Letterlike Symbols

Range: 2100-214F

The Unicode Standard, Version 15.1

This file contains a excerpt from the character code tables and list of character names for *The Unicode Standard, Version 15.1*

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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-15.1/ for charts showing only the characters added in Unicode 15.1.
See https://www.unicode.org/Public/15.1.0/charts/ for a complete archived file of character code charts for Unicode 15.1.
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 15.1 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 15.1, online at https://www.unicode.org/versions/Unicode15.1.0/, 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 https://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 https://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.

See https://www.unicode.org/charts/About.html for more information concerning the conventions and symbols used in these code charts.

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	210	211	212	213	214
0	<i>a</i> / _c	<i>J</i>	SM 2120	E 2130	2140
1	<i>a</i> / _S	3	TEL 2121	F 2131	5
2	2102	£ 2112	TM	<u>H</u>	2142
3	°C	ℓ	Ÿ	\mathcal{M}	J
4	2103 4 2104	2113 4 2114	2123	2133 <i>O</i> 2134	2143 人 2144
5	C/O 2105	2115	3 2125	2135	2145
6	C/U 2106	No 2116	<u>Ω</u>	2136	2146
7	E 2107	P 2117	75	2137	@
8	2108	60 2118	3	7 2138	 2148
9	°F	2119	2129	1 2139	
Α	G 210A	211A	K	213A	†
В	H 210B	R 211B	Å 212B	FAX 213B	2 37
С	5	R	B 212C	11C 213C	214C
D	2100	R 211D	212D	213D	A/S 214D
E	<i>h</i>	R	212E	213E	H 214E
F	ħ	211F	<i>e</i>	213F	999 214F

