

Miscellaneous Technical

Range: 2300–23FF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 5.2*.

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-5.2/> for charts showing only the characters added in Unicode 5.2. See <http://www.unicode.org/Public/5.2.0/charts/> for a complete archived file of character code charts for Unicode 5.2.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 5.2 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 5.2*, online at <http://www.unicode.org/versions/Unicode5.2.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, 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.

Fonts

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

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

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	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	
1	2301	2311	2321	2331	2341	2351	2361	2371	2381	2391	23A1	23B1	23C1	23D1	23E1	
2	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392	23A2	23B2	23C2	23D2	23E2	
3	2303	2313	2323	2333	2343	2353	2363	2373	2383	2393	23A3	23B3	23C3	23D3	23E3	
4	2304	2314	2324	2334	2344	2354	2364	2374	2384	2394	23A4	23B4	23C4	23D4	23E4	
5	2305	2315	2325	2335	2345	2355	2365	2375	2385	2395	23A5	23B5	23C5	23D5	23E5	
6	2306	2316	2326	2336	2346	2356	2366	2376	2386	2396	23A6	23B6	23C6	23D6	23E6	
7	2307	2317	2327	2337	2347	2357	2367	2377	2387	2397	23A7	23B7	23C7	23D7	23E7	
8	2308	2318	2328	2338	2348	2358	2368	2378	2388	2398	23A8	23B8	23C8	23D8	23E8	
9	2309	2319	2329	2339	2349	2359	2369	2379	2389	2399	23A9	23B9	23C9	23D9		
A	230A	231A	232A	233A	234A	235A	236A	237A	238A	239A	23AA	23BA	23CA	23DA		
B	230B	231B	232B	233B	234B	235B	236B	237B	238B	239B	23AB	23BB	23CB	23DB		
C	230C	231C	232C	233C	234C	235C	236C	237C	238C	239C	23AC	23BC	23CC	23DC		
D	230D	231D	232D	233D	234D	235D	236D	237D	238D	239D	23AD	23BD	23CD	23DD		
E	230E	231E	232E	233E	234E	235E	236E	237E	238E	239E	23AE	23BE	23CE	23DE		
F	230F	231F	232F	233F	234F	235F	236F	237F	238F	239F	23AF	23BF	23CF	23DF		

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
→ 25E0 ⤴ upper half circle
- 2313 ⤴ SEGMENT
- 2314 ⤴ SECTOR
- 2315 ⤴ TELEPHONE RECORDER
- 2316 ⤴ POSITION INDICATOR

- 2317 ⦶ VIEWDATA SQUARE
→ 22D5 ⦶ equal and parallel to
- 2318 ⦶ PLACE OF INTEREST SIGN
= command key (1.0)
- 2319 ⤵ TURNED NOT SIGN
= line marker

