTER PE
≡ 30D8 ヘ 3099 °
30DB ホ KATAKANA LETTER HO
30DC ボ KATAKANA LETTER BO
≡ 30DB ホ 3099 °
30DD ポ KATAKANA LETTER PO
≡ 30DB ホ 3099 °
30DE マ KATAKANA LETTER MA
30DF ミ KATAKANA LETTER MI
30E0 ム KATAKANA LETTER MU
30E1 メ KATAKANA LETTER ME
30E2 モ KATAKANA LETTER MO
30E3 ヤ KATAKANA LETTER SMALL YA
30E4 ヤ KATAKANA LETTER YA
30E5 ユ KATAKANA LETTER SMALL YU
30E6 ユ KATAKANA LETTER YU
30E7 ヨ KATAKANA LETTER SMALL YO
30E8 ヨ KATAKANA LETTER YO
30E9 ラ KATAKANA LETTER RA
30EA リ KATAKANA LETTER RI
30EB ル KATAKANA LETTER RU
30EC レ KATAKANA LETTER RE
30ED ロ KATAKANA LETTER RO
30EE ワ KATAKANA LETTER SMALL WA
30EF ワ KATAKANA LETTER WA
30F0 キ KATAKANA LETTER WI
30F1 エ KATAKANA LETTER WE
30F2 ヲ KATAKANA LETTER WO
30F3 ン KATAKANA LETTER N
30F4 ヴ KATAKANA LETTER VU
≡ 30A6 ウ 3099 °
30F5 カ KATAKANA LETTER SMALL KA
30F6 ケ KATAKANA LETTER SMALL KE

- 30F7 ヱ KATAKANA LETTER VA
≡ 30EF ヱ 3099 〇
- 30F8 ズ KATAKANA LETTER VI
≡ 30F0 ズ 3099 〇
- 30F9 る KATAKANA LETTER VE
≡ 30F1 る 3099 〇
- 30FA ゑ KATAKANA LETTER VO
≡ 30F2 ゑ 3099 〇

Conjunction and length marks

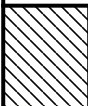
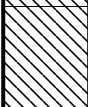
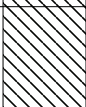
- 30FB ・ KATAKANA MIDDLE DOT
→ 00B7 · middle dot
- 30FC ー KATAKANA-HIRAGANA PROLONGED SOUND MARK
→ 2014 — em dash

Iteration marks

- 30FD ヽ KATAKANA ITERATION MARK
- 30FE ヿ KATAKANA VOICED ITERATION MARK
≡ 30FD ヽ 3099 〇

Katakana digraph

- 30FF ㇰ KATAKANA DIGRAPH KOTO
- historically used in vertical contexts, but now found also in horizontal layout
- ≈ <vertical> 30B3 ㇰ 30C8 ㇰ

	310	311	312
0		ㄐ 3110	ㄏ 3120
1		ㄑ 3111	ㄏ 3121
2		ㄒ 3112	ㄓ 3122
3		ㄔ 3113	ㄌ 3123
4		ㄕ 3114	ㄎ 3124
5	ㄨ 3105	ㄩ 3115	ㄨ 3125
6	ㄨ 3106	ㄨ 3116	ㄨ 3126
7	ㄨ 3107	ㄨ 3117	ㄨ 3127
8	ㄨ 3108	ㄨ 3118	ㄨ 3128
9	ㄨ 3109	ㄨ 3119	ㄨ 3129
A	ㄨ 310A	ㄨ 311A	ㄨ 312A
B	ㄨ 310B	ㄨ 311B	ㄨ 312B
C	ㄨ 310C	ㄨ 311C	ㄨ 312C
D	ㄨ 310D	ㄨ 311D	ㄨ 312D
E	ㄨ 310E	ㄨ 311E	
F	ㄨ 310F	ㄨ 311F	

See also the Bopomofo Extended block

Based on GB 2312



3105	ㄨ	BOPOMOFO LETTER B
3106	ㄨ	BOPOMOFO LETTER P
3107	ㄨ	BOPOMOFO LETTER M
3108	ㄨ	BOPOMOFO LETTER F
3109	ㄨ	BOPOMOFO LETTER D
310A	ㄨ	BOPOMOFO LETTER T
310B	ㄨ	BOPOMOFO LETTER N
310C	ㄨ	BOPOMOFO LETTER L
310D	ㄨ	BOPOMOFO LETTER G
310E	ㄨ	BOPOMOFO LETTER K
310F	ㄨ	BOPOMOFO LETTER H
3110	ㄨ	BOPOMOFO LETTER J
3111	ㄨ	BOPOMOFO LETTER Q
3112	ㄨ	BOPOMOFO LETTER X
3113	ㄨ	BOPOMOFO LETTER ZH
3114	ㄨ	BOPOMOFO LETTER CH
3115	ㄨ	BOPOMOFO LETTER SH
3116	ㄨ	BOPOMOFO LETTER R
3117	ㄨ	BOPOMOFO LETTER Z
3118	ㄨ	BOPOMOFO LETTER C
3119	ㄨ	BOPOMOFO LETTER S
311A	ㄨ	BOPOMOFO LETTER A
311B	ㄨ	BOPOMOFO LETTER O
311C	ㄨ	BOPOMOFO LETTER E
311D	ㄨ	BOPOMOFO LETTER EH
311E	ㄨ	BOPOMOFO LETTER AI
311F	ㄨ	BOPOMOFO LETTER EI
3120	ㄨ	BOPOMOFO LETTER AU
3121	ㄨ	BOPOMOFO LETTER OU
3122	ㄨ	BOPOMOFO LETTER AN
3123	ㄨ	BOPOMOFO LETTER EN
3124	ㄨ	BOPOMOFO LETTER ANG
3125	ㄨ	BOPOMOFO LETTER ENG
3126	ㄨ	BOPOMOFO LETTER ER
3127	ㄨ	BOPOMOFO LETTER I
		• the horizontal stroke form is considered a rendering variant
3128	ㄨ	BOPOMOFO LETTER U
3129	ㄨ	BOPOMOFO LETTER IU

Dialect (non-Mandarin) letters

312A	ㄨ	BOPOMOFO LETTER V
312B	ㄨ	BOPOMOFO LETTER NG
312C	ㄨ	BOPOMOFO LETTER GN

Miscellaneous addition

312D	ㄨ	BOPOMOFO LETTER IH
		• for analytic representation of apical vowel

	313	314	315	316	317	318
0		ㄹㅎ 3140	ㅂ 3150	ㅍ 3160	ㅁ△ 3170	ㅇㅇ 3180
1	ㄱ 3131	ㅋ 3141	ㅌ 3151	ㆁ 3161	ㅎ 3171	ㅇ 3181
2	ㄲ 3132	ㆁ 3142	ㅂ 3152	ㆁ 3162	ㅁ 3172	ㅇ 3182
3	ㄴ 3133	ㅁ 3143	ㄱ 3153	ㅣ 3163	ㅁ 3173	ㅇ△ 3183
4	ㄴ 3134	ㅁ 3144	ㅋ 3154	 3164	ㅁ 3174	ㅇ 3184
5	ㄴ 3135	ㅁ 3145	ㅋ 3155	ㄴ 3165	ㅁ 3175	ㅇ 3185
6	ㄴ 3136	ㅁ 3146	ㅋ 3156	ㄴ 3166	ㅁ 3176	ㅇ 3186
7	ㄴ 3137	ㅇ 3147	ㄴ 3157	ㅁ 3167	ㅁ 3177	ㅁ 3187
8	ㄴ 3138	ㅁ 3148	ㅁ 3158	ㅁ 3168	ㅁ 3178	ㅁ 3188
9	ㄴ 3139	ㅁ 3149	ㅁ 3159	ㅁ 3169	ㅁ 3179	ㅁ 3189
A	ㄴ 313A	ㅁ 314A	ㅁ 315A	ㅁ 316A	ㅁ 317A	ㅁ 318A
B	ㄴ 313B	ㅁ 314B	ㅁ 315B	ㅁ 316B	ㅁ 317B	ㅁ 318B
C	ㄴ 313C	ㅁ 314C	ㅁ 315C	ㅁ 316C	ㅁ 317C	ㅁ 318C
D	ㄴ 313D	ㅁ 314D	ㅁ 315D	ㅁ 316D	ㅁ 317D	ㅁ 318D
E	ㄴ 313E	ㅁ 314E	ㅁ 315E	ㅁ 316E	ㅁ 317E	ㅁ 318E
F	ㄴ 313F	ㅁ 314F	ㅁ 315F	ㅁ 316F	ㅁ 317F	

Modern letters

3131	ㄱ	HANGUL LETTER KIYEOK ≈ 1100 ㄱ hangul choseong kiyeok	314F	ㅏ	HANGUL LETTER A ≈ 1161 ㅏ hangul jungseong a
3132	ㄲ	HANGUL LETTER SSANGKIYEOK ≈ 1101 ㄲ hangul choseong ssangkiyeok	3150	ㅑ	HANGUL LETTER AE ≈ 1162 ㅑ hangul jungseong ae
3133	ㄴ	HANGUL LETTER KIYEOK-SIOS ≈ 11AA ㄴ hangul jongseong kiyeok-sios	3151	ㅓ	HANGUL LETTER YA ≈ 1163 ㅓ hangul jungseong ya
3134	ㄷ	HANGUL LETTER NIEUN ≈ 1102 ㄷ hangul choseong nieun	3152	ㅕ	HANGUL LETTER YAE ≈ 1164 ㅕ hangul jungseong yae
3135	ㄸ	HANGUL LETTER NIEUN-CIEUC ≈ 11AC ㄸ hangul jongseong nieun-cieuc	3153	ㅗ	HANGUL LETTER EO ≈ 1165 ㅗ hangul jungseong eo
3136	ㄹ	HANGUL LETTER NIEUN-HIEUH ≈ 11AD ㄹ hangul jongseong nieun-hieuh	3154	ㅛ	HANGUL LETTER E ≈ 1166 ㅛ hangul jungseong e
3137	ㅀ	HANGUL LETTER TIKIUT ≈ 1103 ㅀ hangul choseong tikeut	3155	ㅜ	HANGUL LETTER YEO ≈ 1167 ㅜ hangul jungseong yeo
3138	ㅁ	HANGUL LETTER SSANGTIKIEUT ≈ 1104 ㅁ hangul choseong ssangtikeut	3156	ㅠ	HANGUL LETTER YE ≈ 1168 ㅠ hangul jungseong ye
3139	ㄷ	HANGUL LETTER RIEUL ≈ 1105 ㄷ hangul choseong rieul	3157	ㅡ	HANGUL LETTER O ≈ 1169 ㅡ hangul jungseong o
313A	ㄷ	HANGUL LETTER RIEUL-KIYEOK ≈ 11B0 ㄷ hangul jongseong rieul-kiyeok	3158	ㅗ	HANGUL LETTER WA ≈ 116A ㅗ hangul jungseong wa
313B	ㅓ	HANGUL LETTER RIEUL-MIEUM ≈ 11B1 ㅓ hangul jongseong rieul-mieum	3159	ㅛ	HANGUL LETTER WAE ≈ 116B ㅛ hangul jungseong wae
313C	ㅕ	HANGUL LETTER RIEUL-PIEUP ≈ 11B2 ㅕ hangul jongseong rieul-pieup	315A	ㅜ	HANGUL LETTER OE ≈ 116C ㅜ hangul jungseong oe
313D	ㅗ	HANGUL LETTER RIEUL-SIOS ≈ 11B3 ㅗ hangul jongseong rieul-sios	315B	ㅠ	HANGUL LETTER YO ≈ 116D ㅠ hangul jungseong yo
313E	ㅛ	HANGUL LETTER RIEUL-THIEUTH ≈ 11B4 ㅛ hangul jongseong rieul-thieuth	315C	ㅜ	HANGUL LETTER U ≈ 116E ㅜ hangul jungseong u
313F	ㅕ	HANGUL LETTER RIEUL-PHIEUPH ≈ 11B5 ㅕ hangul jongseong rieul-phieuph	315D	ㅛ	HANGUL LETTER WEO ≈ 116F ㅛ hangul jungseong weo
3140	ㅓ	HANGUL LETTER RIEUL-HIEUH ≈ 111A ㅓ hangul choseong rieul-hieuh	315E	ㅛ	HANGUL LETTER WE ≈ 1170 ㅛ hangul jungseong we
3141	ㅓ	HANGUL LETTER MIEUM ≈ 1106 ㅓ hangul choseong mieum	315F	ㅛ	HANGUL LETTER WI ≈ 1171 ㅛ hangul jungseong wi
3142	ㅓ	HANGUL LETTER PIEUP ≈ 1107 ㅓ hangul choseong pieup	3160	ㅛ	HANGUL LETTER YU ≈ 1172 ㅛ hangul jungseong yu
3143	ㅓ	HANGUL LETTER SSANGPIEUP ≈ 1108 ㅓ hangul choseong ssangpieup	3161	ㅡ	HANGUL LETTER EU ≈ 1173 ㅡ hangul jungseong eu
3144	ㅓ	HANGUL LETTER PIEUP-SIOS ≈ 1121 ㅓ hangul choseong pieup-sios	3162	ㅛ	HANGUL LETTER YI ≈ 1174 ㅛ hangul jungseong yi
3145	ㅓ	HANGUL LETTER SIOS ≈ 1109 ㅓ hangul choseong sios	3163	ㅓ	HANGUL LETTER I ≈ 1175 ㅓ hangul jungseong i
3146	ㅓ	HANGUL LETTER SSANGSIOS ≈ 110A ㅓ hangul choseong ssangsios			
3147	ㅓ	HANGUL LETTER IEUNG ≈ 110B ㅓ hangul choseong ieung			
3148	ㅓ	HANGUL LETTER CIEUC ≈ 110C ㅓ hangul choseong cieuc			
3149	ㅓ	HANGUL LETTER SSANGCIEUC ≈ 110D ㅓ hangul choseong ssangcieuc			
314A	ㅓ	HANGUL LETTER CHIEUCH ≈ 110E ㅓ hangul choseong chieuch			
314B	ㅓ	HANGUL LETTER KHIEUKH ≈ 110F ㅓ hangul choseong khieukh			
314C	ㅓ	HANGUL LETTER THIEUTH ≈ 1110 ㅓ hangul choseong thieuth			
314D	ㅓ	HANGUL LETTER PHIEUPH ≈ 1111 ㅓ hangul choseong phieuph			
314E	ㅓ	HANGUL LETTER HIEUH ≈ 1112 ㅓ hangul choseong hieuh			