Letter	like	symbols	2113	ℓ	SCRIPT SMALL L
Some	of the	letterlike symbols are intended to complete the			= mathematical symbol 'ell'
		ematical alphanumeric symbols starting at			= liter (traditional symbol)
1D400		, ,			• despite its character name, this symbol is
2100	$a_{\!\!/\!\!c}$	ACCOUNT OF			derived from a special italicized version of the small letter I
		\approx 0061 a 002F / 0063 c			• the SI recommended symbol for liter is 006C 1
2101	a_s	ADDRESSED TO THE SUBJECT			or 004C L
		= aux soins (de)			\rightarrow 1D4C1 ℓ mathematical script small I
		→ 214D ^A /s aktieselskab			\approx 006C 1 latin small letter l
		\approx 0061 a 002F / 0073 s	2114	F	L B BAR SYMBOL
2102	\mathbb{C}	DOUBLE-STRUCK CAPITAL C			= pounds
		= the set of complex numbers			→ 0023 # number sign
		≈ 0043 C latin capital letter c	2115	N	DOUBLE-STRUCK CAPITAL N
2103	°C	DEGREE CELSIUS			= natural number
		= degrees centigrade			• a glyph variant with doubled vertical strokes
0.40.4		≈ 00B0 ° 0043 C			exists
2104	¢	CENTRE LINE SYMBOL			pprox 004E N latin capital letter n
0405	C/	= clone	2116	Nº	NUMERO SIGN
2105	%	CARE OF			→ 0023 # number sign
0400	C/	≈ 0063 c 002F / 006F o			→ 00BA ^o masculine ordinal indicator
2106	⁹ u	CADA UNA			pprox 004E N 006F o
		• Spanish for "each one"	2117	P	SOUND RECORDING COPYRIGHT
0407	C	≈ 0063 c 002F / 0075 u			= published
2107	3	EULER CONSTANT			= phonorecord sign
		→ 0045 E latin capital letter e			→ 00A9 © copyright sign
2100	73	≈ 0190 € latin capital letter open e	2118	6 -	→ 24C5 (P) circled latin capital letter p
2108		SCRUPLE DECREE FALIRENTIES	2110	େ	SCRIPT CAPITAL P
2109	°F	DEGREE FAHRENHEIT			* WEIERSTRASS ELLIPTIC FUNCTION
2104		≈ 00B0 ° 0046 F			 actually this has the form of a lowercase calligraphic p, despite its name
210A	${\mathcal Q}$	SCRIPT SMALL G	2119	P	DOUBLE-STRUCK CAPITAL P
		= real number symbol \approx 0067 g latin small letter g	2113	ш	\approx 0050 P latin capital letter p
210B	H	SCRIPT CAPITAL H	211A	0	DOUBLE-STRUCK CAPITAL Q
2100	n	= Hamiltonian operator	211/1	W	= the set of rational numbers
		\sim 210B FE00 ${\cal H}$ chancery style			\approx 0051 Q latin capital letter q
		\sim 210B FE01 \mathscr{H} roundhand style	211B	R	SCRIPT CAPITAL R
		\approx 0048 H latin capital letter h			= Riemann Integral
210C	5	BLACK-LETTER CAPITAL H			\sim 211B FE00 $\mathcal R$ chancery style
	~	= Hilbert space			~ 211B FE01 ℛ roundhand style
		≈ 0048 H latin capital letter h			≈ 0052 R latin capital letter r
210D	Н	DOUBLE-STRUCK CAPITAL H	211C	\mathfrak{R}	BLACK-LETTER CAPITAL R
		≈ 0048 H latin capital letter h			= real part
210E	h	PLANCK CONSTANT			$pprox$ 0052 ${f R}$ latin capital letter ${f r}$
		= height, specific enthalpy,	211D	\mathbb{R}	DOUBLE-STRUCK CAPITAL R
		• simply a mathematical italic h; this character's			= the set of real numbers
		namé results from legacy usage		ъ	\approx 0052 \mathbf{R} latin capital letter r
0405		≈ 0068 h latin small letter h	211E	R	PRESCRIPTION TAKE
210F	ħ	PLANCK CONSTANT OVER TWO PI			= recipe
		= reduced Planck constant, Dirac constant	211F	Ř	= cross ratio RESPONSE
		→ 045B ħ cyrillic small letter tshe	2120	SM	SERVICE MARK
2110	æ	\approx 0127 \hbar latin small letter h with stroke	2120	52	
2110	${\mathscr I}$	SCRIPT CAPITAL I	2121	Tel	pprox <super> 0053 S 004D M TELEPHONE SIGN</super>
		\sim 2110 FE00 $\mathcal I$ chancery style \sim 2110 FE01 $\mathcal I$ roundhand style	2121	IEL	• typical forms for this symbol may use
		\approx 0049 I latin capital letter i			lowercase, small caps or superscripted letter
2111	\mathfrak{F}	BLACK-LETTER CAPITAL I			shapes
2111	v	= imaginary part			→ 260E 🏗 black telephone
		\approx 0049 I latin capital letter i			→ 2706 ② telephone location sign
2112	L	SCRIPT CAPITAL L			→ 1F4DE t telephone receiver
	~	= Laplace transform			\approx 0054 T 0045 $\stackrel{\cdot}{E}$ 004C L
		\sim 2112 FE00 $\mathcal L$ chancery style	2122	TM	TRADE MARK SIGN
		\sim 2112 FE01 $\mathscr L$ roundhand style			→ 1F12E Ŵ circled wz
		pprox 004C L latin capital letter l		_	pprox <super> 0054 T 004D M</super>
		· p · · · · · · · · ·	2123	ý	VERSICLE

