

# Adobe® FrameMaker® 7.0

FrameMaker Character Sets (Windows®)



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## FrameMaker Character Sets (Windows)

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# FrameMaker Character Sets (Windows)

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**T**his manual lists the character sets used for FrameMaker 7.0 documents using Western fonts, and shows how to type each character in the set.

## About character sets

FrameMaker 7.0 uses three kinds of character sets.

- Dingbat character set—for the Zapf Dingbats font
- Symbol character set—for the Symbol font
- Standard character set—for all other fonts

These three character sets include not only what you see on the keyboard, but also many special characters such as mathematical symbols and accented letters, and a variety of dingbats such as arrows and stars.

**Important:** *If the character you want is in the Symbol or Zapf Dingbats character set and you're not currently using that font, you must change the character font before you type the character.*

The Windows character set is based on the ANSI character set, and includes some additional characters not in the ANSI set. On platforms other than Windows, FrameMaker 7.0 products use a character set based on Adobe PostScript instead of ANSI.

If you open a document that was created on another platform in the Windows version of FrameMaker 7.0, an underline character appears in place of any characters not available in the ANSI set. FrameMaker 7.0 preserves the code of the original characters; if you open the document again on the other platform, the correct characters reappear.

Some character values are reserved for future use. Although several of these values cause characters to appear in a document window, they can cause other characters or no character to appear when printed. Also, they may not produce the same characters on different platforms. If you intend to transfer files between platforms, do not use the characters marked *Reserved* in the following tables.

The code values in the following tables appear in hexadecimal notation in columns labeled “Hex code.” The hexadecimal code shown for each character is the code that is used to represent the character internally. If you're using Maker Markup Language (MML) or another program that creates files in Maker Interchange Format (MIF), you may need to refer to the codes from time to time.

The characters at the beginning of the table, with hexadecimal codes below `\x20`, are called *control codes*. Rather than specifying characters to be printed, these characters affect how surrounding text is formatted. You can see some of these characters in a document window if text symbols are showing.

The instructions for typing quotation marks and apostrophes assume that Smart Quotes is off. For information on Smart Quotes, see the *FrameMaker User Guide*.

In the following tables, where you can use either of two keystroke sequences to type a character, the sequences are separated by a comma.

## Using key sequences

Many characters are generated by a key sequence. This key sequence often uses the Control or Esc key.

This manual uses the following conventions for key sequences.

| Example           | Describes  |
|-------------------|--|
| Control+q         | Holding down Control while pressing the lowercase letter <i>q</i>  |
| Control+q Shift+a | Holding down Control while pressing the letter <i>q</i> , then releasing both keys, and then holding down Shift while pressing the letter <i>a</i> |
| Esc ~ Shift+a     | Pressing and releasing Esc, then pressing and releasing ~ (tilde), then holding down Shift while pressing the letter <i>a</i>                      |

You can also type a character in a document by using its ANSI number.

- 1 Press Num Lock to make the numeric keypad active.
- 2 Hold down the Alt key while typing the ANSI number (including the leading zero) using the keys on the numeric keypad.

For example, to enter the “questiondown” character (¿) using its ANSI number, hold down the Alt key while typing 0191 from the keypad, and then release the Alt key. Be sure to include the leading zero.

## Inserting the Euro Community currency symbol

To insert the European Community currency symbol, you must use an operating system that includes the symbol in its fonts—such as Windows 98 or later, or Mac OS 8.5 or later—or you must install fonts that include the symbol. However, if you plan to open a document on multiple platforms, you may want to use one of Adobe’s Euro font families—Adobe Euro Monospace, Adobe Euro Sans, and Adobe Euro Serif. The Euro symbol may not be properly mapped when a document is moved to a different platform.

**Note:** *The Adobe Euro fonts require Adobe Type Manager® (ATM®) for Windows 98, Windows NT 4.0 and below.*

For Windows, Adobe Type 1 Euro Sans, Euro Serif, and Euro Mono are placed in a self-extracting executable file. To install these fonts, locate and double-click the eurofont.exe file located in the installed FrameMaker folder. Unzip the font files to a new folder, and install the unzipped fonts from Control Panel > Fonts > File > Install New Fonts. Then use Adobe Type Manager, which is also included with FrameMaker, to locate and activate these fonts.

