# **Letterlike Symbols**

Range: 2100-214F

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 12.1* 

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard. See http://www.unicode.org/errata/ for an up-to-date list of errata.

See http://www.unicode.org/charts/ for access to a complete list of the latest character code charts.

See http://www.unicode.org/charts/PDF/Unicode-12.1/ for charts showing only the characters added in Unicode 12.1.

See http://www.unicode.org/Public/12.1.0/charts/ for a complete archived file of character code charts for Unicode 12.1.

### Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 12.1 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 12.1, online at http://www.unicode.org/versions/Unicode12.1.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See http://www.unicode.org/ucd/ and http://www.unicode.org/reports/

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

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See http://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.

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	210	211	212	213	214
0	<i>a</i> / <sub>c</sub>	<b>J</b> 2110	SM 2120	<b>E</b> 2130	2140
1	<i>a</i> / <sub>S</sub>	<b>3</b>	TEL 2121	<b>F</b>	<b>5</b>
2	2102	£ 2112	TM	<u>H</u>	2142
3	°C	$\ell$	2123	M 2133	2143
4	<b>4</b>	2113 <b>£</b> 2114	2124	<b>O</b> - 2134	<b></b>
5	C/O 2105	N	<b>3</b> 2125	×	$\mathbb{D}$
6	C/U 2106	2115 <b>No</b> 2116	<u>Q</u>	2135	2145
7	3	P	$\Omega$	ℷ	e
8	2107 <b>Э</b>	2117 <b>60</b> 2118	2127 <b>3</b> 2128	2137	2147
9	oF 2109	2119	2129	2138 <b>1</b> 2139	2148 
Α	<b>L</b> 2103	211A	<b>K</b>	213A	<b>1</b> 214A
В	H 210B	<b>R</b> 211B	Å	FAX 213B	274A 214B
С	<b>5</b>	<b>R</b>	$\mathscr{B}$	213C	$\mathbb{H}$
D	Н	$\mathbb{R}$	2120	8	214C A/S
Ε	210D  h	211D <b>R</b>	212D	213D	214D <b>H</b>
F	210E	211E	212E <b>C</b> 212F	213E	214E  214F

#### Letterlike symbols 2113 $\ell$ SCRIPT SMALL L = mathematical symbol 'ell' Some of the letterlike symbols are intended to complete the = liter (traditional symbol) set of mathematical alphanumeric symbols starting at • despite its character name, this symbol is 1D400. derived from a special italicized version of the 2100 $a_{c}$ **ACCOUNT OF** small letter I $\approx 0061 \text{ a } 002\text{F} / 0063 \text{ c}$ the SI recommended symbol for liter is 006C l 2101 $a_s$ ADDRESSED TO THE SUBJECT or 004C L→ 214D <sup>A</sup>/s aktieselskab ightarrow 1D4C1 $\ell$ mathematical script small I $\approx 0061 \text{ a } 002\text{F} / 0073 \text{ s}$ ≈ <font> 006C l latin small letter l 2102 $\mathbb{C}$ DOUBLE-STRUCK CAPITAL C 2114 Т L B BAR SYMBOL = the set of complex numbers = pounds pprox <font> 0043 $\mathbf C$ latin capital letter $\mathbf c$ $\rightarrow$ 0023 # number sign °C DEGREE CELSIUS 2103 2115 DOUBLE-STRUCK CAPITAL N = degrees Centigrade = natural number $\approx$ 00B0 $^{\circ}$ 0043 $^{\circ}$ a glyph variant with doubled vertical strokes 2104 CENTRE LINE SYMBOL = clone $\approx$ <font> 004E N latin capital letter n % 2105 CARE OF 2116 № NUMERO SIGN $\approx$ 0063 c 002F / 006F o $\rightarrow$ 0023 # number sign 2106 c/u CADA UNA → 00BA <sup>o</sup> masculine ordinal indicator • Spanish for "each one" $\approx$ 004E N 006F o $\approx$ 0063 c 002F / 0075 u SOUND RECORDING COPYRIGHT 2117 2107 **EULER CONSTANT** = published = phonorecord sign $\rightarrow$ 0045 E latin capital letter e → 00A9 © copyright sign $\approx$ 0190 $\varepsilon$ latin capital letter open e → 24C5 (P) circled latin capital letter p 2108 Э **SCRUPLE** 2118 SCRIPT CAPITAL P 2109 °F DEGREE FAHRENHEIT **\*** WEIERSTRASS ELLIPTIC FUNCTION $\approx$ 00B0 ° 0046 F• actually this has the form of a lowercase 210A SCRIPT SMALL G calligraphic p, despite its name = real number symbol 2119 DOUBLE-STRUCK CAPITAL P $\approx$ <font> 0067 g latin small letter g 210B # SCRIPT CAPITAL H $\approx$ <font> 0050 P latin capital letter p DOUBLE-STRUCK CAPITAL Q $\mathbb{Q}$ = Hamiltonian operator 211A = the set of rational numbers ≈ <font> 0048 H latin capital letter h $\approx$ <font> 0051 **Q** latin capital letter q 210C 5 BLACK-LETTER CAPITAL H 211B R SCRIPT CAPITAL R = Hilbert space = Riemann Integral $\approx$ <font> 0048 H latin capital letter h ≈ <font> 0052 R latin capital letter r 210D H DOUBLE-STRUCK CAPITAL H 211C ℜ BLACK-LETTER CAPITAL R $\approx$ <font> 0048 H latin capital letter h = real part 210E h PLANCK CONSTANT $\approx$ <font> 0052 $\mathbf{R}$ latin capital letter $\mathbf{r}$ = height, specific enthalpy, ... 211D DOUBLE-STRUCK CAPITAL R • simply a mathematical italic h; this character's name results from legacy usage = the set of real numbers ≈ <font> 0052 R latin capital letter r $\approx$ <font> 0068 h latin small letter h ħ PLANCK CONSTANT OVER TWO PI 211E R PRESCRIPTION TAKE 210F = reduced Planck constant, Dirac constant = recipe = cross ratio $\rightarrow$ 045B $\hbar$ cyrillic small letter tshe Ř 211F **RESPONSE** $\approx$ <font> 0127 $\hbar$ latin small letter h with stroke 2120 SM SERVICE MARK 2110 ${\mathscr I}$ SCRIPT CAPITAL I $\approx$ <super> 0053 S 004D M ≈ <font> 0049 I latin capital letter i 2121 Tel Telephone sign 2111 $\mathfrak{F}$ BLACK-LETTER CAPITAL I typical forms for this symbol may use = imaginary part lówercase, small caps or superscripted letter ≈ <font> 0049 I latin capital letter i 2112 £ SCRIPT CAPITAL L → 260E 🏗 black telephone = Laplace transform → 2706 **②** telephone location sign $\approx$ <font> 004C $L\,$ latin capital letter I → 1F4DE **C** telephone receiver $\approx$ 0054 T 0045 $\dot{E}$ 004C L TM TRADE MARK SIGN 2122 → 1F12E ® circled wz $\approx$ <super> 0054 T 004D M 2123 ▼ VERSICLE