GUI icons

- 231A ⌚ WATCH
- 231B ⌚ HOURGLASS

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 symbol232C  BENZENE RING**Drafting symbols**232D  CYLINDRICITY232E  ALL AROUND-PROFILE232F  SYMMETRY2330  TOTAL RUNOUT2331  DIMENSION ORIGIN2332  CONICAL TAPER2333  SLOPE
→ 25FA  lower left triangle2334  COUNTERBORE
→ 2423  open box2335  COUNTERSINK
→ 2304  down arrowhead**APL**2336  APL FUNCTIONAL SYMBOL I-BEAM2337  APL FUNCTIONAL SYMBOL SQUISH QUAD
→ 2395  apl functional symbol quad
→ 25AF  white vertical rectangle
→ 2AFF  n-ary white vertical bar2338  APL FUNCTIONAL SYMBOL QUAD EQUAL2339  APL FUNCTIONAL SYMBOL QUAD DIVIDE233A  APL FUNCTIONAL SYMBOL QUAD DIAMOND
→ 26CB  white diamond in square233B  APL FUNCTIONAL SYMBOL QUAD JOT
→ 29C7  squared small circle233C  APL FUNCTIONAL SYMBOL QUAD CIRCLE233D  APL FUNCTIONAL SYMBOL CIRCLE STILE233E  APL FUNCTIONAL SYMBOL CIRCLE JOT
→ 229A  circled ring operator
→ 29BE  circled white bullet233F  APL FUNCTIONAL SYMBOL SLASH BAR
→ 1019A  roman as sign2340  APL FUNCTIONAL SYMBOL BACKSLASH BAR
→ 29F7  reverse solidus with horizontal stroke2341  APL FUNCTIONAL SYMBOL QUAD SLASH
→ 29C4  squared rising diagonal slash2342  APL FUNCTIONAL SYMBOL QUAD BACKSLASH
→ 29C5  squared falling diagonal slash2343  APL FUNCTIONAL SYMBOL QUAD LESS-THAN2344  APL FUNCTIONAL SYMBOL QUAD GREATER-THAN2345  APL FUNCTIONAL SYMBOL LEFTWARDS VANE2346  APL FUNCTIONAL SYMBOL RIGHTWARDS VANE2347  APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW2348  APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW2349  APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH
→ 29B0  reversed empty set234A  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 tack234B  APL FUNCTIONAL SYMBOL DELTA STILE234C  APL FUNCTIONAL SYMBOL QUAD DOWN CARET234D  APL FUNCTIONAL SYMBOL QUAD DELTA234E  APL FUNCTIONAL SYMBOL DOWN TACK JOT
= up tack jot
→ 22A5  up tack234F  APL FUNCTIONAL SYMBOL UPWARDS VANE2350  APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW2351  APL FUNCTIONAL SYMBOL UP TACK OVERBAR
= down tack overbar
→ 22A4  down tack
→ 3012  postal mark2352  APL FUNCTIONAL SYMBOL DEL STILE2353  APL FUNCTIONAL SYMBOL QUAD UP CARET2354  APL FUNCTIONAL SYMBOL QUAD DEL2355  APL FUNCTIONAL SYMBOL UP TACK JOT
= down tack jot
→ 22A4  down tack2356  APL FUNCTIONAL SYMBOL DOWNWARDS VANE2357  APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW2358  APL FUNCTIONAL SYMBOL QUOTE UNDERBAR2359  APL FUNCTIONAL SYMBOL DELTA UNDERBAR235A  APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR235B  APL FUNCTIONAL SYMBOL JOT UNDERBAR235C  APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR235D  APL FUNCTIONAL SYMBOL UP SHOE JOT
→ 2A40  intersection with dot235E  APL FUNCTIONAL SYMBOL QUOTE QUAD235F  APL FUNCTIONAL SYMBOL CIRCLE STAR
→ 229B  circled asterisk operator2360  APL FUNCTIONAL SYMBOL QUAD COLON2361  APL FUNCTIONAL SYMBOL UP TACK DIAERESIS
= down tack diaeresis
→ 22A4  down tack2362  APL FUNCTIONAL SYMBOL DEL DIAERESIS2363  APL FUNCTIONAL SYMBOL STAR DIAERESIS2364  APL FUNCTIONAL SYMBOL JOT DIAERESIS
= hoot2365  APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS
= holler2366  APL FUNCTIONAL SYMBOL DOWN SHOE STILE2367  APL FUNCTIONAL SYMBOL LEFT SHOE STILE2368  APL FUNCTIONAL SYMBOL TILDE DIAERESIS
= smirk2369  APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS236A  APL FUNCTIONAL SYMBOL COMMA BAR236B  APL FUNCTIONAL SYMBOL DEL TILDE236C  APL FUNCTIONAL SYMBOL ZILDE236D  APL FUNCTIONAL SYMBOL STILE TILDE236E  APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR236F  APL FUNCTIONAL SYMBOL QUAD NOT EQUAL2370  APL FUNCTIONAL SYMBOL QUAD QUESTION2371  APL FUNCTIONAL SYMBOL DOWN CARET TILDE2372  APL FUNCTIONAL SYMBOL UP CARET TILDE2373  APL FUNCTIONAL SYMBOL IOTA2374  APL FUNCTIONAL SYMBOL RHO2375  APL FUNCTIONAL SYMBOL OMEGA2376  APL FUNCTIONAL SYMBOL ALPHA UNDERBAR