Windows includes the Euro symbol to core fonts (Times New Roman, Courier New, and Arial). To type a Euro character on keyboards for most Western languages, press Alt+0128 or AltGr (right Alt key)+e. See the Microsoft Web site for Euro keyboard shortcuts for other languages.

## The Windows character sets

The following table shows all the characters available in FrameMaker for Windows. It starts with the special hyphens, spaces, and returns you can enter, and then lists the rest of the characters in their ANSI order.

| Special hyphens, spaces, returns, and undisplayed characters |                                      |  |                                   |                                      |                              |                   |
|--|--------------------------------------|--|-----------------------------------|--------------------------------------|------------------------------|-------------------|
| Standard character set                                       |                                      |  | Symbol and Dingbats character set |                                      |                              |                   |
| Hex code   | Key or key sequence                  | Standard character set: graphic and name | Hex code                          | Key or key sequence                  | Symbol set: graphic and name | Dingbats: graphic |
| \x04   | Esc hyphen Shift+d or Control+hyphen | discretionary hyphen                     | \x04                              | Esc hyphen Shift+d or Control+hyphen | discretionary hyphen         |                   |
| \x05   | Esc n s                              | suppress hyphenation                     | \x05                              | Esc n s                              | suppress hyphenation         |                   |
| \x15   | Esc hyphen h                         | nonbreaking hyphen                       | \x15                              | Esc hyphen h                         | nonbreaking hyphen           |                   |
| \x08   | Tab                                  | tab                                      | \x08                              | Tab                                  | tab                          |                   |
| \x09   | Shift+Return                         | forced return                            | \x09                              | Shift+Return                         | forced return                |                   |
| \x0a   | Return                               | end of paragraph                         | \x0a                              | Return                               | end of paragraph             |                   |
| \x10   | Esc space 1 (one)                    | numeric space                            | \x10                              | Esc space 1 (one)                    | numeric space                |                   |
| \x11   | Esc space h or Control+space         | nonbreaking space                        | \x11                              | Esc space h or Control+space         | nonbreaking space            |                   |
| \x12   | Esc space t                          | thin space                               | \x12                              | Esc space t                          | thin space                   |                   |
| \x13   | Esc space n or Alt+Control+space     | en space                                 | \x13                              | Esc space n or Alt+Control+space     | en space                     |                   |
| \x14   | Esc space m or Control+Shift+space   | em space                                 | \x14                              | Esc space m or Control+Shift+space   | em space                     |                   |
| \x27   | Control+'                            | ' quotesingle                            | \x27                              | Control+'                            | such that                    | '                 |
| \x60   | Control+`                            | ` grave                                  | \x60                              | Control+`                            | radicallex                   | `                 |
| \xda   | Control+q Shift+z                    | / fraction                               |                                   |                                      |                              |                   |
| \xde   | Control+q ^                          | fi Reserved                              |                                   |                                      |                              |                   |
| \xdf   | Control+q _                          | fl Reserved                              |                                   |                                      |                              |                   |
| \xf5   | Control+q u                          | l Reserved                               |                                   |                                      |                              |                   |
| \xf9   | Control+q y                          | ~ Reserved                               |                                   |                                      |                              |                   |
| \xfa   | Control+q z                          | · Reserved                               |                                   |                                      |                              |                   |
| \xfe   | Control+q ~                          | ˘ Reserved                               |                                   |                                      |                              |                   |
| \xfd   | Control+q }                          | ˘ hungarumlaut                           |                                   |                                      |                              |                   |