2124	\mathbb{Z}	DOUBLE-STRUCK CAPITAL Z = the set of integers	2133	М	SCRIPT CAPITAL M = M-matrix (physics)
0405	7	\approx 005A Z latin capital letter z			German Mark currency symbol, before WWIIwhen used for the Mark symbol, the range of
2125	3	OUNCE SIGN → 0292 3 latin small letter ezh			glyph variation is restricted
		→ 1F773 3 alchemical symbol for half ounce			→ 20BB 🔁 nordic mark sign
0.400		→ 2CF04 '3			\sim 2133 FE00 $\mathcal M$ chancery style \sim 2133 FE01 $\mathcal M$ roundhand style
2126	Ω	• SI unit of resistance, named after G. S. Ohm,			\approx 004D \mathbf{M} latin capital letter m
		German physicist	2134	0	SCRIPT SMALL O
		$ullet$ preferred representation is 03A9 Ω			= order, of inferior order to
		$ ightarrow$ 260A Ω ascending node \equiv 03A9 Ω greek capital letter omega			\approx 006F o latin small letter o
2127	σ	INVERTED OHM SIGN			etterlike math symbols eft-to-right characters.
		= mho	2135		ALEF SYMBOL
		 archaic unit of conductance (= the SI unit siemens) 	2100	31	= first transfinite cardinal (countable)
		typographically a turned greek capital letter			pprox 05D0 X hebrew letter alef
		omega	2136	ב	BET SYMBOL = second transfinite cardinal (the continuum)
		$ ightarrow$ 01B1 Ω latin capital letter upsilon $ ightarrow$ 03A9 Ω greek capital letter omega			≈ 05D1 1 hebrew letter bet
		→ 260B ♥ descending node	2137	ℷ	GIMEL SYMBOL
2128	3	BLACK-LETTER CAPITAL Z			= third transfinite cardinal (functions of a real variable)
0400		≈ 005A Z latin capital letter z			≈ 05D2 Å hebrew letter gimel
2129	1	TURNED GREEK SMALL LETTER IOTAunique element fulfilling a description (logic)	2138	7	DALET SYMBOL
		\rightarrow 03B9 ι greek small letter iota			= fourth transfinite cardinal ≈ 05D3 7 hebrew letter dalet
212A	K	KELVIN SIGN	۸ ما ما نه		
212B	Å	≡ 0048 K latin capital letter k ANGSTROM SIGN	2139		I l letterlike symbols INFORMATION SOURCE
ZIZD	A	• non SI length unit (=0.1 nm) named after A. J.	2100	•	• intended for use with 20DD
		Ångström, Swedish physicist			ightarrow 1F6C8 ① circled information source
		• preferred representation is 00C5 Å ≡ 00C5 Å latin capital letter a with ring above	213A	\sim	≈ 0069 i latin small letter i ROTATED CAPITAL Q
212C	\mathscr{B}	SCRIPT CAPITAL B	213A	0	• a binding signature mark
		= Bernoulli function	213B	FAX	FACSIMILE SIGN
		\sim 212C FE00 $\mathcal B$ chancery style \sim 212C FE01 $\mathcal B$ roundhand style			• typical forms for this symbol may use
		\approx 0042 B latin capital letter b			lowercase, small caps or superscripted letter shapes
212D	\mathfrak{C}	BLACK-LETTER CAPITAL C			→ 2121 Tel. telephone sign
2425	0	≈ 0043 C latin capital letter c ESTIMATED SYMBOL			\rightarrow 1F4E0 \triangle fax machine \approx 0046 F 0041 A 0058 X
212E	е	used in European packaging	213C	II	DOUBLE-STRUCK SMALL PI
		\rightarrow 0065 e latin small letter e			$pprox$ 03C0 π greek small letter pi
212F	e	SCRIPT SMALL E	213D	8	DOUBLE-STRUCK SMALL GAMMA
		= error = natural exponent	213E	Г	≈ 03B3 γ greek small letter gamma DOUBLE-STRUCK CAPITAL GAMMA
		≈ 0065 e latin small letter e		-	$pprox$ 0393 Γ greek capital letter gamma
2130	\mathscr{E}	SCRIPT CAPITAL E	213F	П	DOUBLE-STRUCK CAPITAL PI
		= emf (electromotive force) $\sim 2130 \text{FE}00 \mathcal{E}$ chancery style		_	$pprox$ 03A0 Π greek capital letter pi
		~ 2130 FE01 % roundhand style			ruck large operator
0404	~	≈ 0045 E latin capital letter e	2140	\sum	DOUBLE-STRUCK N-ARY SUMMATION ≈ 2211 ∑ n-ary summation
2131	${\mathscr F}$	SCRIPT CAPITAL F = Fourier transform	Δddit	iona	Il letterlike symbols
		\sim 2131 FE00 $\mathcal F$ chancery style	2141	Ð	TURNED SANS-SERIF CAPITAL G
		~ 2131 FE01 F roundhand style		Ū	= game
2132	Е	pprox 0046 F latin capital letter f TURNED CAPITAL F	0440	_	→ A4E8 5 lisu letter hha
2102	4	= Claudian digamma inversum	2142	٦	TURNED SANS-SERIF CAPITAL L \rightarrow A4F6 7 lisu letter uh
		• lowercase is 214E 4	2143	L	REVERSED SANS-SERIF CAPITAL L
		→ 0046 F latin capital letter f	2144	Х	TURNED SANS-SERIF CAPITAL Y
		$ ightarrow$ 03DC ${f F}$ greek letter digamma			→ 11FB0 人 lisu letter yha

Double-struck italic math symbols

These stylized mathematical symbols are used in some documents to distinguish special mathematical usages from ordinary variables.

- 2145 D DOUBLE-STRUCK ITALIC CAPITAL D
 - \bullet sometimes used for the differential \approx 0044 $D\,$ latin capital letter d
- 2146 d DOUBLE-STRUCK ITALIC SMALL D
 - sometimes used for the differential \approx 0064 d latin small letter d
- 2147 @ DOUBLE-STRUCK ITALIC SMALL E
 - sometimes used for the natural exponent \approx 0065 e latin small letter e
- 2148 # DOUBLE-STRUCK ITALIC SMALL I
 - sometimes used for the imaginary unit \approx 0069 i latin small letter i
- 2149 j DOUBLE-STRUCK ITALIC SMALL J
 - sometimes used for the imaginary unit \approx 006A j latin small letter j

Additional letterlike symbols

- 214A № PROPERTY LINE
- 214B 😵 TURNED AMPERSAND
 - used in linear logic
 - → 0026 & ampersand
- 214C ₩ PER SIGN
 - abbreviates the word 'per'
- 214D ⁴/_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 & TURNED SMALL F
 - uppercase is 2132 \mathbf{H}
 - → 03DD **F** greek small letter digamma

Biblical editorial symbol

214F 🔐 SYMBOL FOR SAMARITAN SOURCE

SCRIPT CAPITAL F 2108 ***SCRIPT CAPITAL H 2108 ***Chancery style 2108 FE00 ***Chancery style 2110 FE00 ***SCRIPT CAPITAL I 2108 ***SCRIPT CAPITAL I 2108 ***SCRIPT CAPITAL I 2108 ***SCRIPT CAPITAL I 2109 ***SCRIPT CAPITAL I 2103 ***SCRIPT CAPITAL IM 2103 ***SCRIPT CAPITAL IM 2103 ***SCRIPT CAPITAL IM 2103 ***SCRIPT CAPITAL IM 2103 ***Chancery style 2109 FE00 ***SCRIPT CAPITAL IM 2103 ***SCRIPT CAPITAL IM 2103 ***SCRIPT CAPITAL IM 2103 ***Chancery style 2109 FE00 ***SCRIPT CAPITAL IM 2109 ***Chancery style 2112 FE00 ***SCRIPT CAPITAL IM 2109 ***Chancery style 2112 FE00 ***SCRIPT CAPITAL IR 2118 ***SCRIPT CAPITAL IR 2118 ***SCRIPT CAPITAL IM 2108 2118 FE00 ***SCRIPT CAPITAL IM 2108 2118 FE00 ***SCRIPT CAPITAL IM 2109 2118 FE00 ***SCRIPT CAPITAL IM 2118 ***SCRIPT CAPITAL IM 2	
## Chancery style 2108 FE00	
roundhand style 2110 SCRIPT CAPITAL I 2110 Chancery style 2110 FE00 Foundhand style 2110 FE01 SCRIPT CAPITAL L 2133 Chancery style 2133 FE00 M chancery style 2133 FE00 M roundhand style 2133 FE01 2133 FE01 2133 FE01 2133 FE01 Proundhand style 2133 FE01 2133 FE01 Proundhand style 2112 Chancery style 2112 Chancery style 2112 FE00 SCRIPT CAPITAL R 2118 Chancery style 2118 FE00 R roundhand style 2118 FE00 R roundhand style	
2110 J Chancery style 2110 FE00 Troundhand style 2112 Chancery style 2112 Chancery style 2112 FE00 Chancery style 2118 Chancery style 2118 FE00 Chancery style 2118 FE00 Chancery style	
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roundhand style 2110 FE01 2112	
2112	
Chancery style 2112 FE00 Croundhand style 2118 CRIPT CAPITAL R 2118 Chancery style 2118 FE00 Croundhand style 2118 FE01	
roundhand style 211B SCRIPT CAPITAL R 211B Chancery style 211B FE00 roundhand style	
211B Chancery style 211B FE00 roundhand style 211B FE01	
211B FE00 roundhand style 211B FE01	
211B FE01	
212C	
2120	
${\cal B}$ chancery style	
roundhand style	
2130 SCRIPT CAPITAL E	
E chancery style	
Froundhand style	