2124	$\mathbb{Z}$	DOUBLE-STRUCK CAPITAL Z = the set of integers	2134	0	SCRIPT SMALL O = order, of inferior order to
2125	3	$pprox$ <font> 005A <math>{f Z}</math> latin capital letter z OUNCE SIGN</font>	pprox <font> 006F <math>o</math> latin small letter o</font>		
2123	5	→ 0292 3 latin small letter ezh	Hebr	ew le	etterlike math symbols
		$\rightarrow$ 1F773 $3^{\circ}$ alchemical symbol for half ounce	These	are le	eft-to-right characters.
2126	Ω	OHM SIGN	2135	×	ALEF SYMBOL
2120	20	• SI unit of resistance, named after G. S. Ohm,			= first transfinite cardinal (countable)
		German physicist			$\approx$ 05D0 <b>X</b> hebrew letter alef
		$ullet$ preferred representation is 03A9 $oldsymbol{\Omega}$	2136	ב	BET SYMBOL
		$\rightarrow$ 260A $\Omega$ ascending node			= second transfinite cardinal (the continuum)
		$\equiv$ 03A9 $\Omega$ greek capital letter omega	2137	,	≈ 05D1 → hebrew letter bet GIMEL SYMBOL
2127	$\Omega$	INVERTED OHM SIGN	2131	٦	= third transfinite cardinal (functions of a real
		= mho			variable)
		<ul> <li>archaic unit of conductance (= the SI unit siemens)</li> </ul>			≈ 05D2 <b>1</b> hebrew letter gimel
		• typographically a turned greek capital letter	2138	7	DALET SYMBOL
		omega			= fourth transfinite cardinal
		→ 01B1 <b>U</b> latin capital letter upsilon			≈ 05D3 <b>7</b> hebrew letter dalet
		$ ightarrow$ 03A9 $\Omega$ greek capital letter omega	Addit	tiona	ıl letterlike symbols
		→ 260B 🖰 descending node	2139	i	INFORMATION SOURCE
2128	3	BLACK-LETTER CAPITAL Z			• intended for use with 20DD
0400		≈ <font> 005A Z latin capital letter z</font>			$\rightarrow$ 1F6C8 ① circled information source
2129	1	TURNED GREEK SMALL LETTER IOTA			pprox <font> 0069 <math>i</math> latin small letter i</font>
		<ul> <li>unique element fulfilling a description (logic)</li> <li>→ 03B9 t greek small letter iota</li> </ul>	213A	$\circ$	ROTATED CAPITAL Q
212A	K	KELVIN SIGN	0400	г	a binding signature mark
ZIZA	17	≡ 004B <b>K</b> latin capital letter k	213B	ľAX	FACSIMILE SIGN
212B	Å	ANGSTROM SIGN			<ul> <li>typical forms for this symbol may use lowercase, small caps or superscripted letter</li> </ul>
		• non SI length unit (=0.1 nm) named after A. J.			shapes
		Ångström, Swedish physicist			→ 2121 TeL telephone sign
		• preferred representation is 00C5 Å			→ 1F4E0 / fax machine
0400	~	$\equiv$ 00C5 Å latin capital letter a with ring above			$\approx 0046  \text{F}  0041  \text{A}  0058  \text{X}$
212C	$\mathscr{B}$	SCRIPT CAPITAL B = Bernoulli function	213C	TT	DOUBLE-STRUCK SMALL PI
		$\approx$ <font> 0042 <b>B</b> latin capital letter b</font>	213D		$pprox$ <font> 03C0 <math>\pi</math> greek small letter pi DOUBLE-STRUCK SMALL GAMMA</font>
212D	C	BLACK-LETTER CAPITAL C	2130	X	$\approx$ <font> 03B3 <math>\gamma</math> greek small letter gamma</font>
		≈ <font> 0043 C latin capital letter c</font>	213E	Г	DOUBLE-STRUCK CAPITAL GAMMA
212E	е	ESTIMATED SYMBOL		-	$\approx$ <font> 0393 <math>\Gamma</math> greek capital letter gamma</font>
		<ul> <li>used in European packaging</li> </ul>	213F	П	DOUBLE-STRUCK CAPITAL PI
		ightarrow 0065 <b>e</b> latin small letter e			≈ <font> 03A0 ∏ greek capital letter pi</font>
212F	e	SCRIPT SMALL E	Doub	le-st	ruck large operator
		= error			DOUBLE-STRUCK N-ARY SUMMATION
		= natural exponent ≈ <font> 0065 e latin small letter e</font>	21.10	<u>//_</u>	$\approx$ <font> 2211 <math>\sum</math> n-ary summation</font>
2130	E	SCRIPT CAPITAL E	Δddi	liona	Il letterlike symbols
		= emf (electromotive force)	2141	D	TURNED SANS-SERIF CAPITAL G
		pprox <font> 0045 <math>E</math> latin capital letter e</font>	2141	5	= game
2131	${\mathscr F}$	SCRIPT CAPITAL F	2142	٦	TURNED SANS-SERIF CAPITAL L
		= Fourier transform	2143	L	REVERSED SANS-SERIF CAPITAL L
0420	Ь	≈ <font> 0046 F latin capital letter f</font>	2144	A	TURNED SANS-SERIF CAPITAL Y
2132	д	TURNED CAPITAL F = Claudian digamma inversum	Doub	le-st	ruck italic math symbols
		• lowercase is 214E #			red mathematical symbols are used in some
		→ 0046 F latin capital letter f	documents to distinguish special mathematical usag		
		→ 03DC F greek letter digamma			ariables.
2133	$\mathcal{M}$	SCRIPT CAPITAL M	2145		DOUBLE-STRUCK ITALIC CAPITAL D
		= M-matrix (physics)			• sometimes used for the differential
		= German Mark currency symbol, before WWII			$\approx\!$ <font> 0044 <math display="inline">D</math> latin capital letter d</font>
		<ul> <li>when used for the Mark symbol, the range of glyph variation is restricted</li> </ul>	2146	d	DOUBLE-STRUCK ITALIC SMALL D
		→ 20BB \(\varphi\) nordic mark sign			• sometimes used for the differential
		$\approx$ <font> 004D <b>M</b> latin capital letter m</font>			pprox <font> 0064 <math>d</math> latin small letter <math>d</math></font>
		·			

- - sometimes used for the imaginary unit  $\approx$  <font> 006A j latin small letter j

### **Additional letterlike symbols**

- 214A № PROPERTY LINE
- 214B 😵 TURNED AMPERSAND
  - used in linear logic
  - $\rightarrow$  0026 & ampersand
- 214C ₩ PER SIGN
  - abbreviates the word 'per'
- 214D <sup>A</sup>/s AKTIESELSKAB
  - $\rightarrow$  2101 % addressed to the subject

### **Lowercase Claudian letter**

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

- 214E 4 TURNED SMALL F
  - uppercase is 2132 **H**
  - → 03DD **F** greek small letter digamma

## **Biblical editorial symbol**

214F \*\*\* SYMBOL FOR SAMARITAN SOURCE