| Standard character set |          |                      |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|----------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence  | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 032                    | \x20     | space                | space                                    | 032                               | \x20     | space               | space                        |                   |
| 033                    | \x21     | !                    | ! exclam                                 | 033                               | \x21     | !                   | ! exclam                     | ✂                 |
| 034                    | \x22     | " (Smart Quotes off) | " quotedbl                               | 034                               | \x22     | "                   | ∇ universal                  | ✂                 |
| 035                    | \x23     | #                    | # numbersign                             | 035                               | \x23     | #                   | # numbersign                 | ✂                 |
| 036                    | \x24     | \$                   | \$ dollar                                | 036                               | \x24     | \$                  | ∃ existential                | ✂                 |
| 037                    | \x25     | %                    | % percent                                | 037                               | \x25     | %                   | % percent                    | ✂                 |
| 038                    | \x26     | &                    | & ampersand                              | 038                               | \x26     | &                   | & ampersand                  | ✂                 |
| 040                    | \x28     | (                    | ( parenleft                              | 040                               | \x28     | (                   | ( parenleft                  | ✂                 |
| 041                    | \x29     | )                    | ) parenright                             | 041                               | \x29     | )                   | ) parenright                 | ✂                 |
| 042                    | \x2a     | *                    | * asterisk                               | 042                               | \x2a     | *                   | * asteriskmath               | ✂                 |
| 043                    | \x2b     | +                    | + plus                                   | 043                               | \x2b     | +                   | + plus                       | ✂                 |
| 044                    | \x2c     | ,(comma)             | , comma                                  | 044                               | \x2c     | ,(comma)            | , comma                      | ✂                 |
| 045                    | \x2d     | -(hyphen)            | - hyphen                                 | 045                               | \x2d     | -(hyphen)           | - minus                      | ✂                 |
| 046                    | \x2e     | .(period)            | . period                                 | 046                               | \x2e     | .(period)           | . period                     | ✂                 |
| 047                    | \x2f     | /                    | / slash                                  | 047                               | \x2f     | /                   | / slash                      | ✂                 |
| 048                    | \x30     | 0                    | 0 zero                                   | 048                               | \x30     | 0                   | 0 zero                       | ✂                 |
| 049                    | \x31     | 1                    | 1 one                                    | 049                               | \x31     | 1                   | 1 one                        | ✂                 |
| 050                    | \x32     | 2                    | 2 two                                    | 050                               | \x32     | 2                   | 2 two                        | ✂                 |
| 051                    | \x33     | 3                    | 3 three                                  | 051                               | \x33     | 3                   | 3 three                      | ✓                 |
| 052                    | \x34     | 4                    | 4 four                                   | 052                               | \x34     | 4                   | 4 four                       | ✓                 |
| 053                    | \x35     | 5                    | 5 five                                   | 053                               | \x35     | 5                   | 5 five                       | ✂                 |
| 054                    | \x36     | 6                    | 6 six                                    | 054                               | \x36     | 6                   | 6 six                        | ✂                 |
| 055                    | \x37     | 7                    | 7 seven                                  | 055                               | \x37     | 7                   | 7 seven                      | ✂                 |
| 056                    | \x38     | 8                    | 8 eight                                  | 056                               | \x38     | 8                   | 8 eight                      | ✂                 |
| 057                    | \x39     | 9                    | 9 nine                                   | 057                               | \x39     | 9                   | 9 nine                       | ✂                 |
| 058                    | \x3a     | :                    | : colon                                  | 058                               | \x3a     | :                   | : colon                      | ✂                 |
| 059                    | \x3b     | ;                    | ; semicolon                              | 059                               | \x3b     | ;                   | ; semicolon                  | ✂                 |
| 060                    | \x3c     | <                    | < less                                   | 060                               | \x3c     | <                   | < less                       | ✂                 |
| 061                    | \x3d     | =                    | = equal                                  | 061                               | \x3d     | =                   | = equal                      | †                 |
| 062                    | \x3e     | >                    | > greater                                | 062                               | \x3e     | >                   | > greater                    | ‡                 |