Special character

3164	ㅓ	HANGUL FILLER = chaeum ≈ 1160 ㅓ hangul jungseong filler
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Old letters

3165	ㅓ	HANGUL LETTER SSANGNIEUN ≈ 1114 ㅓ hangul choseong ssangnieun
3166	ㅓ	HANGUL LETTER NIEUN-TIKIUT ≈ 1115 ㅓ hangul choseong nieun-tikeut
3167	ㅓ	HANGUL LETTER NIEUN-SIOS ≈ 11C7 ㅓ hangul jongseong nieun-sios
3168	ㅓ	HANGUL LETTER NIEUN-PANSIOS ≈ 11C8 ㅓ hangul jongseong nieun-pansios
3169	ㅓ	HANGUL LETTER RIEUL-KIYEOK-SIOS ≈ 11CC ㅓ hangul jongseong rieul-kiyeok-sios
316A	ㅓ	HANGUL LETTER RIEUL-TIKIUT ≈ 11CE ㅓ hangul jongseong rieul-tikeut
316B	ㅓ	HANGUL LETTER RIEUL-PIEUP-SIOS ≈ 11D3 ㅓ hangul jongseong rieul-pieup-sios

316C	ㄹㅏ	HANGUL LETTER RIEUL-PANSIOS ≈ 11D7 ㄹㅏ hangul jongseong rieul-pansios	3189	ㅛ	HANGUL LETTER YO-I ≈ 1188 ㅛ hangul jungseong yo-i
316D	ㄹㅑ	HANGUL LETTER RIEUL-YEORINHIEUH ≈ 11D9 ㄹㅑ hangul jongseong rieul-yeorinhieuh	318A	ㅠ	HANGUL LETTER YU-YEO ≈ 1191 ㅠ hangul jungseong yu-yeo
316E	ㅁ	HANGUL LETTER MIEUM-PIEUP ≈ 111C ㅁ hangul choseong mieum-pieup	318B	ㅠ	HANGUL LETTER YU-YE ≈ 1192 ㅠ hangul jungseong yu-ye
316F	ㅁ	HANGUL LETTER MIEUM-SIOS ≈ 11DD ㅁ hangul jongseong mieum-sios	318C	ㅠ	HANGUL LETTER YU-I ≈ 1194 ㅠ hangul jungseong yu-i
3170	ㅁ	HANGUL LETTER MIEUM-PANSIOS ≈ 11DF ㅁ hangul jongseong mieum-pansios	318D	·	HANGUL LETTER ARAEA ≈ 119E · hangul jungseong araea
3171	ㅂ	HANGUL LETTER KAPYEOUNMIEUM ≈ 111D ㅂ hangul choseong kapyeounmieum	318E	·	HANGUL LETTER ARAEA ≈ 11A1 · hangul jungseong araea-i
3172	ㅂ	HANGUL LETTER PIEUP-KIYEOK ≈ 111E ㅂ hangul choseong pieup-kiyeok			
3173	ㅂ	HANGUL LETTER PIEUP-TIKEUT ≈ 1120 ㅂ hangul choseong pieup-tikeut			
3174	ㅂ	HANGUL LETTER PIEUP-SIOS-KIYEOK ≈ 1122 ㅂ hangul choseong pieup-sios-kiyeok			
3175	ㅂ	HANGUL LETTER PIEUP-SIOS-TIKEUT ≈ 1123 ㅂ hangul choseong pieup-sios-tikeut			
3176	ㅂ	HANGUL LETTER PIEUP-CIEUC ≈ 1127 ㅂ hangul choseong pieup-cieuc			
3177	ㅂ	HANGUL LETTER PIEUP-THIEUTH ≈ 1129 ㅂ hangul choseong pieup-thieuth			
3178	ㅃ	HANGUL LETTER KAPYEOUNPIEUP ≈ 112B ㅃ hangul choseong kapyeounpieup			
3179	ㅃ	HANGUL LETTER KAPYEOUNSSANGPIEUP ≈ 112C ㅃ hangul choseong kapyeounssangpieup			
317A	ㅃ	HANGUL LETTER SIOS-KIYEOK ≈ 112D ㅃ hangul choseong sios-kiyeok			
317B	ㅃ	HANGUL LETTER SIOS-NIEUN ≈ 112E ㅃ hangul choseong sios-nieun			
317C	ㅃ	HANGUL LETTER SIOS-TIKEUT ≈ 112F ㅃ hangul choseong sios-tikeut			
317D	ㅃ	HANGUL LETTER SIOS-PIEUP ≈ 1132 ㅃ hangul choseong sios-pieup			
317E	ㅃ	HANGUL LETTER SIOS-CIEUC ≈ 1136 ㅃ hangul choseong sios-cieuc			
317F	ㅅ	HANGUL LETTER PANSIOS ≈ 1140 ㅅ hangul choseong pansios			
3180	ㅇ	HANGUL LETTER SSANGIEUNG = ssangyesieung ≈ 1147 ㅇ hangul choseong ssangieung			
3181	ㅇ	HANGUL LETTER YESIEUNG • old velar nasal ≈ 114C ㅇ hangul choseong yesieung			
3182	ㅇ	HANGUL LETTER YESIEUNG-SIOS ≈ 11F1 ㅇ hangul jongseong yesieung-sios			
3183	ㅇ	HANGUL LETTER YESIEUNG-PANSIOS ≈ 11F2 ㅇ hangul jongseong yesieung-pansios			
3184	ㅈ	HANGUL LETTER KAPYEOUNPHIEUPH ≈ 1157 ㅈ hangul choseong kapyeounphieuph			
3185	ㅊ	HANGUL LETTER SSANGHIEUH ≈ 1158 ㅊ hangul choseong ssanghieuh			
3186	ㅊ	HANGUL LETTER YEORINHIEUH • old glottal stop ≈ 1159 ㅊ hangul choseong yeorinhieuh			
3187	ㅊ	HANGUL LETTER YO-YA ≈ 1184 ㅊ hangul jungseong yo-ya			
3188	ㅊ	HANGUL LETTER YO-YAE ≈ 1185 ㅊ hangul jungseong yo-yae			

	319
0	| 3190
1	∨ 3191
2	一 3192
3	二 3193
4	三 3194
5	四 3195
6	上 3196
7	中 3197
8	下 3198
9	甲 3199
A	乙 319A
B	丙 319B
C	丁 319C
D	天 319D
E	地 319E
F	人 319F

Tateten

3190 | IDEOGRAPHIC ANNOTATION LINKING MARK
= tateten

Kaeriten

3191 ∨ IDEOGRAPHIC ANNOTATION REVERSE MARK
= kaeriten re

3192 - IDEOGRAPHIC ANNOTATION ONE MARK
≈ <sup>4E00 一

3193 = IDEOGRAPHIC ANNOTATION TWO MARK
≈ <sup>4E8C 二

3194 ≡ IDEOGRAPHIC ANNOTATION THREE MARK
≈ <sup>4E09 三

3195 西 IDEOGRAPHIC ANNOTATION FOUR MARK
≈ <sup>56DB 四

3196 上 IDEOGRAPHIC ANNOTATION TOP MARK
≈ <sup>4E0A 上

3197 中 IDEOGRAPHIC ANNOTATION MIDDLE MARK
≈ <sup>4E2D 中

3198 下 IDEOGRAPHIC ANNOTATION BOTTOM MARK
≈ <sup>4E0B 下

3199 甲 IDEOGRAPHIC ANNOTATION FIRST MARK
≈ <sup>7532 甲

319A 乙 IDEOGRAPHIC ANNOTATION SECOND MARK
≈ <sup>4E59 乙

319B 丙 IDEOGRAPHIC ANNOTATION THIRD MARK
≈ <sup>4E19 丙

319C 丁 IDEOGRAPHIC ANNOTATION FOURTH MARK
≈ <sup>4E01 丁

319D 天 IDEOGRAPHIC ANNOTATION HEAVEN MARK
≈ <sup>5929 天

319E 地 IDEOGRAPHIC ANNOTATION EARTH MARK
≈ <sup>5730 地

319F 人 IDEOGRAPHIC ANNOTATION MAN MARK
≈ <sup>4EBA 人

	31A	31B
0	ㄅ 31A0	ㄆ 31B0
1	ㄇ 31A1	ㄏ 31B1
2	ㄏ 31A2	ㄨ 31B2
3	ㄨ 31A3	ㄩ 31B3
4	ㄜ 31A4	ㄝ 31B4
5	ㄝ 31A5	ㄞ 31B5
6	ㄞ 31A6	ㄟ 31B6
7	ㄟ 31A7	ㄠ 31B7
8	ㄨ 31A8	ㄨ 31B8
9	ㄩ 31A9	ㄩ 31B9
A	ㄨ 31AA	ㄨ 31BA
B	ㄨ 31AB	
C	ㄨ 31AC	
D	ㄨ 31AD	
E	ㄨ 31AE	
F	ㄨ 31AF	

















