- 2377 € APL FUNCTIONAL SYMBOL EPSILON UNDERBAR
 2378 ℓ 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

Graphics for control codes

- 237D ☐ SHOULDERS 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
 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 Γ DENTISTRY SYMBOL LIGHT VERTICAL AND TOP RIGHT
→ 2308 Γ left ceiling
- 23BF \perp DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT
→ 230A \perp left floor
- 23C0 Φ DENTISTRY SYMBOL LIGHT VERTICAL WITH CIRCLE
- 23C1 \Downarrow DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE
- 23C2 \Uparrow DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE
- 23C3 \blacktriangle DENTISTRY SYMBOL LIGHT VERTICAL WITH TRIANGLE
- 23C4 \blacktriangle DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE
- 23C5 \blacktriangle DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH TRIANGLE
- 23C6 \frown DENTISTRY SYMBOL LIGHT VERTICAL AND WAVE
- 23C7 \smile DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH WAVE
- 23C8 \pm DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH WAVE
- 23C9 \top DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL
→ 22A4 \top down tack
→ 252C \top box drawings light down and horizontal
- 23CA \perp DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL
→ 22A5 \perp up tack
→ 2534 \perp box drawings light up and horizontal
- 23CB \lrcorner DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT
→ 2309 \lrcorner right ceiling
- 23CC \llcorner DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT
→ 230B \llcorner right floor

Miscellaneous technical

- 23CD \square SQUARE FOOT

Keyboard and UI symbols

- 23CE \Downarrow RETURN SYMBOL
 - may be shown with either hollow or filled glyph
 - 21B5 \Downarrow downwards arrow with corner leftwards
- 23CF \blacktriangle 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 \smile METRICAL BREVE
- 23D2 \smile METRICAL LONG OVER SHORT
- 23D3 \smile METRICAL SHORT OVER LONG
- 23D4 \smile METRICAL LONG OVER TWO SHORTS
- 23D5 \smile METRICAL TWO SHORTS OVER LONG
- 23D6 \smile METRICAL TWO SHORTS JOINED
- 23D7 \smile METRICAL TRISEME
→ 1D242 \smile combining greek musical triseme
- 23D8 \smile METRICAL TETRASEME
→ 1D243 \smile combining greek musical tetraseme
- 23D9 \smile METRICAL PENTASEME
→ 1D244 \smile combining greek musical pentaseme

Electrotechnical symbols

- 23DA \perp EARTH GROUND
- 23DB \equiv 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 \frown TOP PARENTHESIS
→ FE35 \frown presentation form for vertical left parenthesis
- 23DD \smile BOTTOM PARENTHESIS
→ FE36 \smile presentation form for vertical right parenthesis
- 23DE \frown TOP CURLY BRACKET
→ FE37 \frown presentation form for vertical left curly bracket
- 23DF \smile BOTTOM CURLY BRACKET
→ FE38 \smile presentation form for vertical right curly bracket
- 23E0 \frown TOP TORTOISE SHELL BRACKET
→ FE39 \frown presentation form for vertical left tortoise shell bracket
- 23E1 \smile BOTTOM TORTOISE SHELL BRACKET
→ FE3A \smile presentation form for vertical right tortoise shell bracket

Miscellaneous technical

- 23E2 \square WHITE TRAPEZIUM

Chemistry symbol

- 23E3 \bigcirc BENZENE RING WITH CIRCLE

Miscellaneous technical

- 23E4 $—$ STRAIGHTNESS
- 23E5 \square FLATNESS
- 23E6 \sim AC CURRENT
- 23E7 \times ELECTRICAL INTERSECTION
- 23E8 10 DECIMAL EXPONENT SYMBOL
 - Algol-60 token for scientific notation literals