| Standard character set |          |                     |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|---------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 063                    | \x3f     | ?                   | ? question                               | 063                               | \x3f     | ?                   | ? question                   | †                 |
| 064                    | \x40     | @                   | @ at                                     | 064                               | \x40     | @                   | ≡ congruent                  | ⌘                 |
| 065                    | \x41     | A                   | A A                                      | 065                               | \x41     | A                   | A Alpha                      | ⊖                 |
| 066                    | \x42     | B                   | B B                                      | 066                               | \x42     | B                   | B Beta                       | ⊖                 |
| 067                    | \x43     | C                   | C C                                      | 067                               | \x43     | C                   | X Chi                        | ⌘                 |
| 068                    | \x44     | D                   | D D                                      | 068                               | \x44     | D                   | Δ Delta                      | ⌘                 |
| 069                    | \x45     | E                   | E E                                      | 069                               | \x45     | E                   | E Epsilon                    | ⊕                 |
| 070                    | \x46     | F                   | F F                                      | 070                               | \x46     | F                   | Φ Phi                        | ◆                 |
| 071                    | \x47     | G                   | G G                                      | 071                               | \x47     | G                   | Γ Gamma                      | ◇                 |
| 072                    | \x48     | H                   | H H                                      | 072                               | \x48     | H                   | H Eta                        | ★                 |
| 073                    | \x49     | I                   | I I                                      | 073                               | \x49     | I                   | I Iota                       | ☆                 |
| 074                    | \x4a     | J                   | J J                                      | 074                               | \x4a     | J                   | ϑ theta1                     | ⊕                 |
| 075                    | \x4b     | K                   | K K                                      | 075                               | \x4b     | K                   | K Kappa                      | ★                 |
| 076                    | \x4c     | L                   | L L                                      | 076                               | \x4c     | L                   | Λ Lambda                     | ★                 |
| 077                    | \x4d     | M                   | M M                                      | 077                               | \x4d     | M                   | Μ Mu                         | ★                 |
| 078                    | \x4e     | N                   | N N                                      | 078                               | \x4e     | N                   | Ν Nu                         | ★                 |
| 079                    | \x4f     | O                   | O O                                      | 079                               | \x4f     | O                   | Ο Omicron                    | ★                 |
| 080                    | \x50     | P                   | P P                                      | 080                               | \x50     | P                   | Π Pi                         | ☆                 |
| 081                    | \x51     | Q                   | Q Q                                      | 081                               | \x51     | Q                   | Θ Theta                      | ★                 |
| 082                    | \x52     | R                   | R R                                      | 082                               | \x52     | R                   | Ρ Rho                        | ★                 |
| 083                    | \x53     | S                   | S S                                      | 083                               | \x53     | S                   | Σ Sigma                      | ★                 |
| 084                    | \x54     | T                   | T T                                      | 084                               | \x54     | T                   | Τ Tau                        | ★                 |
| 085                    | \x55     | U                   | U U                                      | 085                               | \x55     | U                   | Υ Upsilon                    | ⌘                 |
| 086                    | \x56     | V                   | V V                                      | 086                               | \x56     | V                   | ς sigma1                     | ★                 |
| 087                    | \x57     | W                   | W W                                      | 087                               | \x57     | W                   | Ω Omega                      | ★                 |
| 088                    | \x58     | X                   | X X                                      | 088                               | \x58     | X                   | Ξ Xi                         | ★                 |
| 089                    | \x59     | Y                   | Y Y                                      | 089                               | \x59     | Y                   | Ψ Psi                        | ★                 |
| 090                    | \x5a     | Z                   | Z Z                                      | 090                               | \x5a     | Z                   | Z Zeta                       | ⊗                 |
| 091                    | \x5b     | [                   | [ bracketleft                            | 091                               | \x5b     | [                   | [ bracketleft                | ★                 |
| 092                    | \x5c     | \                   | \ backslash                              | 092                               | \x5c     | \                   | ∴ therefore                  | ★                 |
| 093                    | \x5d     | ]                   | ] bracketright                           | 093                               | \x5d     | ]                   | ] bracketright               | ★                 |