See also the Bopomofo block

Extended Bopomofo for Minnan and Hakka

- 31A0 ㄅ BOPOMOFO LETTER BU
- 31A1 ㄇ BOPOMOFO LETTER ZI
- 31A2 ㄏ BOPOMOFO LETTER JI
- 31A3 ㄨ BOPOMOFO LETTER GU
- 31A4 ㄜ BOPOMOFO LETTER EE
- 31A5 ㄝ BOPOMOFO LETTER ENN
- 31A6 ㄞ BOPOMOFO LETTER OO
- 31A7 ㄟ BOPOMOFO LETTER ONN
- 31A8 ㄨ BOPOMOFO LETTER IR
- 31A9 ㄩ BOPOMOFO LETTER ANN
- 31AA ㄨ BOPOMOFO LETTER INN
- 31AB ㄨ BOPOMOFO LETTER UNN
- 31AC ㄨ BOPOMOFO LETTER IM
- 31AD ㄨ BOPOMOFO LETTER NGG
- 31AE ㄨ BOPOMOFO LETTER AINN
- 31AF ㄨ BOPOMOFO LETTER AUNN
- 31B0 ㄆ BOPOMOFO LETTER AM
- 31B1 ㄏ BOPOMOFO LETTER OM
- 31B2 ㄨ BOPOMOFO LETTER ONG
- 31B3 ㄩ BOPOMOFO LETTER INNN
- 31B4 ㄨ BOPOMOFO FINAL LETTER P
- 31B5 ㄨ BOPOMOFO FINAL LETTER T
- 31B6 ㄨ BOPOMOFO FINAL LETTER K
- 31B7 ㄨ BOPOMOFO FINAL LETTER H

Extended Bopomofo for Hmu and Ge

- 31B8 ㄨ BOPOMOFO LETTER GH
- 31B9 ㄨ BOPOMOFO LETTER LH
- 31BA ㄨ BOPOMOFO LETTER ZY

	31C	31D	31E
0	 31C0	 31D0	 31E0
1	 31C1	 31D1	 31E1
2	 31C2	 31D2	 31E2
3	 31C3	 31D3	 31E3
4	 31C4	 31D4	
5	 31C5	 31D5	
6	 31C6	 31D6	
7	 31C7	 31D7	
8	 31C8	 31D8	
9	 31C9	 31D9	
A	 31CA	 31DA	
B	 31CB	 31DB	
C	 31CC	 31DC	
D	 31CD	 31DD	
E	 31CE	 31DE	
F	 31CF	 31DF	

CJK strokes

31C0	✓	CJK STROKE T • 2nd stroke of 51B0 冰	31D8	┘	CJK STROKE SWZ • 6th stroke of 8085 肅
31C1	)	CJK STROKE WG • 2nd stroke of 72D0 狐	31D9	┙	CJK STROKE ST • 3rd stroke of 6C11 民
31C2	ㄥ	CJK STROKE XG • 5th stroke of 6211 我	31DA	┘	CJK STROKE SG • 1st stroke of 6C34 水
31C3	ㄨ	CJK STROKE BXG • occurs only in Kaiti typefaces • equivalent to SWG stroke in Songti typefaces • 2nd stroke of 5FC3 心	31DB	<	CJK STROKE PD • 1st stroke of 5DE1 巡 • 1st stroke of 5973 女
31C4	L	CJK STROKE SW • 3rd stroke of 4EA1 亡 • 4th stroke of 56DB 四	31DC	厶	CJK STROKE PZ • 3rd stroke of 516C 公 • 4th stroke of 5F18 弘
31C5	ㄥ	CJK STROKE HZZ • 1st stroke of 534D 卍	31DD	ㄨ	CJK STROKE TN • 8th stroke of 5EFB 廻
31C6	冂	CJK STROKE HZG • 1st stroke of 7FBD 羽 • 1st stroke of 4E5F 也	31DE	ㄥ	CJK STROKE SZZ • 1st stroke of 5350 𠄎 • 4th stroke of 4E9E 亞
31C7	フ	CJK STROKE HP • 1st stroke of 53C8 又 • 4th stroke of 4ECA 今	31DF	ㄥ	CJK STROKE SWG • 7th stroke of 4E71 乱 • 3rd stroke of 5DF1 己
31C8	ㄥ	CJK STROKE HZWG • 1st stroke of 98DE 飞 • 2nd stroke of 4E5D 九	31E0	乙	CJK STROKE HXWG • 1st stroke of 4E59 乙
31C9	ㄥ	CJK STROKE SZWG • 3rd stroke of 5F13 弓 • 2nd stroke of 9A6C 马	31E1	ㄥ	CJK STROKE HZZZG • 1st stroke of 4E43 乃
31CA	ㄥ	CJK STROKE HZT • 2nd stroke of 8BA1 计 • 2nd stroke of 9CE9 鳩	31E2	ㄥ	CJK STROKE PG • 1st stroke of 4E44 ㄥ
31CB	ㄥ	CJK STROKE HZZP • 1st stroke of 53CA 及	31E3	○	CJK STROKE Q • 6th stroke of 3514 𠄎
31CC	ㄥ	CJK STROKE HPWG • 1st stroke of 961D 𠄎 • 6th stroke of 90AE 邨			
31CD	ㄥ	CJK STROKE HZW • 5th stroke of 6295 投			
31CE	ㄥ	CJK STROKE HZZZ • 1st stroke of 51F8 凸			
31CF	ㄥ	CJK STROKE N • 3rd stroke of 5927 大			
31D0	一	CJK STROKE H • 1st stroke of 5927 大 • 1st stroke of 4E03 七			
31D1	|	CJK STROKE S • 4th stroke of 4E2D 中			
31D2	ノ	CJK STROKE P • 1st stroke of 4E4F 乏			
31D3	丿	CJK STROKE SP • 1st stroke of 6708 月			
31D4	丶	CJK STROKE D • 3rd stroke of 4E38 丸			
31D5	冂	CJK STROKE HZ • 2nd stroke of 56DB 四			
31D6	ㄥ	CJK STROKE HG • 1st stroke of 758B 疋 • 1st stroke of 5B50 子			
31D7	ㄥ	CJK STROKE SZ • 2nd stroke of 5C71 山 • 2nd stroke of 4E1C 东			

31F	
0	ク 31F0
1	シ 31F1
2	ス 31F2
3	ト 31F3
4	ヌ 31F4
5	ハ 31F5
6	ヒ 31F6
7	フ 31F7
8	ヘ 31F8
9	ホ 31F9
A	ム 31FA
B	ラ 31FB
C	リ 31FC
D	ル 31FD
E	レ 31FE
F	ロ 31FF

Phonetic extensions for Ainu

31F0	ク	KATAKANA LETTER SMALL KU
31F1	シ	KATAKANA LETTER SMALL SI
31F2	ス	KATAKANA LETTER SMALL SU
31F3	ト	KATAKANA LETTER SMALL TO
31F4	ヌ	KATAKANA LETTER SMALL NU
31F5	ハ	KATAKANA LETTER SMALL HA
31F6	ヒ	KATAKANA LETTER SMALL HI
31F7	フ	KATAKANA LETTER SMALL HU
31F8	ヘ	KATAKANA LETTER SMALL HE
31F9	ホ	KATAKANA LETTER SMALL HO
31FA	ム	KATAKANA LETTER SMALL MU
31FB	ラ	KATAKANA LETTER SMALL RA
31FC	リ	KATAKANA LETTER SMALL RI
31FD	ル	KATAKANA LETTER SMALL RU
31FE	レ	KATAKANA LETTER SMALL RE
31FF	ロ	KATAKANA LETTER SMALL RO

	320	321	322	323	324	325	326	327	328	329	32A	32B	32C	32D	32E	32F
0	(ㄱ) 3200	(다) 3210	(一) 3220	(日) 3230	(祭) 3240	PTE 3250	(ㄱ) 3260	(다) 3270	(一) 3280	(日) 3290	(項) 32A0	(夜) 32B0	1月 32C0	(ア) 32D0	(チ) 32E0	(ム) 32F0
1	(ㄴ) 3201	(라) 3211	(二) 3221	(株) 3231	(休) 3241	(21) 3251	(ㄴ) 3261	(라) 3271	(二) 3281	(株) 3291	(休) 32A1	(36) 32B1	2月 32C1	(イ) 32D1	(ツ) 32E1	(メ) 32F1
2	(ㄷ) 3202	(마) 3212	(三) 3222	(有) 3232	(自) 3242	(22) 3252	(ㄷ) 3262	(마) 3272	(三) 3282	(有) 3292	(写) 32A2	(37) 32B2	3月 32C2	(ウ) 32D2	(テ) 32E2	(モ) 32F2
3	(ㄹ) 3203	(바) 3213	(四) 3223	(社) 3233	(至) 3243	(23) 3253	(ㄹ) 3263	(바) 3273	(四) 3283	(社) 3293	(正) 32A3	(38) 32B3	4月 32C3	(エ) 32D3	(ト) 32E3	(ヤ) 32F3
4	(ㄴ) 3204	(사) 3214	(五) 3224	(名) 3234	(問) 3244	(24) 3254	(ㄴ) 3264	(사) 3274	(五) 3284	(名) 3294	(上) 32A4	(39) 32B4	5月 32C4	(オ) 32D4	(ナ) 32E4	(ユ) 32F4
5	(ㄷ) 3205	(아) 3215	(六) 3225	(特) 3235	(幼) 3245	(25) 3255	(ㄷ) 3265	(아) 3275	(六) 3285	(特) 3295	(中) 32A5	(40) 32B5	6月 32C5	(カ) 32D5	(ニ) 32E5	(ヨ) 32F5
6	(ㄸ) 3206	(자) 3216	(七) 3226	(財) 3236	(文) 3246	(26) 3256	(ㄸ) 3266	(자) 3276	(七) 3286	(財) 3296	(下) 32A6	(41) 32B6	7月 32C6	(キ) 32D6	(ヌ) 32E6	(ラ) 32F6
7	(ㅇ) 3207	(차) 3217	(八) 3227	(祝) 3237	(箏) 3247	(27) 3257	(ㅇ) 3267	(차) 3277	(八) 3287	(祝) 3297	(左) 32A7	(42) 32B7	8月 32C7	(ク) 32D7	(ネ) 32E7	(リ) 32F7
8	(ㅈ) 3208	(카) 3218	(九) 3228	(劳) 3238	(10) 3248	(28) 3258	(ㅈ) 3268	(카) 3278	(九) 3288	(劳) 3298	(右) 32A8	(43) 32B8	9月 32C8	(ケ) 32D8	(ノ) 32E8	(ル) 32F8
9	(ㅊ) 3209	(타) 3219	(十) 3229	(代) 3239	(20) 3249	(29) 3259	(ㅊ) 3269	(타) 3279	(十) 3289	(秘) 3299	(医) 32A9	(44) 32B9	10月 32C9	(コ) 32D9	(ハ) 32E9	(レ) 32F9
A	(ㅋ) 320A	(파) 321A	(月) 322A	(呼) 323A	(30) 324A	(30) 325A	(ㅋ) 326A	(파) 327A	(月) 328A	(男) 329A	(宗) 32AA	(45) 32BA	11月 32CA	(サ) 32DA	(ヒ) 32EA	(ロ) 32FA
B	(ㅌ) 320B	(하) 321B	(火) 322B	(学) 323B	(40) 324B	(31) 325B	(ㅌ) 326B	(하) 327B	(火) 328B	(女) 329B	(学) 32AB	(46) 32BB	12月 32CB	(シ) 32DB	(フ) 32EB	(ワ) 32FB
C	(ㄷ) 320C	(주) 321C	(水) 322C	(監) 323C	(50) 324C	(32) 325C	(ㄷ) 326C	(참고) 327C	(水) 328C	(適) 329C	(監) 32AC	(47) 32BC	Hg 32CC	(ス) 32DC	(ヘ) 32EC	(卍) 32FC
D	(ㅎ) 320D	(오전) 321D	(木) 322D	(企) 323D	(60) 324D	(33) 325D	(ㅎ) 326D	(주의) 327D	(木) 328D	(優) 329D	(企) 32AD	(48) 32BD	erg 32CD	(セ) 32DD	(ホ) 32ED	(エ) 32FD
E	(가) 320E	(오후) 321E	(金) 322E	(資) 323E	(70) 324E	(34) 325E	(가) 326E	(우) 327E	(金) 328E	(印) 329E	(資) 32AE	(49) 32BE	eV 32CE	(ソ) 32DE	(マ) 32EE	(ヲ) 32FE
F	(나) 320F	(斜线) 321F	(土) 322F	(協) 323F	(80) 324F	(35) 325F	(나) 326F	(중) 327F	(土) 328F	(注) 329F	(協) 32AF	(50) 32BF	LTD 32CF	(夕) 32DF	(ミ) 32EF	(斜线) 32FF

Parenthesized Hangul letters

- 3200 (ㄱ) PARENTHESIZED HANGUL KIYEOK
≈ 0028 (1100 ㄱ 0029)
- 3201 (ㄴ) PARENTHESIZED HANGUL NIEUN
≈ 0028 (1102 ㄴ 0029)
- 3202 (ㄷ) PARENTHESIZED HANGUL TIKIUT
≈ 0028 (1103 ㄷ 0029)
- 3203 (ㄹ) PARENTHESIZED HANGUL RIEUL
≈ 0028 (1105 ㄹ 0029)
- 3204 (ㅁ) PARENTHESIZED HANGUL MIEUM
≈ 0028 (1106 ㅁ 0029)
- 3205 (ㅂ) PARENTHESIZED HANGUL PIEUP
≈ 0028 (1107 ㅂ 0029)
- 3206 (ㅅ) PARENTHESIZED HANGUL SIOS
≈ 0028 (1109 ㅅ 0029)
- 3207 (ㅇ) PARENTHESIZED HANGUL IEUNG
≈ 0028 (110B ㅇ 0029)
- 3208 (ㅈ) PARENTHESIZED HANGUL CIEUC
≈ 0028 (110C ㅈ 0029)
- 3209 (ㅊ) PARENTHESIZED HANGUL CHIEUCH
≈ 0028 (110E ㅊ 0029)
- 320A (ㅋ) PARENTHESIZED HANGUL KHIEUKH
≈ 0028 (110F ㅋ 0029)
- 320B (ㅌ) PARENTHESIZED HANGUL THIEUTH
≈ 0028 (1110 ㅌ 0029)
- 320C (ㅍ) PARENTHESIZED HANGUL PHIEUPH
≈ 0028 (1111 ㅍ 0029)
- 320D (ㅎ) PARENTHESIZED HANGUL HIEUH
≈ 0028 (1112 ㅎ 0029)

Parenthesized Hangul syllables

- 320E (가) PARENTHESIZED HANGUL KIYEOK A
≈ 0028 (1100 ㄱ 1161 ㅏ 0029)
- 320F (나) PARENTHESIZED HANGUL NIEUN A
≈ 0028 (1102 ㄴ 1161 ㅑ 0029)
- 3210 (다) PARENTHESIZED HANGUL TIKIUT A
≈ 0028 (1103 ㄷ 1161 ㅓ 0029)
- 3211 (라) PARENTHESIZED HANGUL RIEUL A
≈ 0028 (1105 ㄹ 1161 ㅕ 0029)
- 3212 (마) PARENTHESIZED HANGUL MIEUM A
≈ 0028 (1106 ㅁ 1161 ㅗ 0029)
- 3213 (바) PARENTHESIZED HANGUL PIEUP A
≈ 0028 (1107 ㅂ 1161 ㅛ 0029)
- 3214 (사) PARENTHESIZED HANGUL SIOS A
≈ 0028 (1109 ㅅ 1161 ㅝ 0029)
- 3215 (아) PARENTHESIZED HANGUL IEUNG A
≈ 0028 (110B ㅇ 1161 ㅟ 0029)
- 3216 (자) PARENTHESIZED HANGUL CIEUC A
≈ 0028 (110C ㅈ 1161 ㅛ 0029)
- 3217 (차) PARENTHESIZED HANGUL CHIEUCH A
≈ 0028 (110E ㅊ 1161 ㅛ 0029)
- 3218 (카) PARENTHESIZED HANGUL KHIEUKH A
≈ 0028 (110F ㅋ 1161 ㅛ 0029)
- 3219 (타) PARENTHESIZED HANGUL THIEUTH A
≈ 0028 (1110 ㅌ 1161 ㅛ 0029)
- 321A (파) PARENTHESIZED HANGUL PHIEUPH A
≈ 0028 (1111 ㅍ 1161 ㅛ 0029)
- 321B (하) PARENTHESIZED HANGUL HIEUH A
≈ 0028 (1112 ㅎ 1161 ㅛ 0029)
- 321C (주) PARENTHESIZED HANGUL CIEUC U
≈ 0028 (110C ㅈ 116E ㅛ 0029)

Parenthesized Korean words

- 321D (오) PARENTHESIZED KOREAN CHARACTER OJEON
≈ 0028 (110B ㅇ 1169 ㅛ 110C ㅈ 1165 ㅓ
11AB ㅏ 0029)
- 321E (오) PARENTHESIZED KOREAN CHARACTER O HU
• preferred spelling for the name is ohu
≈ 0028 (110B ㅇ 1169 ㅛ 1112 ㅎ 116E ㅛ
0029)

Parenthesized ideographs

- 3220 (一) PARENTHESIZED IDEOGRAPH ONE
≈ 0028 (4E00 一 0029)
- 3221 (二) PARENTHESIZED IDEOGRAPH TWO
≈ 0028 (4E8C 二 0029)
- 3222 (三) PARENTHESIZED IDEOGRAPH THREE
≈ 0028 (4E09 三 0029)
- 3223 (四) PARENTHESIZED IDEOGRAPH FOUR
≈ 0028 (56DB 四 0029)
- 3224 (五) PARENTHESIZED IDEOGRAPH FIVE
≈ 0028 (4E94 五 0029)
- 3225 (六) PARENTHESIZED IDEOGRAPH SIX
≈ 0028 (516D 六 0029)
- 3226 (七) PARENTHESIZED IDEOGRAPH SEVEN
≈ 0028 (4E03 七 0029)
- 3227 (八) PARENTHESIZED IDEOGRAPH EIGHT
≈ 0028 (516B 八 0029)
- 3228 (九) PARENTHESIZED IDEOGRAPH NINE
≈ 0028 (4E5D 九 0029)
- 3229 (十) PARENTHESIZED IDEOGRAPH TEN
≈ 0028 (5341 十 0029)
- 322A (月) PARENTHESIZED IDEOGRAPH MOON
• Monday
≈ 0028 (6708 月 0029)
- 322B (火) PARENTHESIZED IDEOGRAPH FIRE
• Tuesday
≈ 0028 (706B 火 0029)
- 322C (水) PARENTHESIZED IDEOGRAPH WATER
• Wednesday
≈ 0028 (6C34 水 0029)
- 322D (木) PARENTHESIZED IDEOGRAPH WOOD
• Thursday
≈ 0028 (6728 木 0029)
- 322E (金) PARENTHESIZED IDEOGRAPH METAL
• Friday
≈ 0028 (91D1 金 0029)
- 322F (土) PARENTHESIZED IDEOGRAPH EARTH
• Saturday
≈ 0028 (571F 土 0029)
- 3230 (日) PARENTHESIZED IDEOGRAPH SUN
• Sunday
≈ 0028 (65E5 日 0029)
- 3231 (株) PARENTHESIZED IDEOGRAPH STOCK
• incorporated
≈ 0028 (682A 株 0029)
- 3232 (有) PARENTHESIZED IDEOGRAPH HAVE
• limited
≈ 0028 (6709 有 0029)
- 3233 (社) PARENTHESIZED IDEOGRAPH SOCIETY
• company
≈ 0028 (793E 社 0029)
- 3234 (名) PARENTHESIZED IDEOGRAPH NAME
≈ 0028 (540D 名 0029)

- 3235 (特) PARENTHESIZED IDEOGRAPH SPECIAL
≈ 0028 (7279 特 0029)
- 3236 (財) PARENTHESIZED IDEOGRAPH FINANCIAL
≈ 0028 (8CA1 財 0029)
- 3237 (祝) PARENTHESIZED IDEOGRAPH CONGRATULATION
≈ 0028 (795D 祝 0029)
- 3238 (勞) PARENTHESIZED IDEOGRAPH LABOR
≈ 0028 (52B4 勞 0029)
- 3239 (代) PARENTHESIZED IDEOGRAPH REPRESENT
≈ 0028 (4EE3 代 0029)
- 323A (呼) PARENTHESIZED IDEOGRAPH CALL
≈ 0028 (547C 呼 0029)
- 323B (學) PARENTHESIZED IDEOGRAPH STUDY
≈ 0028 (5B66 學 0029)
- 323C (監) PARENTHESIZED IDEOGRAPH SUPERVISE
≈ 0028 (76E3 監 0029)
- 323D (企) PARENTHESIZED IDEOGRAPH ENTERPRISE
≈ 0028 (4F01 企 0029)
- 323E (資) PARENTHESIZED IDEOGRAPH RESOURCE
≈ 0028 (8CC7 資 0029)
- 323F (協) PARENTHESIZED IDEOGRAPH ALLIANCE
≈ 0028 (5354 協 0029)
- 3240 (祭) PARENTHESIZED IDEOGRAPH FESTIVAL
≈ 0028 (796D 祭 0029)
- 3241 (休) PARENTHESIZED IDEOGRAPH REST
≈ 0028 (4F11 休 0029)
- 3242 (自) PARENTHESIZED IDEOGRAPH SELF
• from
≈ 0028 (81EA 自 0029)
- 3243 (至) PARENTHESIZED IDEOGRAPH REACH
• to
≈ 0028 (81F3 至 0029)

Circled ideographs from ARIB STD B24

- 3244 問 CIRCLED IDEOGRAPH QUESTION
≈ <circle> 554F 問
- 3245 幼 CIRCLED IDEOGRAPH KINDERGARTEN
≈ <circle> 5E7C 幼
- 3246 文 CIRCLED IDEOGRAPH SCHOOL
≈ <circle> 6587 文
- 3247 箏 CIRCLED IDEOGRAPH KOTO
≈ <circle> 7B8F 箏

Circled numbers on black squares from ARIB STD B24

- 3248 10 CIRCLED NUMBER TEN ON BLACK SQUARE
= speed limit 10 km/h
- 3249 20 CIRCLED NUMBER TWENTY ON BLACK SQUARE
= speed limit 20 km/h
- 324A 30 CIRCLED NUMBER THIRTY ON BLACK SQUARE
= speed limit 30 km/h
- 324B 40 CIRCLED NUMBER FORTY ON BLACK SQUARE
= speed limit 40 km/h
- 324C 50 CIRCLED NUMBER FIFTY ON BLACK SQUARE
= speed limit 50 km/h
- 324D 60 CIRCLED NUMBER SIXTY ON BLACK SQUARE
= speed limit 60 km/h
- 324E 70 CIRCLED NUMBER SEVENTY ON BLACK SQUARE
= speed limit 70 km/h
- 324F 80 CIRCLED NUMBER EIGHTY ON BLACK SQUARE
= speed limit 80 km/h

Squared Latin abbreviation

- 3250 PTE PARTNERSHIP SIGN
≈ <square> 0050 P 0054 T 0045 E

Circled numbers

- 3251 ㉑ CIRCLED NUMBER TWENTY ONE
≈ <circle> 0032 2 0031 1
- 3252 ㉒ CIRCLED NUMBER TWENTY TWO
≈ <circle> 0032 2 0032 2
- 3253 ㉓ CIRCLED NUMBER TWENTY THREE
≈ <circle> 0032 2 0033 3
- 3254 ㉔ CIRCLED NUMBER TWENTY FOUR
≈ <circle> 0032 2 0034 4
- 3255 ㉕ CIRCLED NUMBER TWENTY FIVE
≈ <circle> 0032 2 0035 5
- 3256 ㉖ CIRCLED NUMBER TWENTY SIX
≈ <circle> 0032 2 0036 6
- 3257 ㉗ CIRCLED NUMBER TWENTY SEVEN
≈ <circle> 0032 2 0037 7
- 3258 ㉘ CIRCLED NUMBER TWENTY EIGHT
≈ <circle> 0032 2 0038 8
- 3259 ㉙ CIRCLED NUMBER TWENTY NINE
≈ <circle> 0032 2 0039 9
- 325A ㉚ CIRCLED NUMBER THIRTY
≈ <circle> 0033 3 0030 0
- 325B ㉛ CIRCLED NUMBER THIRTY ONE
≈ <circle> 0033 3 0031 1
- 325C ㉜ CIRCLED NUMBER THIRTY TWO
≈ <circle> 0033 3 0032 2
- 325D ㉝ CIRCLED NUMBER THIRTY THREE
≈ <circle> 0033 3 0033 3
- 325E ㉞ CIRCLED NUMBER THIRTY FOUR
≈ <circle> 0033 3 0034 4
- 325F ㉟ CIRCLED NUMBER THIRTY FIVE
≈ <circle> 0033 3 0035 5

Circled Hangul letters

- 3260 ㉠ CIRCLED HANGUL KIYEOK
≈ <circle> 1100 ㄱ
- 3261 ㉡ CIRCLED HANGUL NIEUN
≈ <circle> 1102 ㄴ
- 3262 ㉢ CIRCLED HANGUL TIKEUT
≈ <circle> 1103 ㄷ
- 3263 ㉣ CIRCLED HANGUL RIEUL
≈ <circle> 1105 ㄹ
- 3264 ㉤ CIRCLED HANGUL MIEUM
≈ <circle> 1106 ㅁ
- 3265 ㉥ CIRCLED HANGUL PIEUP
≈ <circle> 1107 ㅂ
- 3266 ㉦ CIRCLED HANGUL SIOS
≈ <circle> 1109 ㅅ
- 3267 ㉧ CIRCLED HANGUL IEUNG
≈ <circle> 110B ㅇ
- 3268 ㉨ CIRCLED HANGUL CIEUC
≈ <circle> 110C ㅈ
- 3269 ㉩ CIRCLED HANGUL CHIEUCH
≈ <circle> 110E ㅊ
- 326A ㉪ CIRCLED HANGUL KHIEUKH
≈ <circle> 110F ㅋ
- 326B ㉫ CIRCLED HANGUL THIEUTH
≈ <circle> 1110 ㅌ
- 326C ㉬ CIRCLED HANGUL PHIEUPH
≈ <circle> 1111 ㅍ

326D ㉞ CIRCLED HANGUL HIEUH
≈ <circle> 1112 ㅎ

Circled Hangul syllables

326E 가 CIRCLED HANGUL KIYEOK A
≈ <circle> 1100 ㄱ 1161 ㅏ

326F 나 CIRCLED HANGUL NIEUN A
≈ <circle> 1102 ㄴ 1161 ㅏ

3270 다 CIRCLED HANGUL TIKEUT A
≈ <circle> 1103 ㄷ 1161 ㅏ

3271 라 CIRCLED HANGUL RIEUL A
≈ <circle> 1105 ㄹ 1161 ㅏ

3272 마 CIRCLED HANGUL MIEUM A
≈ <circle> 1106 ㅁ 1161 ㅏ

3273 바 CIRCLED HANGUL PIEUP A
≈ <circle> 1107 ㅂ 1161 ㅏ

3274 사 CIRCLED HANGUL SIOS A
≈ <circle> 1109 ㅅ 1161 ㅏ

3275 아 CIRCLED HANGUL IEUNG A
≈ <circle> 110B ㅇ 1161 ㅏ

3276 자 CIRCLED HANGUL CIEUC A
≈ <circle> 110C ㅈ 1161 ㅏ

3277 차 CIRCLED HANGUL CHIEUCH A
≈ <circle> 110E ㅊ 1161 ㅏ

3278 카 CIRCLED HANGUL KHIEUKH A
≈ <circle> 110F ㅋ 1161 ㅏ

3279 타 CIRCLED HANGUL THIEUTH A
≈ <circle> 1110 ㅌ 1161 ㅏ

327A 파 CIRCLED HANGUL PHIEUPH A
≈ <circle> 1111 ㅍ 1161 ㅏ

327B 하 CIRCLED HANGUL HIEUH A
≈ <circle> 1112 ㅎ 1161 ㅏ

Circled Korean words

327C ㅅㅇ CIRCLED KOREAN CHARACTER CHAMKO
≈ <circle> 110E ㅅ 1161 ㅏ 11B7 ㅁ 1100 ㄱ
1169 ㅏ

327D ㅅㅇ CIRCLED KOREAN CHARACTER JUEUI
≈ <circle> 110C ㅅ 116E ㅏ 110B ㅇ 1174 ㅏ

Circled Hangul syllable

327E 우 CIRCLED HANGUL IEUNG U
• postal code mark
≈ <circle> 110B ㅇ 116E ㅏ

Symbol

327F ㉞ KOREAN STANDARD SYMBOL

Circled ideographs

3280 一 CIRCLED IDEOGRAPH ONE
= maru-iti, symbol of unification
≈ <circle> 4E00 一

3281 二 CIRCLED IDEOGRAPH TWO
≈ <circle> 4E8C 二

3282 三 CIRCLED IDEOGRAPH THREE
≈ <circle> 4E09 三

3283 四 CIRCLED IDEOGRAPH FOUR
≈ <circle> 56DB 四

3284 五 CIRCLED IDEOGRAPH FIVE
≈ <circle> 4E94 五

3285 六 CIRCLED IDEOGRAPH SIX
≈ <circle> 516D 六

3286 七 CIRCLED IDEOGRAPH SEVEN
≈ <circle> 4E03 七

3287 八 CIRCLED IDEOGRAPH EIGHT
≈ <circle> 516B 八

3288 九 CIRCLED IDEOGRAPH NINE
≈ <circle> 4E5D 九

3289 十 CIRCLED IDEOGRAPH TEN
≈ <circle> 5341 十

328A 月 CIRCLED IDEOGRAPH MOON
• Monday

≈ <circle> 6708 月

328B 火 CIRCLED IDEOGRAPH FIRE
• Tuesday

≈ <circle> 706B 火

328C 水 CIRCLED IDEOGRAPH WATER
• Wednesday

≈ <circle> 6C34 水

328D 木 CIRCLED IDEOGRAPH WOOD
• Thursday

≈ <circle> 6728 木

328E 金 CIRCLED IDEOGRAPH METAL
• Friday

≈ <circle> 91D1 金

328F 土 CIRCLED IDEOGRAPH EARTH
• Saturday

≈ <circle> 571F 土

3290 日 CIRCLED IDEOGRAPH SUN
• Sunday

≈ <circle> 65E5 日

3291 株 CIRCLED IDEOGRAPH STOCK
• incorporated

≈ <circle> 682A 株

3292 有 CIRCLED IDEOGRAPH HAVE
• limited

≈ <circle> 6709 有

3293 社 CIRCLED IDEOGRAPH SOCIETY
• company

≈ <circle> 793E 社

3294 名 CIRCLED IDEOGRAPH NAME
≈ <circle> 540D 名

3295 特 CIRCLED IDEOGRAPH SPECIAL
≈ <circle> 7279 特

3296 財 CIRCLED IDEOGRAPH FINANCIAL
≈ <circle> 8CA1 財

3297 祝 CIRCLED IDEOGRAPH CONGRATULATION
≈ <circle> 795D 祝

3298 勞 CIRCLED IDEOGRAPH LABOR
≈ <circle> 52B4 勞

3299 秘 CIRCLED IDEOGRAPH SECRET
≈ <circle> 79D8 秘

329A 男 CIRCLED IDEOGRAPH MALE
≈ <circle> 7537 男

329B 女 CIRCLED IDEOGRAPH FEMALE
≈ <circle> 5973 女

329C 適 CIRCLED IDEOGRAPH SUITABLE
≈ <circle> 9069 適

329D 優 CIRCLED IDEOGRAPH EXCELLENT
≈ <circle> 512A 優

329E 印 CIRCLED IDEOGRAPH PRINT
• name seal

≈ <circle> 5370 印

329F 注 CIRCLED IDEOGRAPH ATTENTION
≈ <circle> 6CE8 注

32A0 項 CIRCLED IDEOGRAPH ITEM
≈ <circle> 9805 項

- 32A1 休 CIRCLED IDEOGRAPH REST
• holiday
≈ <circle> 4F11 休
- 32A2 写 CIRCLED IDEOGRAPH COPY
≈ <circle> 5199 写
- 32A3 正 CIRCLED IDEOGRAPH CORRECT
≈ <circle> 6B63 正
- 32A4 上 CIRCLED IDEOGRAPH HIGH
≈ <circle> 4E0A 上
- 32A5 中 CIRCLED IDEOGRAPH CENTRE
≈ <circle> 4E2D 中
- 32A6 下 CIRCLED IDEOGRAPH LOW
≈ <circle> 4E0B 下
- 32A7 左 CIRCLED IDEOGRAPH LEFT
≈ <circle> 5DE6 左
- 32A8 右 CIRCLED IDEOGRAPH RIGHT
≈ <circle> 53F3 右
- 32A9 医 CIRCLED IDEOGRAPH MEDICINE
≈ <circle> 533B 医
- 32AA 宗 CIRCLED IDEOGRAPH RELIGION
≈ <circle> 5B97 宗
- 32AB 学 CIRCLED IDEOGRAPH STUDY
≈ <circle> 5B66 学
- 32AC 监 CIRCLED IDEOGRAPH SUPERVISE
≈ <circle> 76E3 监
- 32AD 企 CIRCLED IDEOGRAPH ENTERPRISE
≈ <circle> 4F01 企
- 32AE 资 CIRCLED IDEOGRAPH RESOURCE
≈ <circle> 8CC7 资
- 32AF 协 CIRCLED IDEOGRAPH ALLIANCE
≈ <circle> 5354 协
- 32B0 夜 CIRCLED IDEOGRAPH NIGHT
≈ <circle> 591C 夜

Circled numbers

- 32B1 36 CIRCLED NUMBER THIRTY SIX
≈ <circle> 0033 3 0036 6
- 32B2 37 CIRCLED NUMBER THIRTY SEVEN
≈ <circle> 0033 3 0037 7
- 32B3 38 CIRCLED NUMBER THIRTY EIGHT
≈ <circle> 0033 3 0038 8
- 32B4 39 CIRCLED NUMBER THIRTY NINE
≈ <circle> 0033 3 0039 9
- 32B5 40 CIRCLED NUMBER FORTY
≈ <circle> 0034 4 0030 0
- 32B6 41 CIRCLED NUMBER FORTY ONE
≈ <circle> 0034 4 0031 1
- 32B7 42 CIRCLED NUMBER FORTY TWO
≈ <circle> 0034 4 0032 2
- 32B8 43 CIRCLED NUMBER FORTY THREE
≈ <circle> 0034 4 0033 3
- 32B9 44 CIRCLED NUMBER FORTY FOUR
≈ <circle> 0034 4 0034 4
- 32BA 45 CIRCLED NUMBER FORTY FIVE
≈ <circle> 0034 4 0035 5
- 32BB 46 CIRCLED NUMBER FORTY SIX
≈ <circle> 0034 4 0036 6
- 32BC 47 CIRCLED NUMBER FORTY SEVEN
≈ <circle> 0034 4 0037 7
- 32BD 48 CIRCLED NUMBER FORTY EIGHT
≈ <circle> 0034 4 0038 8
- 32BE 49 CIRCLED NUMBER FORTY NINE
≈ <circle> 0034 4 0039 9

- 32BF 50 CIRCLED NUMBER FIFTY
≈ <circle> 0035 5 0030 0

Telegraph symbols for months

- 32C0 1月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR JANUARY
≈ 0031 1 6708 月
- 32C1 2月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR FEBRUARY
≈ 0032 2 6708 月
- 32C2 3月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR MARCH
≈ 0033 3 6708 月
- 32C3 4月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR APRIL
≈ 0034 4 6708 月
- 32C4 5月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR MAY
≈ 0035 5 6708 月
- 32C5 6月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR JUNE
≈ 0036 6 6708 月
- 32C6 7月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR JULY
≈ 0037 7 6708 月
- 32C7 8月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR AUGUST
≈ 0038 8 6708 月
- 32C8 9月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR SEPTEMBER
≈ 0039 9 6708 月
- 32C9 10月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR OCTOBER
≈ 0031 1 0030 0 6708 月
- 32CA 11月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR NOVEMBER
≈ 0031 1 0031 1 6708 月
- 32CB 12月 IDEOGRAPHIC TELEGRAPH SYMBOL FOR DECEMBER
≈ 0031 1 0032 2 6708 月

Squared Latin abbreviations

- 32CC Hg SQUARE HG
≈ <square> 0048 H 0067 g
- 32CD erg SQUARE ERG
≈ <square> 0065 e 0072 r 0067 g
- 32CE eV SQUARE EV
≈ <square> 0065 e 0056 V
- 32CF LTD LIMITED LIABILITY SIGN
≈ <square> 004C L 0054 T 0044 D

Circled Katakana

- 32D0 ア CIRCLED KATAKANA A
≈ <circle> 30A2 ア
- 32D1 イ CIRCLED KATAKANA I
≈ <circle> 30A4 イ
- 32D2 ウ CIRCLED KATAKANA U
≈ <circle> 30A6 ウ
- 32D3 エ CIRCLED KATAKANA E
≈ <circle> 30A8 エ
- 32D4 オ CIRCLED KATAKANA O
≈ <circle> 30AA オ
- 32D5 カ CIRCLED KATAKANA KA
≈ <circle> 30AB カ
- 32D6 キ CIRCLED KATAKANA KI
≈ <circle> 30AD キ
- 32D7 ク CIRCLED KATAKANA KU
≈ <circle> 30AF ク

32D8	㊦	CIRCLED KATAKANA KE ≈ <circle> 30B1 ケ	32F7	㊯	CIRCLED KATAKANA RI ≈ <circle> 30EA リ
32D9	㊧	CIRCLED KATAKANA KO ≈ <circle> 30B3 コ	32F8	㊰	CIRCLED KATAKANA RU ≈ <circle> 30EB ル
32DA	㊨	CIRCLED KATAKANA SA ≈ <circle> 30B5 サ	32F9	㊱	CIRCLED KATAKANA RE ≈ <circle> 30EC レ
32DB	㊩	CIRCLED KATAKANA SI ≈ <circle> 30B7 シ	32FA	㊲	CIRCLED KATAKANA RO ≈ <circle> 30ED ロ
32DC	㊪	CIRCLED KATAKANA SU ≈ <circle> 30B9 ス	32FB	㊳	CIRCLED KATAKANA WA ≈ <circle> 30EF ワ
32DD	㊫	CIRCLED KATAKANA SE ≈ <circle> 30BB セ	32FC	㊴	CIRCLED KATAKANA WI ≈ <circle> 30F0 ㇰ
32DE	㊬	CIRCLED KATAKANA SO ≈ <circle> 30BD ソ	32FD	㊵	CIRCLED KATAKANA WE ≈ <circle> 30F1 ㇱ
32DF	㊭	CIRCLED KATAKANA TA ≈ <circle> 30BF タ	32FE	㊶	CIRCLED KATAKANA WO ≈ <circle> 30F2 ㇲ
32E0	㊮	CIRCLED KATAKANA TI ≈ <circle> 30C1 チ			
32E1	㊯	CIRCLED KATAKANA TU ≈ <circle> 30C4 ツ			
32E2	㊰	CIRCLED KATAKANA TE ≈ <circle> 30C6 テ			
32E3	㊱	CIRCLED KATAKANA TO ≈ <circle> 30C8 ト			
32E4	㊲	CIRCLED KATAKANA NA ≈ <circle> 30CA ナ			
32E5	㊳	CIRCLED KATAKANA NI ≈ <circle> 30CB ニ			
32E6	㊴	CIRCLED KATAKANA NU ≈ <circle> 30CC ヌ			
32E7	㊵	CIRCLED KATAKANA NE ≈ <circle> 30CD ネ			
32E8	㊶	CIRCLED KATAKANA NO ≈ <circle> 30CE ノ			
32E9	㊷	CIRCLED KATAKANA HA ≈ <circle> 30CF ハ			
32EA	㊸	CIRCLED KATAKANA HI ≈ <circle> 30D2 ヒ			
32EB	㊹	CIRCLED KATAKANA HU ≈ <circle> 30D5 フ			
32EC	㊺	CIRCLED KATAKANA HE ≈ <circle> 30D8 ヘ			
32ED	㊻	CIRCLED KATAKANA HO ≈ <circle> 30DB ホ			
32EE	㊼	CIRCLED KATAKANA MA ≈ <circle> 30DE マ			
32EF	㊽	CIRCLED KATAKANA MI ≈ <circle> 30DF ミ			
32F0	㊾	CIRCLED KATAKANA MU ≈ <circle> 30E0 ム			
32F1	㊿	CIRCLED KATAKANA ME ≈ <circle> 30E1 メ			
32F2	㋀	CIRCLED KATAKANA MO ≈ <circle> 30E2 モ			
32F3	㋁	CIRCLED KATAKANA YA ≈ <circle> 30E4 ヤ			
32F4	㋂	CIRCLED KATAKANA YU ≈ <circle> 30E6 ユ			
32F5	㋃	CIRCLED KATAKANA YO ≈ <circle> 30E8 ヨ			
32F6	㋄	CIRCLED KATAKANA RA ≈ <circle> 30E9 ラ			

	330	331	332	333	334	335	336	337	338	339	33A	33B	33C	33D	33E	33F
0	アパート 3300	ギガ 3310	サンチーム 3320	ピコ 3330	ポンド 3340	ユアン 3350	8点 3360	24点 3370	pA 3380	Hz 3390	cm ² 33A0	ps 33B0	kΩ 33C0	lm 33D0	1日 33E0	17日 33F0
1	アルファ 3301	ギニー 3311	シリリング 3321	ビル 3331	ホール 3341	リットル 3351	9点 3361	hPa 3371	nA 3381	kHz 3391	m ² 33A1	ns 33B1	MΩ 33C1	ln 33D1	2日 33E1	18日 33F1
2	アンペア 3302	キュリー 3312	センチ 3322	ファラッド 3332	ホン 3342	リラ 3352	10点 3362	da 3372	μA 3382	MHz 3392	km ² 33A2	μs 33B2	a.m. 33C2	log 33D2	3日 33E2	19日 33F2
3	アー 3303	ギルダー 3313	セント 3323	フィート 3333	マイクロ 3343	ルピー 3353	11点 3363	AU 3373	mA 3383	GHz 3393	mm ³ 33A3	ms 33B3	Bq 33C3	lx 33D3	4日 33E3	20日 33F3
4	イン 3304	キロ 3314	ダース 3324	ブッシュ 3334	マイル 3344	ルーブル 3354	12点 3364	bar 3374	kA 3384	THz 3394	cm ³ 33A4	pV 33B4	cc 33C4	mb 33D4	5日 33E4	21日 33F4
5	イン 3305	キログラム 3315	デシ 3325	フラン 3335	マツハ 3345	レム 3355	13点 3365	oV 3375	KB 3385	μl 3395	m ³ 33A5	nV 33B5	cd 33C5	mil 33D5	6日 33E5	22日 33F5
6	ウオン 3306	キロメートル 3316	ドル 3326	ヘクタール 3336	マルク 3346	レントゲン 3356	14点 3366	pc 3376	MB 3386	ml 3396	km ³ 33A6	μV 33B6	C/kg 33C6	mol 33D6	7日 33E6	23日 33F6
7	エスケード 3307	キロワット 3317	トン 3327	ペソ 3337	マンション 3347	ワット 3357	15点 3367	dm 3377	GB 3387	dl 3397	m/s 33A7	mV 33B7	Co. 33C7	pH 33D7	8日 33E7	24日 33F7
8	エーカー 3308	グラム 3318	ナノ 3328	ペニヒ 3338	ミク 3348	ロン 3358	0点 3368	16点 3378	dm ² 3388	cal 3398	kl 33A8	m/s ² 33B8	kV 33C8	dB 33D8	p.m. 33E8	9日 33F8
9	オンス 3309	グラムトン 3319	ノット 3329	ヘルツ 3339	ミリ 3349	リ 3359	1点 3369	17点 3379	dm ³ 3389	kcal 3399	fm 33A9	Pa 33B9	MV 33C9	Gy 33D9	PPM 33E9	10日 33F9
A	オーム 330A	クルゼイロ 331A	ハイ 332A	ペン 333A	ミリ 334A	バル 335A	2点 336A	18点 337A	IU 338A	pF 339A	nm 33AA	kPa 33BA	pW 33CA	ha 33DA	PR 33EA	11日 33FA
B	カイ 330B	クローネ 331B	パーセント 332B	ページ 333B	メガ 334B	3点 335B	19点 336B	平成 337B	nF 338B	μm 339B	MPa 33AB	nW 33BB	HP 33CB	sr 33DB	12日 33EB	28日 33FB
C	カラット 330C	ケース 331C	パート 332C	ベータ 333C	メガ 334C	トン 335C	4点 336C	20点 337C	昭和 338C	μF 339C	mm 33AC	GPa 33BC	μW 33CC	in 33DC	Sv 33EC	13日 33FC
D	カロリー 330D	コルナ 331D	バーレル 332D	ポイント 333D	メートル 334D	5点 335D	21点 336D	大正 337D	μg 338D	cm 339D	rad 33AD	mW 33BD	K.K. 33CD	Wb 33DD	14日 33ED	30日 33FD
E	ガロン 330E	コーポ 331E	ピア 332E	ボルト 333E	ヤード 334E	6点 335E	22点 336E	明治 337E	mg 338E	km 339E	rad/s 33AE	kW 33BE	KM 33CE	Y/m 33DE	15日 33EE	31日 33FE
F	ガン 330F	サイ 331F	ピク 332F	ホン 333F	ヤール 334F	7点 335F	23点 336F	株式 337F	kg 338F	mm ² 339F	rad/s ² 33AF	MW 33BF	kt 33CF	A/m 33DF	16日 33EF	gal 33FF

Squared Katakana words

- 3300 アパト SQUARE APAATO
• apartment
≈ <square> 30A2 ア 30D1 パ 30FC ー
30C8 ト
- 3301 アルテ SQUARE ARUHUA
• alpha
≈ <square> 30A2 ア 30EB ル 30D5 フ
30A1 ア
- 3302 アンペ SQUARE ANPEA
• ampere
≈ <square> 30A2 ア 30F3 ン 30DA ペ
30A2 ア
- 3303 アル SQUARE AARU
• are (unit of area)
≈ <square> 30A2 ア 30FC ー 30EB ル
- 3304 インテ SQUARE ININGU
• inning
≈ <square> 30A4 イ 30CB ニ 30F3 ン
30B0 グ
- 3305 インチ SQUARE INTI
• inch
≈ <square> 30A4 イ 30F3 ン 30C1 チ
- 3306 ウォン SQUARE UON
• won (Korean currency)
≈ <square> 30A6 ウ 30A9 オ 30F3 ン
- 3307 エスクード SQUARE ESUKUUDO
• escudo (Portuguese currency)
≈ <square> 30A8 エ 30B9 ス 30AF ク
30FC ー 30C9 ト
- 3308 エーカー SQUARE EEKAA
• acre
≈ <square> 30A8 エ 30FC ー 30AB カ
30FC ー
- 3309 オンス SQUARE ONSU
• ounce
≈ <square> 30AA オ 30F3 ン 30B9 ス
- 330A オーム SQUARE OOMU
• ohm
≈ <square> 30AA オ 30FC ー 30E0 ム
- 330B カイ SQUARE KAIRI
• kai-ri: nautical mile
≈ <square> 30AB カ 30A4 イ 30EA リ
- 330C カラット SQUARE KARATTO
• carat
≈ <square> 30AB カ 30E9 ラ 30C3 ツ
30C8 ト
- 330D カロリー SQUARE KARORII
• calorie
≈ <square> 30AB カ 30ED ロ 30EA リ
30FC ー
- 330E ガロン SQUARE GARON
• gallon
≈ <square> 30AC ガ 30ED ロ 30F3 ン
- 330F ガンマ SQUARE GANMA
• gamma
≈ <square> 30AC ガ 30F3 ン 30DE マ
- 3310 ギガ SQUARE GIGA
• giga-
≈ <square> 30AE ギ 30AC ガ
- 3311 ギニー SQUARE GINII
• guinea
≈ <square> 30AE ギ 30CB ニ 30FC ー
- 3312 キュリウム SQUARE KYURII
• curie
≈ <square> 30AD キ 30E5 ユ 30EA リ
30FC ー
- 3313 ギルダー SQUARE GIRUDAA
• guilder
≈ <square> 30AE ギ 30EB ル 30C0 ダ
30FC ー
- 3314 キロ SQUARE KIRO
• kilo-
≈ <square> 30AD キ 30ED ロ
- 3315 キログラム SQUARE KIROGURAMU
• kilogram
≈ <square> 30AD キ 30ED ロ 30B0 グ
30E9 ラ 30E0 ム
- 3316 キロメートル SQUARE KIROMEETORU
• kilometer
≈ <square> 30AD キ 30ED ロ 30E1 メ
30FC ー 30C8 ト 30EB ル
- 3317 キロワット SQUARE KIROWATTO
• kilowatt
≈ <square> 30AD キ 30ED ロ 30EF ワ
30C3 ツ 30C8 ト
- 3318 グラム SQUARE GURAMU
• gram
≈ <square> 30B0 グ 30E9 ラ 30E0 ム
- 3319 グラムトン SQUARE GURAMUTON
• gram ton
≈ <square> 30B0 グ 30E9 ラ 30E0 ム
30C8 ト 30F3 ン
- 331A クルゼイロ SQUARE KURUZEIRO
• cruzeiro (Brazilian currency)
≈ <square> 30AF ク 30EB ル 30BC ゼ
30A4 イ 30ED ロ
- 331B クロネ SQUARE KUROONE
• krone
≈ <square> 30AF ク 30ED ロ 30FC ー
30CD ネ
- 331C ケース SQUARE KEESU
• case
≈ <square> 30B1 ケ 30FC ー 30B9 ス
- 331D コルナ SQUARE KORUNA
• koruna (Czech currency)
≈ <square> 30B3 コ 30EB ル 30CA ナ
- 331E コーポ SQUARE KOOPO
• co-op
≈ <square> 30B3 コ 30FC ー 30DD ポ
- 331F サイクル SQUARE SAIKURU
• cycle
≈ <square> 30B5 サ 30A4 イ 30AF ク
30EB ル
- 3320 サンチム SQUARE SANTIIMU
• centime
≈ <square> 30B5 サ 30F3 ン 30C1 チ
30FC ー 30E0 ム
- 3321 シリング SQUARE SIRINGU
• shilling
≈ <square> 30B7 シ 30EA リ 30F3 ン
30B0 グ
- 3322 センチ SQUARE SENTI
• centi-
≈ <square> 30BB セ 30F3 ン 30C1 チ

3323	セント	SQUARE SENTO • cent ≈<square> 30BB セ 30F3 ン 30C8 ト	3336	ヘクタール	SQUARE HEKUTAARU • hectare ≈<square> 30D8 ヘ 30AF ク 30BF タ 30FC ー 30EB ル
3324	ダース	SQUARE DAASU • dozen ≈<square> 30C0 ダ 30FC ー 30B9 ス	3337	ペソ	SQUARE PESO • peso ≈<square> 30DA へ° 30BD ソ
3325	デシ	SQUARE DESI • deci- ≈<square> 30C7 デ 30B7 シ	3338	ペニヒ	SQUARE PENIHI • pfennig ≈<square> 30DA へ° 30CB ニ 30D2 ヒ
3326	ドル	SQUARE DORU • dollar ≈<square> 30C9 ド 30EB ル	3339	ヘルツ	SQUARE HERUTU • hertz ≈<square> 30D8 ヘ 30EB ル 30C4 ツ
3327	トン	SQUARE TON • ton ≈<square> 30C8 ト 30F3 ン	333A	ペンセン	SQUARE PENSU • pence ≈<square> 30DA へ° 30F3 ン 30B9 ス
3328	ナノ	SQUARE NANO • nano- ≈<square> 30CA ナ 30CE ノ	333B	ページ	SQUARE PEEZI • page ≈<square> 30DA へ° 30FC ー 30B8 ジ
3329	ノット	SQUARE NOTTO • knot, nautical mile ≈<square> 30CE ノ 30C3 ツ 30C8 ト	333C	ベータ	SQUARE BEETA • beta ≈<square> 30D9 ベ 30FC ー 30BF タ
332A	ハイ	SQUARE HAITU • heights ≈<square> 30CF ハ 30A4 イ 30C4 ツ	333D	ポイント	SQUARE POINTO • point ≈<square> 30DD ポ° 30A4 イ 30F3 ン 30C8 ト
332B	パーセント	SQUARE PAASENTO • percent ≈<square> 30D1 パ° 30FC ー 30BB セ 30F3 ン 30C8 ト	333E	ボルト	SQUARE BORUTO • volt, bolt ≈<square> 30DC ポ° 30EB ル 30C8 ト
332C	パーツ	SQUARE PAATU • parts ≈<square> 30D1 パ° 30FC ー 30C4 ツ	333F	ホン	SQUARE HON • hon: volume ≈<square> 30DB ホ 30F3 ン
332D	バレル	SQUARE BAARERU • barrel ≈<square> 30D0 バ° 30FC ー 30EC レ 30EB ル	3340	ポンド	SQUARE PONDO • pound ≈<square> 30DD ポ° 30F3 ン 30C9 ド
332E	ピアストル	SQUARE PIASUTORU • piaster ≈<square> 30D4 ピ° 30A2 ア 30B9 ス 30C8 ト 30EB ル	3341	ホール	SQUARE HOORU • hall ≈<square> 30DB ホ 30FC ー 30EB ル
332F	ピクル	SQUARE PIKURU • picul (unit of weight) ≈<square> 30D4 ピ° 30AF ク 30EB ル	3342	ホーン	SQUARE HOON • horn ≈<square> 30DB ホ 30FC ー 30F3 ン
3330	ピコ	SQUARE PIKO • pico- ≈<square> 30D4 ピ° 30B3 コ	3343	マイクロ	SQUARE MAIKURO • micro- ≈<square> 30DE マ 30A4 イ 30AF ク 30ED ロ
3331	ビル	SQUARE BIRU • building ≈<square> 30D3 ビ° 30EB ル	3344	マイル	SQUARE MAIRU • mile ≈<square> 30DE マ 30A4 イ 30EB ル
3332	ファラド	SQUARE HUARADDO • farad ≈<square> 30D5 フ 30A1 ア 30E9 ラ 30C3 ツ 30C9 ト	3345	マッハ	SQUARE MAHHA • mach ≈<square> 30DE マ 30C3 ツ 30CF ハ
3333	フィート	SQUARE HUIITO • feet ≈<square> 30D5 フ 30A3 イ 30FC ー 30C8 ト	3346	マルク	SQUARE MARUKU • mark ≈<square> 30DE マ 30EB ル 30AF ク
3334	ブッシュェル	SQUARE BUSSYERU • bushel ≈<square> 30D6 ブ 30C3 ツ 30B7 シ 30A7 エ 30EB ル	3347	マンション	SQUARE MANSYON • mansion (i.e. better quality apartment) ≈<square> 30DE マ 30F3 ン 30B7 シ 30E7 ヨ 30F3 ン
3335	フラン	SQUARE HURAN • franc ≈<square> 30D5 フ 30E9 ラ 30F3 ン	3348	ミクロン	SQUARE MIKURON • micron ≈<square> 30DF ミ 30AF ク 30ED ロ 30F3 ン

3349	ミリ	SQUARE MIRI • milli- ≈ <square> 30DF ミ 30EA リ	335B	3点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR THREE ≈ 0033 3 70B9 点
334A	ミリバル	SQUARE MIRIBAARU • millibar ≈ <square> 30DF ミ 30EA リ 30D0 バ 30FC ー 30EB ル	335C	4点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FOUR ≈ 0034 4 70B9 点
334B	メガ	SQUARE MEGA • mega- ≈ <square> 30E1 メ 30AC ガ	335D	5点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FIVE ≈ 0035 5 70B9 点
334C	メガトン	SQUARE MEGATON • megaton ≈ <square> 30E1 メ 30AC ガ 30C8 ト 30F3 ン	335E	6点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SIX ≈ 0036 6 70B9 点
334D	メートル	SQUARE MEETORU • meter ≈ <square> 30E1 メ 30FC ー 30C8 ト 30EB ル	335F	7点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SEVEN ≈ 0037 7 70B9 点
334E	ヤード	SQUARE YAADO • yard ≈ <square> 30E4 ヤ 30FC ー 30C9 ト	3360	8点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR EIGHT ≈ 0038 8 70B9 点
334F	ヤード	SQUARE YAARU • yard ≈ <square> 30E4 ヤ 30FC ー 30EB ル	3361	9点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR NINE ≈ 0039 9 70B9 点
3350	Yuan	SQUARE YUAN • yuan (Chinese currency) ≈ <square> 30E6 ユ 30A2 ア 30F3 ン	3362	10点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TEN ≈ 0031 1 0030 0 70B9 点
3351	リットル	SQUARE RITTORU • liter ≈ <square> 30EA リ 30C3 ツ 30C8 ト 30EB ル	3363	11点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ELEVEN ≈ 0031 1 0031 1 70B9 点
3352	リラ	SQUARE RIRA • lira ≈ <square> 30EA リ 30E9 ラ	3364	12点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWELVE ≈ 0031 1 0032 2 70B9 点
3353	ルピー	SQUARE RUPII • rupee ≈ <square> 30EB ル 30D4 ピ 30FC ー	3365	13点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR THIRTEEN ≈ 0031 1 0033 3 70B9 点
3354	ルーブル	SQUARE RUUBURU • ruble ≈ <square> 30EB ル 30FC ー 30D6 ブ 30EB ル	3366	14点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FOURTEEN ≈ 0031 1 0034 4 70B9 点
3355	レム	SQUARE REMU • rem (unit of radiation) ≈ <square> 30EC レ 30E0 ム	3367	15点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR FIFTEEN ≈ 0031 1 0035 5 70B9 点
3356	レントゲン	SQUARE RENTOGEN • roentgen ≈ <square> 30EC レ 30F3 ン 30C8 ト 30B2 ゲ 30F3 ン	3368	16点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SIXTEEN ≈ 0031 1 0036 6 70B9 点
3357	ワット	SQUARE WATTO • watt ≈ <square> 30EF ワ 30C3 ツ 30C8 ト	3369	17点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR SEVENTEEN ≈ 0031 1 0037 7 70B9 点
Telegraph symbols for hours			336A	18点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR EIGHTEEN ≈ 0031 1 0038 8 70B9 点
3358	0点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ZERO ≈ 0030 0 70B9 点	336B	19点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR NINETEEN ≈ 0031 1 0039 9 70B9 点
3359	1点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ONE ≈ 0031 1 70B9 点	336C	20点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY ≈ 0032 2 0030 0 70B9 点
335A	2点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWO ≈ 0032 2 70B9 点	336D	21点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-ONE ≈ 0032 2 0031 1 70B9 点
			336E	22点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-TWO ≈ 0032 2 0032 2 70B9 点
			336F	23点	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-THREE ≈ 0032 2 0033 3 70B9 点

3370 24点 IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR TWENTY-FOUR
≈ 0032 2 0034 4 70B9 点

