	000	001	002	003	004	005	006	007
0	[NUL]	DLE 0010	SP	0030	<u>a</u>	P 0050	0060	p
1	(SOH)	DC1	0021	1	A 0041	Q 0051	a 0061	q
2	[STX]	DC2 0012	0022	2	B 0042	R 0052	b	1
3	[ETX]	DC3	# 0023	3	C	S 0053	C	S 0073
4	(EOT)	DC4	\$ 0024	4	0044	T 0054	d	t 0074
5	(ENQ)	0015	%	5	E 0045	U 0055	e	u
6	0006	SYN 0016	& 0026	6	F 0046	V 0056	f	V
7	BEL 0007	ETB 0017	0027	7	G	W 0057	g	W
8	[BS]	(CAN) 0018	0028	8	H 0048	X 0058	h	X 0078
9	HT 0009	E M 0019	0029	9	I	Y 0059	i	y
Α	000A	SUB 001A	*	• • 003A	J 004A	Z 005A	j	Z
В	000B	001B	+	• • • 003B	K	005B	k	{ 007B
С	FF 000C	001C	9 002C	O03C	L 004C	005C	1 006C	007C
D	CR 000D	001D	002D	003D	M 004D] 005D	m 006D	}
E	80 000E	001E	• 002E	> 003E	N 004E	∧ 005E	n 006E	~ 007E
F	SI 000F	001F	002F	? 003F	O 004F	005F	O 006F	DEL 007F

Alias names are those for ISO/IEC 6429:1992. Commonly used alternative aliases are also shown. 000	C0 controls			001A	SUB	<control></control>
Account Acc				001/1	L	
Second					,,	
START OF HAZDING START OF TEXT START OF HAZDING START OF TEXT START	0000	NUL				= ESCAPE
START OF TEXT	0001	зон		001C	FS	
Source S		,				
Control	0002	STX		001D	GS	
SPACE SPAC	0003	ETX				
Control	0000	L		0015	rzn	
Secontrol Sec	0004	ЕОТ		00 IE	HS	
ENOURY Control>	0005	[====]				
Control SACKINOWLEDGE SACKIN purcutation and symbols	0005	ENQ		001F	us	
Control BELL Based on ISO/IEC 646.	0006	ACK				
## SPACE SPACE Sometimes considered a control code SPACE Sometimes considered a control code Som	0007	BEL		ASCII	pun	ctuation and symbols
## BACKSPACE Control>	0007	1555			-	-
0009	8000	вѕ	<control></control>	0020	SP	SPACE
= CHARACTER TABULATION		,,				
borizontal tabulation (HT)	0009	нт				
Tab Provided Heading State Provided Hea						
Control>						
= LINE FEED (LT) = new line (NL) = end of line (EOL) Control> = LINE TABULATION = vertical tabulation (VT) OUDD	000A	LF				
end of line (EOL) Control>						→ 2420 s, symbol for space
000B ✓ control>						
vertical tabulation (VT) vertical tabulation (VT) control> □ FORM FEED (FF) □ CARRIAGE RETURN (CR) □ SHIFT OUT □ known as LOCKING-SHIFT ONE in 8-bit environments □ known as LOCKING-SHIFT ZERO in 8-bit environments Control> □ SHIFT IN □ known as LOCKING-SHIFT ZERO in 8-bit environments □ DATA LINK ESCAPE 0011 □ Cocontrol> □ DEVICE CONTROL ONE □ DEVICE CONTROL THREE 0014 □ Cocontrol> □ DEVICE CONTROL THREE 0015 □ Cocontrol> □ DEVICE CONTROL THREE 0016 □ Cocontrol> □ DEVICE CONTROL THREE 0017 □ Cocontrol> □ DEVICE CONTROL FOUR 0018 □ Cocontrol> □ DEVICE CONTROL THREE 0019 □ SHIFT IN □ known as LOCKING-SHIFT ZERO in 8-bit environments 0010 □ Cocontrol> □ DEVICE CONTROL THREE 0011 □ Cocontrol> □ DEVICE CONTROL THREE 0014 □ Cocontrol> □ DEVICE CONTROL THREE 0015 □ SHIFT IN □ known as LOCKING-SHIFT ZERO in 8-bit environments 0016 □ Cocontrol> □ DEVICE CONTROL THREE 0017 □ Cocontrol> □ DEVICE CONTROL THREE 0018 □ Cocontrol> □ DEVICE CONTROL THREE 0019 □ NEGATIVE ACKNOWLEDGE 0010 □ STRANSMISSION BLOCK 0011 □ Cocontrol> □ SYNCHRONOUS IDLE □ SYNCHRONOUS IDLE □ Cocontrol> □ END OF TRANSMISSION BLOCK 0019 □ Cocontrol> □ Cocontrol> □ Cocontrol> □ SYNCHRONOUS IDLE □ Cocontrol> □ Cocontrol> □ SYNCHRONOUS IDLE □ Cocontrol> □ Cocontrol> □ Cocontrol> □ Cocontrol> □ SYNCHRONOUS IDLE □ Cocontrol> □ Cocontrol> □ Cocontrol> □ Cocontrol> □ Cocontrol> □ SYNCHRONOUS IDLE □ Cocontrol> □ Cocontrol	000B	VТ	<control></control>			
000C ***						
FORM FEED (FF)	0000	FF		0021	!	
= CARRIAGE RETURN (CR) = CARRIAGE RETURN (CR) Control> • SHIFT OUT • known as LOCKING-SHIFT ONE in 8-bit environments • control> • SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments • control> • SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments • control> • DATA LINK ESCAPE O011 • Control> • DEVICE CONTROL ONE • DEVICE CONTROL TWO • Control> • DEVICE CONTROL THREE • Control> • DEVICE CONTROL FOUR • O2BA " modifier letter double prime • DEVICE CONTROL FOUR • O2BA " modifier letter double apostrophe • DEVICE CONTROL FOUR • O2BA " modifier letter double apostrophe • O2BA " mo	0000	12.2.1				
000E SHIFT OUT • known as LOCKING-SHIFT ONE in 8-bit environments 000F Control> • SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments • A71D¹ modifier letter raised exclamation mark ornament • A71D¹ modifier letter raised exclamation mark • A71D¹ modifier letter raised exclamation mark • DEVICE CONTROL ONE • DEVICE CONTROL ONE • DEVICE CONTROL TWO 0013 Control> • DEVICE CONTROL THREE 0014 Control> • DEVICE CONTROL FOUR 0015 Control> • DEVICE CONTROL FOUR 0016 Control> • NEGATIVE ACKNOWLEDGE 0017 Control> • SYNCHRONOUS IDLE • SYNCHRONOUS IDLE • Control> • SYNCHRONOUS IDLE • Control> • SYNCHRONOUS IDLE • Control> • Control> • SYNCHEONOUS IDLE • O2013 I latin letter retroflex click • 2030 I interrobang • Device Coll Marning sign • 2030 I interrobang • Device Coll Marning sign • 26A0 Δ warning sign • 2762 heavy exclamation mark ornament • 2653 f medieval exclamation mark ornament • 2653 f medieval exclamation mark ornament • 2653 f medieval exclamation mark ornament • 2654 I heavy exclamation mark ornament • 2654 I heavy exclamation mark ornament • 2650 Δ warning sign • 2762 heavy exclamation mark ornament • 2654 I heavy exclamation mark ornament • 2010 I heavy exclamation mark ornam	000D	CR				9
SHIFT OUT • known as LOCKING-SHIFT ONE in 8-bit environments • known as LOCKING-SHIFT ONE in 8-bit environments • known as LOCKING-SHIFT ONE in 8-bit environments • control> • SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments • control> • DATA LINK ESCAPE • DEVICE CONTROL ONE • DEVICE CONTROL ONE • DEVICE CONTROL TWO • Control> • DEVICE CONTROL THREE • DEVICE CONTROL THREE • DEVICE CONTROL FOUR • OSF4 " is preferred for gershayim when writing Hebrew • O2DO " double acute accent • O2DD " double acute accent • O3DB " combining double vertical line above • SYNCHRONOUS IDLE • OSF4 " heavy exclamation mark • A710	0000	[22]				
• known as LOCKING-SHIFT ONE in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> Control> SHIFT IN Find Name as LOCKING-SHIFT ZERO in 8-bit environments Control> Control Con	000E	80				
000F SHIFT IN → 2757 \$ heavy exclamation mark symbol 0010 Now Nas LOCKING-SHIFT ZERO in 8-bit environments → 2752 \$ heavy exclamation mark ornament 0010 → 2752 \$ heavy exclamation mark ornament → 2753 \$ heavy exclamation mark ornament → 2752 \$ heavy exclamation mark ornament → 2753 \$ heavy exclamation mark ornament → 2753 \$ heavy exclamation mark ornament → 2752 \$ heavy exclamation mark ornament → 2853 \$ medieval exclamation mark Countrol> = 0000 # modifier letter raised exclamation mark = 00012 * control> = 0000 # modifier letter alouble quotation mark = 0013 * control> = 0000 # modifier letter double aponent or closing quotation mark are 201C * & 201D * operation mark are 201C * & 201D * ope						
= SHIFT IN • known as LOCKING-SHIFT ZERO in 8-bit environments 0010	0005	·				
• known as LOCKING-SHIFT ZERO in 8-bit environments 0010	000F	SI				
environments control> DATA LINK ESCAPE 0011 control> DEVICE CONTROL ONE DEVICE CONTROL TWO 0013 control> DEVICE CONTROL THREE 0014 control> DEVICE CONTROL THREE 0015 modifier letter raised exclamation mark e double quote • neutral (vertical), used as opening or closing quotation mark preferred characters in English for paired quotation marks are 201C " & 201D" • o5F4" is preferred for gershayim when writing Hebrew 0014 control> DEVICE CONTROL THREE 0015 modifier letter double acute accent opening or closing quotation mark are 201C " & 201D" • o5F4" is preferred characters in English for paired quotation marks are 201C " & 201D" • o5F4" modifier letter double prime • o2BA" modifier letter double prime • o2DD" double acute accent • o2EE" modifier letter double apostrophe • o30B combining double acute accent • o5F4" hebrew punctuation gershayim • o5F4" hebrew punctuation gershayim • o201D" right double quotation mark • 201D" right double quotation mark • 2033" double prime • CANCEL • o233" double prime • 2033" ditto mark						→ 2E53 ! medieval exclamation mark
= DATA LINK ESCAPE 0011 ccc ccontrol >			environments			
0011 □ CONTROL ONE □ DEVICE CONTROL ONE □ DEVICE CONTROL ONE □ DEVICE CONTROL TWO □ OSF4 " is preferred for gershayim when writing Hebrew □ O2DD " double acute accent □ O3B oom control □ O3B oom contr	0010	DLE		0022	"	
0012 □ DEVICE CONTROL TWO • preferred characters in English for paired quotation marks are 201C " & 201D" 0013 □ SEVICE CONTROL THREE • 05F4 " is preferred for gershayim when writing Hebrew 0014 □ SEVICE CONTROL THREE → 02BA " modifier letter double prime Hebrew 0015 □ DEVICE CONTROL FOUR → 02DD " double acute accent 0016 □ NEGATIVE ACKNOWLEDGE → 030B © combining double acute accent 0016 □ SYNCHRONOUS IDLE → 030E © combining double vertical line above above been punctuation gershayim 0017 □ SYNCHRONOUS IDLE → 05F4 " hebrew punctuation mark accent been punctuation mark been punctuation mark accent been punct	0011	DC1	<control></control>			• neutral (vertical), used as opening or closing
= DEVICE CONTROL TWO 0013 ccs	0012	DC2				
## DEVICE CONTROL THREE ## O014 Control	0012	11				quotation marks are 201C " & 201D"
0014 □SEM < ccontrol >	0013	DC3				
= DEVICE CONTROL FOUR 0015	0044	677				
0015 MAK <control> → 02EE" modifier letter double apostrophe = NEGATIVE ACKNOWLEDGE → 0308 % combining double acute accent 0016 5990 <control> → 030E % combining double vertical line above = SYNCHRONOUS IDLE → 05F4 " hebrew punctuation gershayim 0017 = END OF TRANSMISSION BLOCK → 201C " left double quotation mark 0018 AM <control> → 2033 " double prime = CANCEL → 3003 " ditto mark 0019 = CANCEL → 3003 " ditto mark</control></control></control>	0014	DC4				
0016 Image: SYNCHRONOUS IDLE → 030E combining double vertical line above 0017 Image: SYNCHRONOUS IDLE → 05F4 line hebrew punctuation gershayim 0017 Image: SYNCHRONOUS IDLE → 201C left double quotation mark → 2010 right double quotation mark → 201D right double prime → 2033 double prime → 3003 ditto mark 0019 Image: SYNCHRONOUS IDLE → 3003 double prime → 2010 right double quotation mark → 2033 double prime → 3003 ditto mark → 3003 line double quotation mark	0015	NAK	<control></control>			→ 02EE" modifier letter double apostrophe
= SYNCHRONOUS IDLE 0017	0016	[ev.]				
0017 □ < control>	0010	SYN				
= END OF TRANSMISSION BLOCK → 201D" right double quotation mark 0018	0017	ЕТВ	<control></control>			→ 201C" left double quotation mark
= CANCEL → 3003 " ditto mark 0019 EM <control></control>	0010	r,				
0019 Em <control></control>	0018	CAN				
	0019	ЕМ				→ JUUJ '' UILLU MAIK
			= END OF MEDIUM			

0023 **NUMBER SIGN** 002A * **ASTERISK** = pound sign (weight) = star= hashtag, hash can have five or six spokes = crosshatch, octothorpe → 066D ★ arabic five pointed star for denoting musical sharp 266F # is preferred → 203B × reference mark → 2114 % Ib bar symbol → 2042 👯 asterism → 2116 **N**o numero sign → 204E * low asterisk → 2317 ‡ viewdata square → 2051 * two asterisks aligned vertically → 266F # music sharp sign → 20F0 * combining asterisk above → 29E3 # equals sign and slanted parallel → 2217 * asterisk operator 0024 \$ DOLLAR SIGN → 26B9 * sextile = milréis, escudo → 2731 ***** heavy asterisk → A673 [‡] slavonic asterisk • used for many peso currencies in Latin America and elsewhere → 1F7B6 * medium six spoked asterisk • glyph may have one or two vertical bars **ASCII** math operator other currency symbol characters start at 002B + PLUS SIGN 20A0 & → 02D6 + modifier letter plus sign \rightarrow 00A2 ¢ cent sign → 2212 – minus sign → 00A4 ¤ currency sign → 20B1 P peso sign → 2795 **+** heavy plus sign → 1F4B2 **\$** heavy dollar sign → 1F7A2 + light greek cross 0025 % PERCENT SIGN → 066A % arabic percent sign **ASCII** punctuation \rightarrow 2030 ‰ per mille sign 002C COMMA → 2031 ‱ per ten thousand sign = the use as decimal or thousands separator is → 2052 % commercial minus sign locale dependent & AMPERSAND 0026 → 060C (arabic comma = and → 066B , arabic decimal separator • originally derived from a ligature of 'e' and 't' \rightarrow 201A, single low-9 quotation mark → 204A 7 tironian sign et → 2E12 hypodiastole → 214B 🎖 turned ampersand → 2E41 . reversed comma → 1F674 & heavy ampersand ornament → 2E4C ? medieval comma 0027 **APOSTROPHE** → 3001 , ideographic comma = apostrophe-quote (1.0) **HYPHEN-MINUS** 002D = single quote = hyphen, dash = APL quote = minus sign neutral (vertical) glyph with mixed usage • used generically for hyphen, minus sign or en • 2019 ' is preferred for apostrophe dash, all of which have dedicated alternatives • preferred characters in English for paired → 00AD SHY soft hyphen quotation marks are 2018 ' & 2019' → 02D7 - modifier letter minus sign • 05F3 ' is preferred for geresh when writing → 2010 - hyphen Hebrew → 2011 non-breaking hyphen → 02B9 ′ modifier letter prime \rightarrow 2012 – figure dash → 02BC' modifier letter apostrophe \rightarrow 2013 – en dash → 02C8 ' modifier letter vertical line → 2027 · hyphenation point → 0301 6 combining acute accent → 2043 • hyphen bullet → 030D of combining vertical line above \rightarrow 2212 - minus sign → 05F3 ' hebrew punctuation geresh → 10191 - roman uncia sign \rightarrow 2018 'left single quotation mark 002E **FULL STOP** → 2019 'right single quotation mark = period, dot, decimal point \rightarrow 2032 ' prime • the use as decimal point is locale dependent → A78C' latin small letter saltillo • may be rendered as a raised decimal point in LEFT PARENTHESIS 0028 old style numbers = opening parenthesis (1.0) → 00B7 · middle dot 0029 **RIGHT PARENTHESIS**) → 06D4 . arabic full stop = closing parenthesis (1.0) \rightarrow 2024 . one dot leader see discussion on semantics of paired → 2026 ... horizontal ellipsis bracketing characters → 2E33 · raised dot → 2E3C * stenographic full stop

→ 3002 o ideographic full stop

002F	/	SOLIDUS	003D	=	EQUALS SIGN	
		= slash, forward slash, virgule			• other related characters: 2241 ~ −2263 ≡	
		\rightarrow 0338 $\not o$ combining long solidus overlay			→ 1400 = canadian syllabics hyphen	
		→ 2044/ fraction slash			→ 2248 ≈ almost equal to	
		→ 2215 / division slash			→ 2260 ≠ not equal to	
		→ 27CB / mathematical rising diagonal			\rightarrow 2261 \equiv identical to	
		→ 29F8 / big solidus			→ 2E40 = double hyphen	
		→ 2E4A / dotted solidus			→ 30A0 = katakana-hiragana double hyphen	
					\rightarrow A78A = modifier letter short equals sign	
ASCII	digi	ts			→ FE66 = small equals sign	
0030	0	DIGIT ZERO			\rightarrow 10190 = roman sextans sign	
		~ 0030 FE00 Ø short diagonal stroke form			9	
0031	1	DIGIT ONE	003E	_	→ 1F7F0 = heavy equals sign	
0032	2	DIGIT TWO	003E	>	GREATER-THAN SIGN	
		\rightarrow 01BB 2 latin letter two with stroke			→ 02C3 > modifier letter right arrowhead	
		\rightarrow 218A \overline{c} turned digit two			→ 203A > single right-pointing angle quotation	
0033	3	DIGIT THREE			mark	
		$ ightarrow$ 218B $\mathfrak E$ turned digit three			→ 232A \ right-pointing angle bracket	
		→ A7AB 3 latin capital letter reversed open e			→ 27E9 \ mathematical right angle bracket	
0034	4	DIGIT FOUR			→ 3009 〉 right angle bracket	
0001	•	→ A72C 4 latin capital letter cuatrillo	ASCII	pun	ctuation	
0035	5	DIGIT FIVE	003F	?	OUESTION MARK	
0000	_	\rightarrow 01BC 5 latin capital letter tone five			\rightarrow 00BF $\dot{\epsilon}$ inverted question mark	
0036	6	DIGIT SIX			→ 037E; greek question mark	
0037	7	DIGIT SEVEN			→ 061F ? arabic question mark	
0038	8	DIGIT SEVEN			→ 203D ? interrobang	
0030	9	DIGIT NINE			→ 2047 ?? double question mark	
	-				→ 2753 ? black question mark ornament	
ASCII	pun	ctuation			→ 2BD1 � uncertainty sign	
003A	:	COLON			→ 2E2E ? reversed question mark	
		• also used to denote division or scale; for that			→ 2E54 : medieval question mark	
		mathematical use 2236: is preferred			→ FFFD • replacement character	
		• in Finnish and Swedish, also used as intra-word	0040	@	COMMERCIAL AT	
		punctation (abbreviation mark)		C	= at sign	
		→ 02D0: modifier letter triangular colon			= arroba (old Spanish unit of weight)	
		→ 02F8 : modifier letter raised colon			→ 24D0 ⓐ circled latin small letter a	
	\rightarrow 0589 : armenian full stop		Uppercase Latin alphabet			
		→ 05C3: hebrew punctuation sof pasuq				
		→ 1361 : ethiopic wordspace	0041		LATIN CAPITAL LETTER A	
		→ 1365 : ethiopic colon	0042	В	LATIN CAPITAL LETTER B	
		→ 205A . two dot punctuation		~	\rightarrow 212C \mathscr{B} script capital b	
		→ 205D: tricolon	0043	C	LATIN CAPITAL LETTER C	
		→ 2236: ratio			→ 03F9 C greek capital lunate sigma symbol	
		→ A789: modifier letter colon			→ 2102 C double-struck capital c	
		→ FE30 : presentation form for vertical two				
					→ 2103 °C degree celsius	
003B		dot leader			→ 212D © black-letter capital c	
	;	dot leader SEMICOLON			→ 212D © black-letter capital c → 216D C roman numeral one hundred	
	;	dot leader SEMICOLON • this, and not 037E;, is the preferred character	0044	D	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D	
	;	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark'		D	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred	
	;	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark	0044 0045	D E	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E	
	;	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B			→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e	
	;	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B			→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant	
	;	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B			→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e	
ASCII	; mat	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B			→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F	
		dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045	E	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045	E	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 \$\mathcal{F}\$ script capital f	
	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045	E	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 9 script capital f → 2132 H turned capital f	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045	E	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 \$\mathcal{F}\$ script capital f	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045	E	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 F script capital f LATIN CAPITAL LETTER G LATIN CAPITAL LETTER G LATIN CAPITAL LETTER H	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045 0046 0047	E F G	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 F script capital f LATIN CAPITAL LETTER G LATIN CAPITAL LETTER G LATIN CAPITAL LETTER H → 2108 H script capital h	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045 0046 0047	E F G	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 F script capital f LATIN CAPITAL LETTER G LATIN CAPITAL LETTER G LATIN CAPITAL LETTER H → 210B 8 script capital h → 210C 5 black-letter capital h	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045 0046 0047	E F G	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 F script capital f LATIN CAPITAL LETTER G LATIN CAPITAL LETTER G LATIN CAPITAL LETTER H → 2108 H script capital h	
Other	mati	dot leader 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 thematical operators hematical operators start at 2200. 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	0045 0046 0047	E F G	→ 212D © black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 E latin capital letter open e → 2107 E euler constant → 2130 8 script capital e LATIN CAPITAL LETTER F → 2109 ° F degree fahrenheit → 2131 F script capital f LATIN CAPITAL LETTER G LATIN CAPITAL LETTER G LATIN CAPITAL LETTER H → 210B 8 script capital h → 210C 5 black-letter capital h	
Other	mati	dot leader SEMICOLON • this, and not 037E;, is the preferred character for 'Greek question mark' → 037E; greek question mark → 061B	0045 0046 0047	E F G	→ 212D ⓒ black-letter capital c → 216D C roman numeral one hundred LATIN CAPITAL LETTER D → 216E D roman numeral five hundred LATIN CAPITAL LETTER E → 0190 ⓒ latin capital letter open e → 2107 ⓒ euler constant → 2130 ể script capital e LATIN CAPITAL LETTER F → 2109 ℉ degree fahrenheit → 2131 ℱ script capital f LATIN CAPITAL LETTER G LATIN CAPITAL LETTER G LATIN CAPITAL LETTER H → 2108 ℋ script capital h → 210C ℌ black-letter capital h	

0049	I	• Turkish and Azerbaijani use 0131 1 for lowercase → 0130 İ latin capital letter i with dot above → 2110 𝒯 script capital i → 2111 𝔞 black-letter capital i → 2160 İ roman numeral one	005E	۸	 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 ô combining circumflex accent
004A 004B	J K	LATIN CAPITAL LETTER J LATIN CAPITAL LETTER K			→ 2038 _A caret → 2227 A logical and
004C	L	→ 212A K kelvin sign LATIN CAPITAL LETTER L	005F	_	→ 2303 ^ up arrowhead LOW LINE
004D	M	→ 2112 ℒ script capital l LATIN CAPITAL LETTER M			= spacing underscore (1.0)• this is a spacing character
004D	IVI	\rightarrow 2133 \mathcal{M} script capital m			• joins with adjacent instances of itself
		ightarrow 216F M roman numeral one thousand			→ 02CD _ modifier letter low macron
004E	N	LATIN CAPITAL LETTER N → 2115 N double-struck capital n			→ 0331 o combining macron below → 0332 o combining low line
004F	O	LATIN CAPITAL LETTER O			\rightarrow 2017 _ double low line
0050		LATIN CAPITAL LETTER P	2222		→ FE2D o combining conjoining macron below
		→ 2118 % script capital p	0060	•	GRAVE ACCENT = backtick, backquote
0051	Q	→ 2119 P double-struck capital p LATIN CAPITAL LETTER Q			• this is a spacing character
0001	Q	→ 051A Q cyrillic capital letter qa			• in some technical contexts functions as
		\rightarrow 211A Q double-struck capital q			opening quote, paired with apostrophe → 00B4 ´ acute accent
0050	D	→ 213A ♥ rotated capital q			→ 02CB `modifier letter grave accent
0052	R	LATIN CAPITAL LETTER R → 211B ℜ script capital r			→ 0300 combining grave accent
		\rightarrow 211C \Re black-letter capital r			→ 1FEF ` greek varia
		\rightarrow 211D \mathbb{R} double-struck capital r			→ 2018 ' left single quotation mark → 2035 ' reversed prime
0053 0054	S T	LATIN CAPITAL LETTER S LATIN CAPITAL LETTER T	Lowe	rcas	e Latin alphabet
0055	Ü	LATIN CAPITAL LETTER U	0061	a	LATIN SMALL LETTER A
0056	V	LATIN CAPITAL LETTER V			ightarrow 0251 $lpha$ latin small letter alpha
0057	***	→ 2164 V roman numeral five	0062	b	LATIN SMALL LETTER B
0057	W	LATIN CAPITAL LETTER W → 051C W cyrillic capital letter we	0063	c	LATIN SMALL LETTER C → 03F2 c greek lunate sigma symbol
0058	X	LATIN CAPITAL LETTER X			→ 1D04 c latin letter small capital c
		ightarrow 2169 X roman numeral ten	0064	d	LATIN SMALL LETTER D
0059	Y	LATIN CAPITAL LETTER Y	0065	•	→ 0501 d cyrillic small letter komi de LATIN SMALL LETTER E
005A	Z	LATIN CAPITAL LETTER Z → 2124 Z double-struck capital z	0005	e	→ 212E € estimated symbol
		→ 2128 3 black-letter capital z			→ 212F € script small e
ASCII	pun	ctuation and symbols	0000	C	\rightarrow AB32 \mathfrak{e} latin small letter blackletter e
005B	[LEFT SQUARE BRACKET	0066	f	LATIN SMALL LETTER F \rightarrow 0192 f latin small letter f with hook
		= opening square bracket (1.0)			\rightarrow AB35 f latin small letter lenis f
		• other bracket characters: 27E6 〖 −27EB », 2983 〖 −2998), 3008 〈 −301B 〗	0067	g	LATIN SMALL LETTER G
005C	\	REVERSE SOLIDUS			 → 0261 g latin small letter script g → 210A q script small g
		= backslash	0068	h	LATIN SMALL LETTER H
		→ 20E5 \ combining reverse solidus overlay → 2216 \ set minus			ightarrow 04BB h cyrillic small letter shha
		→ 27CD \ mathematical falling diagonal	0000		\rightarrow 210E h planck constant
0050	1	→ 29F9 \ big reverse solidus	0069	i	• Turkish and Azerbaijani use 0130 Å for
005D	J	RIGHT SQUARE BRACKET = closing square bracket (1.0)			uppercase → 0131 1 latin small letter dotless i
					→ 2071 'superscript latin small letter i
			0004		\rightarrow 1D6A4 ι mathematical italic small dotless i
			006A	J	LATIN SMALL LETTER J → 0237 J latin small letter dotless j
					\rightarrow 03F3 \mathbf{j} greek letter yot
			0000	1	\rightarrow 1D6A5 j mathematical italic small dotless j
			006B	k	LATIN SMALL LETTER K

```
006C
       1
            LATIN SMALL LETTER L
            \rightarrow 2113 \ell script small I
             \rightarrow 1D4C1 \ell mathematical script small I
006D
       m LATIN SMALL LETTER M
006E
            LATIN SMALL LETTER N
            \rightarrow 207F <sup>n</sup> superscript latin small letter n
006F
            LATIN SMALL LETTER O
            \rightarrow 1D0F o latin letter small capital o
            \rightarrow 2134 \alpha script small o
             → AB3D o latin small letter blackletter o
0070
            LATIN SMALL LETTER P
            LATIN SMALL LETTER Q
0071
            \rightarrow 051B q cyrillic small letter qa
0072
            LATIN SMALL LETTER R
        r
0073
            LATIN SMALL LETTER S
        S
            \rightarrow 017F f latin small letter long s
            \rightarrow 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

ightarrow 051D w cyrillic small letter we
            \rightarrow 1D21 w latin letter small capital w
0078
       x LATIN SMALL LETTER X
            → 00D7 × multiplication sign
       y LATIN SMALL LETTER Y
0079
007A
       z LATIN SMALL LETTER Z
            \rightarrow 01B6 z latin small letter z with stroke
            \rightarrow 1D22 z latin letter small capital z
ASCII punctuation and symbols
007B
            LEFT CURLY BRACKET
            = opening curly bracket (1.0)
            = left brace
007C
       I 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
            → 05C01 hebrew punctuation paseg
            → 0964 I devanagari danda
            → 20D2 ¢ combining long vertical line overlay
            → 2223 | divides
             → 2758 l light vertical bar
007D
            RIGHT CURLY BRACKET
            = closing curly bracket (1.0)
            = right brace
007E ~ TILDE
            • this is a spacing character
            → 02DC ~ small tilde
            \rightarrow 0303 \tilde{\circ} combining tilde
            → 0334 @ combining tilde overlay
            \rightarrow 2053 \sim swung dash
            → 223C ~ tilde operator
            \rightarrow 2E1B \approx tilde with ring above
            → 2E2F ' vertical tilde

ightarrow 301C \sim wave dash
             \rightarrow FF5E \sim fullwidth tilde
Control character
007F DEL <control>
```

= DFI FTF