| Standard character set |          |                     |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|---------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 094                    | \x5e     | ^                   | ^ asciicircum                            | 094                               | \x5e     | ^                   | ⊥ perpendicular              | ⌘                 |
| 095                    | \x5f     | _ (underline)       | _ underscore                             | 095                               | \x5f     | _ (underline)       | _ underscore                 | ⌘                 |
| 097                    | \x61     | a                   | a a                                      | 097                               | \x61     | a                   | α alpha                      | ⌘                 |
| 098                    | \x62     | b                   | b b                                      | 098                               | \x62     | b                   | β beta                       | ⌘                 |
| 099                    | \x63     | c                   | c c                                      | 099                               | \x63     | c                   | χ chi                        | ⌘                 |
| 0100                   | \x64     | d                   | d d                                      | 0100                              | \x64     | d                   | δ delta                      | ⌘                 |
| 0101                   | \x65     | e                   | e e                                      | 0101                              | \x65     | e                   | ε epsilon                    | ⌘                 |
| 0102                   | \x66     | f                   | f f                                      | 0102                              | \x66     | f                   | φ phi                        | ⌘                 |
| 0103                   | \x67     | g                   | g g                                      | 0103                              | \x67     | g                   | γ gamma                      | ⌘                 |
| 0104                   | \x68     | h                   | h h                                      | 0104                              | \x68     | h                   | η eta                        | ⌘                 |
| 0105                   | \x69     | i                   | i i                                      | 0105                              | \x69     | i                   | ι iota                       | ⌘                 |
| 0106                   | \x6a     | j                   | j j                                      | 0106                              | \x6a     | j                   | φ phi1                       | ⌘                 |
| 0107                   | \x6b     | k                   | k k                                      | 0107                              | \x6b     | k                   | κ kappa                      | ⌘                 |
| 0108                   | \x6c     | l                   | l l                                      | 0108                              | \x6c     | l                   | λ lambda                     | ●                 |
| 0109                   | \x6d     | m                   | m m                                      | 0109                              | \x6d     | m                   | μ mu                         | ○                 |
| 0110                   | \x6e     | n                   | n n                                      | 0110                              | \x6e     | n                   | ν nu                         | ■                 |
| 0111                   | \x6f     | o                   | o o                                      | 0111                              | \x6f     | o                   | ο omicron                    | □                 |
| 0112                   | \x70     | p                   | p p                                      | 0112                              | \x70     | p                   | π pi                         | □                 |
| 0113                   | \x71     | q                   | q q                                      | 0113                              | \x71     | q                   | θ theta                      | □                 |
| 0114                   | \x72     | r                   | r r                                      | 0114                              | \x72     | r                   | ρ rho                        | □                 |
| 0115                   | \x73     | s                   | s s                                      | 0115                              | \x73     | s                   | σ sigma                      | ▲                 |
| 0116                   | \x74     | t                   | t t                                      | 0116                              | \x74     | t                   | τ tau                        | ▼                 |
| 0117                   | \x75     | u                   | u u                                      | 0117                              | \x75     | u                   | υ upsilon                    | ◆                 |
| 0118                   | \x76     | v                   | v v                                      | 0118                              | \x76     | v                   | ω omega1                     | ❖                 |
| 0119                   | \x77     | w                   | w w                                      | 0119                              | \x77     | w                   | ω omega                      | ●                 |
| 0120                   | \x78     | x                   | x x                                      | 0120                              | \x78     | x                   | ξ xi                         |                   |
| 0121                   | \x79     | y                   | y y                                      | 0121                              | \x79     | y                   | ψ psi                        |                   |
| 0122                   | \x7a     | z                   | z z                                      | 0122                              | \x7a     | z                   | ζ zeta                       |                   |
| 0123                   | \x7b     | {                   | { braceleft                              | 0123                              | \x7b     | {                   | { braceleft                  | ‘                 |
| 0124                   | \x7c     |                     | bar                                      | 0124                              | \x7c     |                     | bar                          | ’                 |
| 0125                   | \x7d     | }                   | } braceright                             | 0125                              | \x7d     | }                   | } braceright                 | “                 |



| Standard character set |          |                                    |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|------------------------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence                | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 0126                   | \x7e     | ~                                  | ~ asciitilde                             | 0126                              | \x7e     | ~                   | ~ similar                    | ”                 |
| 0130                   | \xe2     | Control+q b                        | , quotesinglbase                         | 0130                              |          |                     | Reserved                     |                   |
| 0131                   | \xc4     | Control+q Shift+d                  | f florin                                 | 0131                              |          |                     | Reserved                     |                   |
| 0132                   | \xe3     | Control+q c                        | „ quotedblbase                           | 0132                              |          |                     | Reserved                     |                   |
| 0133                   | \xc9     | Control+q Shift+i)                 | … ellipsis                               | 0133                              |          |                     | Reserved                     |                   |
| 0134                   | \xa0     | Control+q space                    | † dagger                                 | 0134                              |          |                     | € Reserved                   |                   |
| 0135                   | \xe0     | Control+q `                        | ‡ daggerdbl                              | 0135                              |          |                     | Reserved                     |                   |
| 0136                   | \xf6     | Control+q v                        | ^ circumflex                             | 0136                              |          |                     | Reserved                     |                   |
| 0137                   | \xe4     | Control+q d                        | ‰ perthousand                            | 0137                              |          |                     | Reserved                     |                   |
| 0138                   | \xb3     | Control+q 3                        | § Reserved                               | 0138                              |          |                     | Reserved                     |                   |
| 0139                   | \xdc     | Control+q \                        | < guilsinglleft                          | 0139                              |          |                     | Reserved                     |                   |
| 0140                   | \xce     | Control+q Shift+n                  | Œ OE                                     | 0140                              |          |                     | Reserved                     |                   |
| 0145                   | \xd4     | Control+q Shift+t or `             | ‘ quoteleft                              | 0145                              |          |                     | Reserved                     |                   |
| 0146                   | \xd5     | Control+q Shift+u                  | ’ quoteright                             | 0146                              |          |                     | Reserved                     |                   |
| 0147                   | \xd2     | Alt+Control+` or Control+q Shift+r | “ quotedblleft                           | 0147                              |          |                     | Reserved                     |                   |
| 0148                   | \xd3     | Control+Alt+` or Control+q Shift+s | ” quotedblright                          | 0148                              |          |                     | Reserved                     |                   |
| 0149                   | \xa5     | Control+q %                        | • bullet                                 | 0149                              |          |                     | Reserved                     |                   |
| 0150                   | \xd0     | Control+q Shift+p                  | – endash                                 | 0150                              |          |                     | Reserved                     |                   |
| 0151                   | \xd1     | Control+q Shift+q                  | — emdash                                 | 0151                              |          |                     | Reserved                     |                   |
| 0152                   | \xf7     | Control+q w                        | ~ tilde                                  | 0152                              |          |                     | Reserved                     |                   |
| 0153                   | \xaa     | Control+q *                        | ™ trademarkserif                         | 0153                              |          |                     | Reserved                     |                   |
| 0154                   | \xf0     | Control+q p                        | § Reserved                               | 0154                              |          |                     | Reserved                     |                   |
| 0155                   | \xdd     | Control+q ]                        | > guilsinglright                         | 0155                              |          |                     | Reserved                     |                   |
| 0156                   | \xcf     | Control+q Shift+o                  | œ oe                                     | 0156                              |          |                     | Reserved                     |                   |
| 0159                   | \xd9     | Esc % Shift+y                      | ÿ Ydieresis                              | 0159                              |          |                     | Reserved                     |                   |
| 0161                   | \xc1     | Control+q Shift+a                  | ¡ exclamdown                             | 0161                              | \xa1     | Control+q !         | Υ Upsilon1                   | ♣                 |
| 0162                   | \xa2     | Control+q "                        | ¢ cent                                   | 0162                              | \xa2     | Control+q "         | ′ minute                     | ♠                 |
| 0163                   | \xa3     | Control+q #                        | £ sterling                               | 0163                              | \xa3     | Control+q #         | ≤ lessequal                  | ♥                 |
| 0164                   | \xdb     | Control+q [                        | ¤ currency                               | 0164                              | \xa4     | Control+q \$        | / fraction                   | ♥                 |

| Standard character set |          |                     |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|---------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 0165                   | \xb4     | Control+q 4         | ¥ yen                                    | 0165                              | \xa5     | Control+q %         | ∞ infinity                   | ♠                 |
| 0166                   | \xad     | Control+q hyphen    | pipe                                     | 0166                              | \xa6     | Control+q &         | f florin                     | ♣                 |
| 0167                   | \xa4     | Control+q \$        | § section                                | 0167                              | \xa7     | Control+q '         | ♣ club                       | ♠                 |
| 0168                   | \xac     | Control+q ,         | ¨ dieresis                               | 0168                              | \xa8     | Control+q (         | ♦ diamond                    | ♣                 |
| 0169                   | \xa9     | Control+q )         | © copyrightserif                         | 0169                              | \xa9     | Control+q )         | ♥ heart                      | ♠                 |
| 0170                   | \xbb     | Control+q ;         | ª ordfeminine                            | 0170                              | \xaa     | Control+q *         | ♠ spade                      | ♥                 |
| 0171                   | \xc7     | Control+q Shift+g   | « guillemetleft                          | 0171                              | \xab     | Control+q +         | ↔ arrowboth                  | ♠                 |
| 0172                   | \xc2     | Control+q Shift+b   | ¬ logicalnot                             | 0172                              | \xac     | Control+q ,         | ← arrowleft                  | ①                 |
| 0173                   | \x2d     | -(hyphen)           | - hyphen                                 | 0173                              | \xad     | Control+q -         | ↕ arrowup                    | □                 |
| 0174                   | \xa8     | Control+q (         | ® registerserif                          | 0174                              | \xae     | Control+q .         | → arrowright                 | ③                 |
| 0175                   | \xf8     | Control+q x         | ˘ macron                                 | 0175                              | \xaf     | Control+q /         | ↓ arrowdown                  | ④                 |
| 0176                   | \xfb     | Control+q {         | ° ring                                   | 0176                              | \xb0     | Control+q 0         | ∞ degree                     | ♠                 |
| 0177                   | \xb1     | Control+q 1         | ± plusminus                              | 0177                              | \xb1     | Control+q 1         | ± plusminus                  | ⑥                 |
| 0178                   | \xb7     | Control+q 7         | 2 Reserved                               | 0178                              | \xb2     | Control+q 2         | ≤ second                     | ♠                 |
| 0179                   | \xb8     | Control+q 8         | 3 Reserved                               | 0179                              | \xb3     | Control+q 3         | ≥ greaterequal               | ⑧                 |
| 0180                   | \xab     | Control+q +         | ´ acute                                  | 0180                              | \xb4     | Control+q 4         | × multiply                   | ⑨                 |
| 0181                   | \xb5     | Control+q 5         | μ Reserved                               | 0181                              | \xb5     | Control+q 5         | ∝ proportional               | ○                 |
| 0182                   | \xa6     | Control+q &         | ¶ paragraph                              | 0182                              | \xb6     | Control+q 6         | ∂ partialdiff                | ⑩                 |
| 0183                   | \xe1     | Control+q a         | · period-centered                        | 0183                              | \xb7     | Control+q 7         | ∑ bullet                     | ↩                 |
| 0184                   | \xfc     | Control+q ¡         | ¸ cedilla                                | 0184                              | \xb8     | Control+q 8         | ∏ divide                     | →                 |
| 0185                   | \xb6     | Control+q 6         | 1 Reserved                               | 0185                              | \xb9     | Control+q 9         | π notequal                   | □                 |
| 0186                   | \xbc     | Control+q <         | º ordmasculine                           | 0186                              | \xba     | Control+q :         | ∫ equivalence                | ▷                 |
| 0187                   | \xc8     | Control+q Shift+h   | » guillemetright                         | 0187                              | \xbb     | Control+q ;         | ≈ approxequal                | ⑥                 |
| 0188                   | \xb9     | Control+q 9         | ¼ Reserved                               | 0188                              | \xbc     | Control+q <         | … ellipsis                   | ⑦                 |
| 0189                   | \xba     | Control+q :         | ½ Reserved                               | 0189                              | \xbd     | Control+q =         | ↯ arrowvertex                | *                 |
| 0190                   | \xbd     | Control+q =         | ¾ Reserved                               | 0190                              | \xbe     | Control+q >         | — arrowhorizex               | ⑨                 |
| 0191                   | \xc0     | Control+q @         | ¿ questiondown                           | 0191                              | \xbf     | Control+q ?         | ↵ carriagereturn             | ⑩                 |
| 0192                   | \xcb     | Esc ` Shift+a       | À Agrave                                 | 0192                              | \xc0     | Control+q @         | ℵ aleph                      | ①                 |
| 0193                   | \xe7     | Esc ' Shift+a       | Á Aacute                                 | 0193                              | \xc1     | Control+q Shift+a   | ℱ Ifraktur                   | ②                 |
| 0194                   | \xe5     | Esc ^ Shift+a       | Â Acircumflex                            | 0194                              | \xc2     | Control+q Shift+b   | ℞ Rfraktur                   | ③                 |

| Standard character set |          |                     |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|---------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 0195                   | \xcc     | Esc ~ Shift+a       | Á Atilde                                 | 0195                              | \xc3     | Control+q Shift+c   | √ weierstrass                | ↔                 |
| 0196                   | \x80     | Esc % Shift+a       | Ä Adieresis                              | 0196                              | \xc4     | Control+q Shift+d   | ⊗ circlemultiply             | Ⓢ                 |
| 0197                   | \x81     | Esc * Shift+a       | Å Aring                                  | 0197                              | \xc5     | Control+q Shift+e   | ≈ circleplus                 | Ⓣ                 |
| 0198                   | \xae     | Control+q .         | Æ AE                                     | 0198                              | \xc6     | Control+q Shift+f   | Δ emptyset                   | Ⓤ                 |
| 0199                   | \x82     | Esc comma Shift+c   | Ç Ccedilla                               | 0199                              | \xc7     | Control+q Shift+g   | ∩ intersection               | Ⓦ                 |
| 0200                   | \xe9     | Esc ` Shift+e       | È Egrave                                 | 0200                              | \xc8     | Control+q Shift+h   | ∪ union                      | Ⓧ                 |
| 0201                   | \x83     | Esc ' Shift+e       | É Eacute                                 | 0201                              | \xc9     | Control+q Shift+i   | ⊃ propersuperset             | Ⓨ                 |
| 0202                   | \xe6     | Esc ^ Shift+e       | Ê Ecircumflex                            | 0202                              | \xca     | Control+q Shift+j   | ⊇ reflexsuperset             |                   |
| 0203                   | \xe8     | Esc % Shift+e       | Ë Edieresis                              | 0203                              | \xcb     | Esc ` Shift+a       | ⊄ notsubset                  | Ⓩ                 |
| 0204                   | \xed     | Esc ` Shift+i       | Ì Igrave                                 | 0204                              | \xcc     | Esc ~ Shift+a       | ⊂ propersubset               | ⓐ                 |
| 0205                   | \xea     | Esc ' Shift+i       | Í Iacute                                 | 0205                              | \xcd     | Esc ~ Shift+o       | ⊆ reflexsubset               | ⓑ                 |
| 0206                   | \xeb     | Esc ^ Shift+i       | Î Icircumflex                            | 0206                              | \xce     | Control+q Shift+n   | ∈ element                    | ⓒ                 |
| 0207                   | \xec     | Esc % Shift+i       | Ï Idieresis                              | 0207                              | \xcf     | Control+q Shift+o   | ∉ notelement                 | ⓓ                 |
| 0208                   | \xc3     | Control+q Shift+c   | Ð Reserved                               | 0208                              | \xd0     | Control+q Shift+p   | ∠ angle                      | ⓔ                 |
| 0209                   | \x84     | Esc ~ Shift+n       | Ñ Ntilde                                 | 0209                              | \xd1     | Control+q Shift+q   | ∇ gradient                   | ⓖ                 |
| 0210                   | \xf1     | Esc ` Shift+o       | Ò Ograve                                 | 0210                              | \xd2     | Control+q Shift+r   | ® registerserif              | ⓗ                 |
| 0211                   | \xee     | Esc ' Shift+o       | