

## C0 Controls and Basic Latin

**Range: 0000–007F**

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 17.0*.

This file may be changed at any time without notice to reflect errata, or other updates to the Unicode Standard.

*See <https://www.unicode.org/errata/> for an up-to-date list of errata.*

See <https://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <https://www.unicode.org/charts/PDF/Unicode-17.0/> for charts showing only the characters added in Unicode 17.0. See <https://www.unicode.org/Public/17.0.0/charts/> for a complete archived file of character code charts for Unicode 17.0. See <https://www.unicode.org/charts/About.html#Conventions> for conventions used in these code charts, and other general information.

### **Disclaimer**

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 17.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of *The Unicode Standard, Version 17.0*, online at <https://www.unicode.org/versions/Unicode17.0.0/>, as well as the Unicode Standard Annexes, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

*See <https://www.unicode.org/ucd/> and <https://www.unicode.org/reports/>*

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

### **Fonts**

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts.

*See <https://www.unicode.org/charts/fonts.html> for a list.*

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	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	+	; 003B	K 004B	[ 005B	k 006B	{ 007B
C	[FF] 000C	[FS] 001C	,	< 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	<b>[NUL]</b>	<control>	= NULL
0001	<b>[SOH]</b>	<control>	= START OF HEADING
0002	<b>[STX]</b>	<control>	= START OF TEXT
0003	<b>[ETX]</b>	<control>	= END OF TEXT
0004	<b>[EOT]</b>	<control>	= END OF TRANSMISSION
0005	<b>[ENO]</b>	<control>	= ENQUIRY
0006	<b>[ACK]</b>	<control>	= ACKNOWLEDGE
0007	<b>[BEL]</b>	<control>	= BELL
0008	<b>[BS]</b>	<control>	= BACKSPACE
0009	<b>[HT]</b>	<control>	= CHARACTER TABULATION = horizontal tabulation (HT) = tab
000A	<b>[LF]</b>	<control>	= LINE FEED (LF) = new line (NL) = end of line (EOL)
000B	<b>[VT]</b>	<control>	= LINE TABULATION = vertical tabulation (VT)
000C	<b>[FF]</b>	<control>	= FORM FEED (FF)
000D	<b>[CR]</b>	<control>	= CARRIAGE RETURN (CR)
000E	<b>[SO]</b>	<control>	= SHIFT OUT • known as LOCKING-SHIFT ONE in 8-bit environments
000F	<b>[SI]</b>	<control>	= SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments
0010	<b>[DLE]</b>	<control>	= DATA LINK ESCAPE
0011	<b>[DC1]</b>	<control>	= DEVICE CONTROL ONE
0012	<b>[DC2]</b>	<control>	= DEVICE CONTROL TWO
0013	<b>[DC3]</b>	<control>	= DEVICE CONTROL THREE
0014	<b>[DC4]</b>	<control>	= DEVICE CONTROL FOUR
0015	<b>[NAK]</b>	<control>	= NEGATIVE ACKNOWLEDGE
0016	<b>[SYN]</b>	<control>	= SYNCHRONOUS IDLE
0017	<b>[ETB]</b>	<control>	= END OF TRANSMISSION BLOCK
0018	<b>[CAN]</b>	<control>	= CANCEL
0019	<b>[EM]</b>	<control>	= END OF MEDIUM

001A	<b>[SUB]</b>	<control>	= SUBSTITUTE → FFFD ↗ replacement character
001B	<b>[ESC]</b>	<control>	= ESCAPE
001C	<b>[FS]</b>	<control>	= INFORMATION SEPARATOR FOUR = file separator (FS)
001D	<b>[GS]</b>	<control>	= INFORMATION SEPARATOR THREE = group separator (GS)
001E	<b>[RS]</b>	<control>	= INFORMATION SEPARATOR TWO = record separator (RS)
001F	<b>[US]</b>	<control>	= INFORMATION SEPARATOR ONE = unit separator (US)

**ASCII punctuation and symbols**

*Based on ISO/IEC 646.*

0020	<b>[SP]</b>	SPACE	<ul style="list-style-type: none"> <li>• sometimes considered a control code</li> <li>• other space characters: 2000 <b>[NO SP]</b> – 200A <b>[H SP]</b></li> </ul> <ul style="list-style-type: none"> <li>→ 00A0 <b>[NB SP]</b> no-break space</li> <li>→ 200B <b>[ZW]</b> zero width space</li> <li>→ 202F <b>[NNB]</b> narrow no-break space</li> <li>→ 2060 <b>[WJ]</b> word joiner</li> <li>→ 2420 <b>[S P]</b> symbol for space</li> <li>→ 2422 <b>b</b> blank symbol</li> <li>→ 2423 <b>l</b> open box</li> <li>→ 3000 <b>[ID SP]</b> ideographic space</li> <li>→ FEFF <b>[BSP]</b> zero width no-break space</li> </ul>
0021	!	EXCLAMATION MARK	<ul style="list-style-type: none"> <li>= factorial</li> <li>= bang</li> <li>→ 00A1 ! inverted exclamation mark</li> <li>→ 01C3 ! latin letter retroflex click</li> <li>→ 203C !! double exclamation mark</li> <li>→ 203D ! interrobang</li> <li>→ 26A0 △ warning sign</li> <li>→ 2757 ! heavy exclamation mark symbol</li> <li>→ 2762 ♩ heavy exclamation mark ornament</li> <li>→ 2E53 ! medieval exclamation mark</li> <li>→ A71D ! modifier letter raised exclamation mark</li> </ul>
0022	"	QUOTATION MARK	<ul style="list-style-type: none"> <li>= double quote</li> <li>• neutral (vertical), used as opening or closing quotation mark</li> <li>• preferred characters in English for paired quotation marks are 201C “ &amp; 201D ”</li> <li>• 05F4 ” is preferred for gershayim when writing Hebrew</li> <li>→ 02BA ” modifier letter double prime</li> <li>→ 02DD „ double acute accent</li> <li>→ 02EE ” modifier letter double apostrophe</li> <li>→ 030B ܶ combining double acute accent</li> <li>→ 030E ܷ combining double vertical line above</li> <li>→ 05F4 ” hebrew punctuation gershayim</li> <li>→ 201C “ left double quotation mark</li> <li>→ 201D ” right double quotation mark</li> <li>→ 2033 ” double prime</li> <li>→ 3003 ” ditto mark</li> </ul>

0023	#	<b>NUMBER SIGN</b>	002A	*	<b>ASTERISK</b>
		= pound sign (weight) = hashtag, hash = crosshatch, octothorpe			= star
		• for denoting musical sharp 266F # is preferred			• can have five or six spokes
		→ 2114 ₯ l b bar symbol			→ 066D ★ arabic five pointed star
		→ 2116 № numero sign			→ 203B ✕ reference mark
		→ 2317 ₩ viewdata square			→ 2042 ✲ asterism
		→ 266F ♯ music sharp sign			→ 204E ✳ low asterisk
		→ 29E3 # equals sign and slanted parallel			→ 2051 ✴ two asterisks aligned vertically
0024	\$	<b>DOLLAR SIGN</b>			→ 20F0 ⓧ combining asterisk above
		= milréis, escudo			→ 2217 * asterisk operator
		• used for many peso currencies in Latin America and elsewhere			→ 26B9 * sextile
		• glyph may have one or two vertical bars			→ 2731 ✲ heavy asterisk
		• other currency symbol characters start at 20A0 ¢			→ A673 ✵ slavonic asterisk
		→ 00A2 ¢ cent sign			→ 1F7B6 ✴ medium six spoked asterisk
		→ 00A4 ¤ currency sign			
		→ 20B1 ¢ peso sign			
		→ 1F4B2 ¢ heavy dollar sign			
0025	%	<b>PERCENT SIGN</b>			
		→ 066A % arabic percent sign			
		→ 2030 %o per mille sign			
		→ 2031 %oo per ten thousand sign			
		→ 2052 % commercial minus sign			
0026	&	<b>AMPERSAND</b>			
		= and			
		• originally derived from a ligature of 'e' and 't'			
		→ 204A ⁊ tironian sign et			
		→ 214B ⁊ turned ampersand			
		→ 1F674 & heavy ampersand ornament			
0027	'	<b>APOSTROPHE</b>	002C	,	<b>COMMA</b>
		= apostrophe-quote (1.0)			= the use as decimal or thousands separator is locale dependent
		= single quote			→ 060C , arabic comma
		= APL quote			→ 066B , arabic decimal separator
		• neutral (vertical) glyph with mixed usage			→ 201A , single low-9 quotation mark
		• 2019 ' is preferred for apostrophe			→ 2E12 hypodiastole
		• preferred characters in English for paired quotation marks are 2018 ' & 2019 '			→ 2E41 , reversed comma
		• 05F3 ' is preferred for geresh when writing Hebrew			→ 2E4C : medieval comma
		→ 02B9 ' modifier letter prime			→ 3001 、 ideographic comma
		→ 02BC ' modifier letter apostrophe	002D	-	<b>HYPHEN-MINUS</b>
		→ 02C8 ' modifier letter vertical line			= hyphen, dash
		→ 0301 ¸ combining acute accent			= minus sign
		→ 030D ¸ combining vertical line above			• used generically for hyphen, minus sign or en dash, all of which have dedicated alternatives
		→ 05F3 ' hebrew punctuation geresh			→ 00AD ☰ soft hyphen
		→ 2018 ' left single quotation mark			→ 02D7 - modifier letter minus sign
		→ 2019 ' right single quotation mark			→ 2010 - hyphen
		→ 2032 ' prime			→ 2011 ☱ non-breaking hyphen
		→ A78C ' latin small letter saltillo			→ 2012 — figure dash
0028	(	<b>LEFT PARENTHESIS</b>			→ 2013 — en dash
		= opening parenthesis (1.0)			→ 2027 · hyphenation point
0029	)	<b>RIGHT PARENTHESIS</b>			→ 2043 ▪ hyphen bullet
		= closing parenthesis (1.0)			→ 2212 – minus sign
		• see discussion on semantics of paired bracketing characters			→ 10191 — roman uncia sign
			002E	.	<b>FULL STOP</b>
					= period, dot, decimal point
					• the use as decimal point is locale dependent
					• may be rendered as a raised decimal point in old style numbers
					→ 00B7 · middle dot
					→ 06D4 . arabic full stop
					→ 2024 . one dot leader
					→ 2026 ... horizontal ellipsis
					→ 2E33 · raised dot
					→ 2E3C . stenographic full stop
					→ 3002 。 ideographic full stop

002F / SOLIDUS  
 = slash, forward slash, virgule  
 → 0338 ⚡ combining long solidus overlay  
 → 2044 / fraction slash  
 → 2215 / division slash  
 → 27CB / mathematical rising diagonal  
 → 29F8 / big solidus  
 → 2E4A / dotted solidus

**ASCII digits**

0030 0 DIGIT ZERO  
 ~ 0030 FE00 ⓪ short diagonal stroke form  
 0031 1 DIGIT ONE  
 0032 2 DIGIT TWO  
 → 01BB ፩ latin letter two with stroke  
 → 218A ፻ turned digit two  
 0033 3 DIGIT THREE  
 → 218B ፻ turned digit three  
 → A7AB ፻ latin capital letter reversed open e  
 0034 4 DIGIT FOUR  
 → A72C ፻ latin capital letter cuatrillo  
 0035 5 DIGIT FIVE  
 → 01BC ៥ latin capital letter tone five  
 0036 6 DIGIT SIX  
 0037 7 DIGIT SEVEN  
 0038 8 DIGIT EIGHT  
 0039 9 DIGIT NINE

**ASCII punctuation**

003A : COLON  
 • also used to denote division or scale; for that mathematical use 2236 : is preferred  
 • in Finnish and Swedish, also used as intra-word punctuation (abbreviation mark)  
 → 02D0 : modifier letter triangular colon  
 → 02F8 : modifier letter raised colon  
 → 0589 : armenian full stop  
 → 05C3 : hebrew punctuation sof pasuq  
 → 1361 : ethiopic wordspace  
 → 1365 : ethiopic colon  
 → 205A : two dot punctuation  
 → 205D : tricolon  
 → 2236 : ratio  
 → A789 : modifier letter colon  
 → FE30 : presentation form for vertical two dot leader  
 003B ; SEMICOLON  
 • this, and not 037E ; , is the preferred character for “Greek question mark”  
 → 037E ; greek question mark  
 → 061B ; arabic semicolon  
 → 204F ; reversed semicolon  
 → 2E35 ; turned semicolon

**ASCII mathematical operators**

*Other mathematical operators start at 2200.*

003C < LESS-THAN SIGN  
 • paired with 003E > for ASCII-based angle bracket markup conventions  
 → 02C2 < modifier letter left arrowhead  
 → 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 ≡  
 → 1400 = canadian syllabics hyphen  
 → 2248 ≈ almost equal to  
 → 2260 ≠ not equal to  
 → 2261 ≡ identical to  
 → 2E40 = double hyphen  
 → 30AO = katakana-hiragana double hyphen  
 → A78A = modifier letter short equals sign  
 → FE66 = small equals sign  
 → 10190 = roman sextans sign  
 → 1F7F0 = heavy equals sign  
 003E > GREATER-THAN SIGN  
 → 02C3 > modifier letter right arrowhead  
 → 203A > single right-pointing angle quotation mark  
 → 232A > right-pointing angle bracket  
 → 27E9 > mathematical right angle bracket  
 → 3009 > right angle bracket

**ASCII punctuation**

003F ? QUESTION MARK  
 → 00BF ؟ inverted question mark  
 → 037E ؟ greek question mark  
 → 061F ؟ arabic question mark  
 → 203D ؟ interrobang  
 → 2047 ؟؟ double question mark  
 → 2753 ؟ black question mark ornament  
 → 2BD1 ظ uncertainty sign  
 → 2E2E ؟ reversed question mark  
 → 2E54 ؟ medieval question mark  
 → FFFD ؟ replacement character  
 0040 @ COMMERCIAL AT  
 = at sign  
 = arroba (old Spanish unit of weight)  
 → 24D0 @ circled latin small letter a

**Uppercase Latin alphabet**

0041 A LATIN CAPITAL LETTER A  
 0042 B LATIN CAPITAL LETTER B  
 → 212C ة script capital b  
 0043 C LATIN CAPITAL LETTER C  
 → 03F9 ئ greek capital lunate sigma symbol  
 → 2102 ئ double-struck capital c  
 → 2103 ئ degree celsius  
 → 212D ئ black-letter capital c  
 → 216D ئ roman numeral one hundred  
 0044 D LATIN CAPITAL LETTER D  
 → 216E ئ roman numeral five hundred  
 0045 E LATIN CAPITAL LETTER E  
 → 0190 ئ latin capital letter open e  
 → 2107 ئ euler constant  
 → 2130 ئ script capital e  
 0046 F LATIN CAPITAL LETTER F  
 → 2109 ئ degree fahrenheit  
 → 2131 ئ script capital f  
 → 2132 ئ turned capital f  
 0047 G LATIN CAPITAL LETTER G  
 0048 H LATIN CAPITAL LETTER H  
 → 210B ئ script capital h  
 → 210C ئ black-letter capital h  
 → 210D ئ double-struck capital h

0049	I	LATIN CAPITAL LETTER I
		• Turkish and Azerbaijani use 0131 İ for lowercase → 0130 İ latin capital letter i with dot above → 2110 Į script capital i → 2111 ȝ black-letter capital i → 2160 I roman numeral one
004A	J	LATIN CAPITAL LETTER J
004B	K	LATIN CAPITAL LETTER K
		→ 212A K kelvin sign
004C	L	LATIN CAPITAL LETTER L
		→ 2112 Ľ script capital l
004D	M	LATIN CAPITAL LETTER M
		→ 2133 Ľ script capital m → 216F M roman numeral one thousand
004E	N	LATIN CAPITAL LETTER N
		→ 2115 N double-struck capital n
004F	O	LATIN CAPITAL LETTER O
0050	P	LATIN CAPITAL LETTER P
		→ 2118 ȝ script capital p → 2119 ߵ double-struck capital p
0051	Q	LATIN CAPITAL LETTER Q
		→ 051A Q cyrillic capital letter qa → 211A ߱ double-struck capital q → 213A ߲ rotated capital q
0052	R	LATIN CAPITAL LETTER R
		→ 211B ܭ script capital r → 211C ܰ 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
		→ 051C ܮ cyrillic capital letter we
0058	X	LATIN CAPITAL LETTER X
		→ 2169 X roman numeral ten
0059	Y	LATIN CAPITAL LETTER Y
005A	Z	LATIN CAPITAL LETTER Z
		→ 2124 ߵ double-struck capital z → 2128 ߳ black-letter capital z

**ASCII punctuation and symbols**

005B	[	LEFT SQUARE BRACKET
		= opening square bracket (1.0)
		• other bracket characters: 27E6 [ – 27EB ] , 2983 { – 2998 } , 3008 < – 301B >
005C	\	REVERSE SOLIDUS
		= backslash → 20E5 ݕ combining reverse solidus overlay → 2216 ݏ set minus → 27CD ݔ mathematical falling diagonal → 29F9 ݖ big reverse solidus
005D	]	RIGHT SQUARE BRACKET
		= closing square bracket (1.0)

005E	^	CIRCUMFLEX ACCENT
		• this is a spacing character • used in ASCII-based representation of exponentiation → 02C4 ^ modifier letter up arrowhead → 02C6 ^ modifier letter circumflex accent → 0302 ߂ combining circumflex accent → 2038 ^ caret → 2227 ^ logical and → 2303 ^ up arrowhead
005F	_	LOW LINE
		= spacing underscore (1.0) • this is a spacing character • joins with adjacent instances of itself → 02CD _ modifier letter low macron → 0331 ߃ combining macron below → 0332 ߄ combining low line → 2017 = double low line → FE2D ߅ combining conjoining macron below
0060	'	GRAVE ACCENT
		= backtick, backquote • this is a spacing character • in some technical contexts functions as opening quote, paired with apostrophe → 00B4 ` acute accent → 02CB ` modifier letter grave accent → 0300 ߁ combining grave accent → 1FEF ` greek varia → 2018 ' left single quotation mark → 2035 ' reversed prime
		<b>Lowercase Latin alphabet</b>
0061	a	LATIN SMALL LETTER A
		→ 0251 ܾ latin small letter alpha
0062	b	LATIN SMALL LETTER B
0063	c	LATIN SMALL LETTER C
		→ 03F2 ܿ greek lunate sigma symbol → 1D04 ܿ latin letter small capital c
0064	d	LATIN SMALL LETTER D
		→ 0501 ܍ cyrillic small letter komi de
0065	e	LATIN SMALL LETTER E
		→ 212E ܎ estimated symbol → 212F ܏ script small e → AB32 ܏ latin small letter blackletter e
0066	f	LATIN SMALL LETTER F
		→ 0192 ܑ latin small letter f with hook → AB35 ܑ latin small letter lenis f
0067	g	LATIN SMALL LETTER G
		→ 0261 ܒ latin small letter script g → 210A ܓ script small g
0068	h	LATIN SMALL LETTER H
		→ 04BB ܚ cyrillic small letter shha → 210E ܚ planck constant
0069	i	LATIN SMALL LETTER I
		• Turkish and Azerbaijani use 0130 İ for uppercase → 0131 ܫ latin small letter dotless i → 2071 ܫ superscript latin small letter i → 1D6A4 ܫ mathematical italic small dotless i
006A	j	LATIN SMALL LETTER J
		→ 0237 ܪ latin small letter dotless j → 03F3 ܪ greek letter yot → 1D6A5 ܪ mathematical italic small dotless j
006B	k	LATIN SMALL LETTER K

006C	I	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 ℶ superscript latin small letter n
006F	o	LATIN SMALL LETTER O
		→ 1D0F o latin letter small capital o
		→ 2134 œ script small o
		→ AB3D œ latin small letter blackletter o
0070	p	LATIN SMALL LETTER P
0071	q	LATIN SMALL LETTER Q
		→ 051B q cyrillic small letter qa
0072	r	LATIN SMALL LETTER R
0073	s	LATIN SMALL LETTER S
		→ 017F ſ latin small letter long s
		→ A731 s latin letter small capital 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
		→ 051D w cyrillic small letter we
		→ 1D21 w latin letter small capital w
0078	x	LATIN SMALL LETTER X
		→ 00D7 × multiplication sign
0079	y	LATIN SMALL LETTER Y
007A	z	LATIN SMALL LETTER Z
		→ 01B6 Ÿ latin small letter z with stroke
		→ 1D22 Ÿ latin letter small capital z

**ASCII punctuation and symbols**

007B	{	LEFT CURLY BRACKET
		= opening curly bracket (1.0)
		= left brace
007C		VERTICAL LINE
		= vertical bar, pipe
		• used in pairs to indicate absolute value
		• also used as an unpaired separator or as a fence
		→ 00A6   broken bar
		→ 01C0   latin letter dental click
		→ 05C0  hebrew punctuation paseq
		→ 0964   devanagari danda
		→ 20D2 ¦ combining long vertical line overlay
		→ 2223   divides
		→ 2758   light vertical bar
007D	}	RIGHT CURLY BRACKET
		= closing curly bracket (1.0)
		= right brace
007E	~	TILDE
		• this is a spacing character
		→ 02C˜ small tilde
		→ 0303 ˜ combining tilde
		→ 0334 ˜ combining tilde overlay
		→ 2053 ~ swung dash
		→ 223C ~ tilde operator
		→ 2E1B ˜ tilde with ring above
		→ 2E2F ˜ vertical tilde
		→ 301C ˜ wave dash
		→ FF5E ˜ fullwidth tilde

**Control character**

007F		<control>
		= DELETE