Squared Latin abbreviations

3371 hPa SQUARE HPA
≈ <square> 0068 h 0050 P 0061 a

3372 da SQUARE DA
≈ <square> 0064 d 0061 a

3373 AU SQUARE AU
≈ <square> 0041 A 0055 U

3374 bar SQUARE BAR
≈ <square> 0062 b 0061 a 0072 r

3375 oV SQUARE OV
≈ <square> 006F o 0056 V

3376 pc SQUARE PC
≈ <square> 0070 p 0063 c

3377 dm SQUARE DM
≈ <square> 0064 d 006D m

3378 dm² SQUARE DM SQUARED
≈ <square> 0064 d 006D m 00B2²

3379 dm³ SQUARE DM CUBED
≈ <square> 0064 d 006D m 00B3³

337A IU SQUARE IU
≈ <square> 0049 I 0055 U

Japanese era names

337B 平成 SQUARE ERA NAME HEISEI
≈ <square> 5E73 平 6210 成

337C 昭和 SQUARE ERA NAME SYOUWA
≈ <square> 662D 昭 548C 和

337D 大正 SQUARE ERA NAME TAISYOU
≈ <square> 5927 大 6B63 正

337E 明治 SQUARE ERA NAME MEIZI
≈ <square> 660E 明 6CBB 治

Japanese corporation

337F 株式会社 SQUARE CORPORATION
= kabusiki-gaisya
• incorporated
≈ <square> 682A 株 5F0F 式 4F1A 会
793E 社

Squared Latin abbreviations

3380 pA SQUARE PA AMPS
≈ <square> 0070 p 0041 A

3381 nA SQUARE NA
≈ <square> 006E n 0041 A

3382 μA SQUARE MU A
≈ <square> 03BC μ 0041 A

3383 mA SQUARE MA
≈ <square> 006D m 0041 A

3384 kA SQUARE KA
≈ <square> 006B k 0041 A

3385 KB SQUARE KB
≈ <square> 004B K 0042 B

3386 MB SQUARE MB
≈ <square> 004D M 0042 B

3387 GB SQUARE GB
≈ <square> 0047 G 0042 B

3388 cal SQUARE CAL
≈ <square> 0063 c 0061 a 006C I

3389 kcal SQUARE KCAL
≈ <square> 006B k 0063 c 0061 a 006C I

338A pF SQUARE PF
≈ <square> 0070 p 0046 F

338B nF SQUARE NF
≈ <square> 006E n 0046 F

338C μF SQUARE MU F
≈ <square> 03BC μ 0046 F

338D μg SQUARE MU G
≈ <square> 03BC μ 0067 g

338E mg SQUARE MG
≈ <square> 006D m 0067 g

338F kg SQUARE KG
≈ <square> 006B k 0067 g

3390 Hz SQUARE HZ
≈ <square> 0048 H 007A z

3391 kHz SQUARE KHZ
≈ <square> 006B k 0048 H 007A z

3392 MHz SQUARE MHZ
≈ <square> 004D M 0048 H 007A z

3393 GHz SQUARE GHZ
≈ <square> 0047 G 0048 H 007A z

3394 THz SQUARE THZ
≈ <square> 0054 T 0048 H 007A z

3395 μl SQUARE MU L
≈ <square> 03BC μ 2113 l

3396 ml SQUARE ML
≈ <square> 006D m 2113 l

3397 dl SQUARE DL
≈ <square> 0064 d 2113 l

3398 kl SQUARE KL
≈ <square> 006B k 2113 l

3399 fm SQUARE FM
≈ <square> 0066 f 006D m

339A nm SQUARE NM
≈ <square> 006E n 006D m

339B μm SQUARE MU M
≈ <square> 03BC μ 006D m

339C mm SQUARE MM
≈ <square> 006D m 006D m

339D cm SQUARE CM
≈ <square> 0063 c 006D m

339E km SQUARE KM
≈ <square> 006B k 006D m

339F mm² SQUARE MM SQUARED
≈ <square> 006D m 006D m 00B2²

33A0 cm² SQUARE CM SQUARED
≈ <square> 0063 c 006D m 00B2²

33A1 m² SQUARE M SQUARED
≈ <square> 006D m 00B2²

33A2 km² SQUARE KM SQUARED
≈ <square> 006B k 006D m 00B2²

33A3 mm³ SQUARE MM CUBED
≈ <square> 006D m 006D m 00B3³

33A4 cm³ SQUARE CM CUBED
≈ <square> 0063 c 006D m 00B3³

33A5 m³ SQUARE M CUBED
≈ <square> 006D m 00B3³

33A6 km³ SQUARE KM CUBED
≈ <square> 006B k 006D m 00B3³

33A7 m/s SQUARE M OVER S
≈ <square> 006D m 2215 / 0073 s

33A8 m/s² SQUARE M OVER S SQUARED
≈ <square> 006D m 2215 / 0073 s 00B2²

33A9	Pa	SQUARE PA ≈ <square> 0050 P 0061 a	33C7	Co	SQUARE CO ≈ <square> 0043 C 006F o 002E .
33AA	kPa	SQUARE KPA ≈ <square> 006B k 0050 P 0061 a	33C8	dB	SQUARE DB ≈ <square> 0064 d 0042 B
33AB	MPa	SQUARE MPA ≈ <square> 004D M 0050 P 0061 a	33C9	Gy	SQUARE GY ≈ <square> 0047 G 0079 y
33AC	GPa	SQUARE GPa ≈ <square> 0047 G 0050 P 0061 a	33CA	ha	SQUARE HA ≈ <square> 0068 h 0061 a
33AD	rad	SQUARE RAD ≈ <square> 0072 r 0061 a 0064 d	33CB	HP	SQUARE HP ≈ <square> 0048 H 0050 P
33AE	rad/s	SQUARE RAD OVER S ≈ <square> 0072 r 0061 a 0064 d 2215 / 0073 s	33CC	in	SQUARE IN ≈ <square> 0069 i 006E n
33AF	rad ² /s	SQUARE RAD OVER S SQUARED ≈ <square> 0072 r 0061 a 0064 d 2215 / 0073 s 00B2 ²	33CD	KK	SQUARE KK ≈ <square> 004B K 004B K
33B0	ps	SQUARE PS ≈ <square> 0070 p 0073 s	33CE	KM	SQUARE KM CAPITAL ≈ <square> 004B K 004D M
33B1	ns	SQUARE NS ≈ <square> 006E n 0073 s	33CF	kt	SQUARE KT ≈ <square> 006B k 0074 t
33B2	μs	SQUARE MU S ≈ <square> 03BC μ 0073 s	33D0	lm	SQUARE LM ≈ <square> 006C I 006D m
33B3	ms	SQUARE MS ≈ <square> 006D m 0073 s	33D1	ln	SQUARE LN ≈ <square> 006C I 006E n
33B4	pV	SQUARE PV ≈ <square> 0070 p 0056 V	33D2	log	SQUARE LOG ≈ <square> 006C I 006F o 0067 g
33B5	nV	SQUARE NV ≈ <square> 006E n 0056 V	33D3	lx	SQUARE LX ≈ <square> 006C I 0078 x
33B6	μV	SQUARE MU V ≈ <square> 03BC μ 0056 V	33D4	mb	SQUARE MB SMALL ≈ <square> 006D m 0062 b
33B7	mV	SQUARE MV ≈ <square> 006D m 0056 V	33D5	mil	SQUARE MIL ≈ <square> 006D m 0069 i 006C I
33B8	kV	SQUARE KV ≈ <square> 006B k 0056 V	33D6	mol	SQUARE MOL ≈ <square> 006D m 006F o 006C I
33B9	MV	SQUARE MV MEGA ≈ <square> 004D M 0056 V	33D7	pH	SQUARE PH ≈ <square> 0050 P 0048 H
33BA	pW	SQUARE PW ≈ <square> 0070 p 0057 W	33D8	p.m.	SQUARE PM ≈ <square> 0070 p 002E . 006D m 002E .
33BB	nW	SQUARE NW ≈ <square> 006E n 0057 W	33D9	PPM	SQUARE PPM ≈ <square> 0050 P 0050 P 004D M
33BC	μW	SQUARE MU W ≈ <square> 03BC μ 0057 W	33DA	PR	SQUARE PR ≈ <square> 0050 P 0052 R
33BD	mW	SQUARE MW ≈ <square> 006D m 0057 W	33DB	sr	SQUARE SR ≈ <square> 0073 s 0072 r
33BE	kW	SQUARE KW ≈ <square> 006B k 0057 W	33DC	Sv	SQUARE SV ≈ <square> 0053 S 0076 v
33BF	MW	SQUARE MW MEGA ≈ <square> 004D M 0057 W	33DD	Wb	SQUARE WB ≈ <square> 0057 W 0062 b
33C0	kΩ	SQUARE K OHM ≈ <square> 006B k 03A9 Ω	33DE	$\frac{V}{m}$	SQUARE V OVER M ≈ <square> 0056 V 2215 / 006D m
33C1	MΩ	SQUARE M OHM ≈ <square> 004D M 03A9 Ω	33DF	$\frac{A}{m}$	SQUARE A OVER M ≈ <square> 0041 A 2215 / 006D m
33C2	a.m.	SQUARE AM ≈ <square> 0061 a 002E . 006D m 002E .	Telegraph symbols for days		
33C3	Bq	SQUARE BQ ≈ <square> 0042 B 0071 q	33E0	1H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY ONE ≈ 0031 1 65E5 H
33C4	cc	SQUARE CC ≈ <square> 0063 c 0063 c	33E1	2H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWO ≈ 0032 2 65E5 H
33C5	cd	SQUARE CD → 1F12D $\text{\textcircled{C}}$ circled cd ≈ <square> 0063 c 0064 d	33E2	3H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THREE ≈ 0033 3 65E5 H
33C6	C/kg	SQUARE C OVER KG ≈ <square> 0043 C 2215 / 006B k 0067 g			

33E3	4H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FOUR ≈ 0034 4 65E5 日	33F8	25H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-FIVE ≈ 0032 2 0035 5 65E5 日
33E4	5H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FIVE ≈ 0035 5 65E5 日	33F9	26H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-SIX ≈ 0032 2 0036 6 65E5 日
33E5	6H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SIX ≈ 0036 6 65E5 日	33FA	27H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-SEVEN ≈ 0032 2 0037 7 65E5 日
33E6	7H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SEVEN ≈ 0037 7 65E5 日	33FB	28H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-EIGHT ≈ 0032 2 0038 8 65E5 日
33E7	8H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY EIGHT ≈ 0038 8 65E5 日	33FC	29H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-NINE ≈ 0032 2 0039 9 65E5 日
33E8	9H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY NINE ≈ 0039 9 65E5 日	33FD	30H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THIRTY ≈ 0033 3 0030 0 65E5 日
33E9	10H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TEN ≈ 0031 1 0030 0 65E5 日	33FE	31H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THIRTY-ONE ≈ 0033 3 0031 1 65E5 日
33EA	11H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY ELEVEN ≈ 0031 1 0031 1 65E5 日	Squared Latin abbreviation		
33EB	12H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWELVE ≈ 0031 1 0032 2 65E5 日	33FF	gal	SQUARE GAL ≈ <square> 0067 g 0061 a 006C I
33EC	13H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY THIRTEEN ≈ 0031 1 0033 3 65E5 日			
33ED	14H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FOURTEEN ≈ 0031 1 0034 4 65E5 日			
33EE	15H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY FIFTEEN ≈ 0031 1 0035 5 65E5 日			
33EF	16H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SIXTEEN ≈ 0031 1 0036 6 65E5 日			
33F0	17H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY SEVENTEEN ≈ 0031 1 0037 7 65E5 日			
33F1	18H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY EIGHTEEN ≈ 0031 1 0038 8 65E5 日			
33F2	19H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY NINETEEN ≈ 0031 1 0039 9 65E5 日			
33F3	20H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY ≈ 0032 2 0030 0 65E5 日			
33F4	21H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-ONE ≈ 0032 2 0031 1 65E5 日			
33F5	22H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-TWO ≈ 0032 2 0032 2 65E5 日			
33F6	23H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-THREE ≈ 0032 2 0033 3 65E5 日			
33F7	24H	IDEOGRAPHIC TELEGRAPH SYMBOL FOR DAY TWENTY-FOUR ≈ 0032 2 0034 4 65E5 日			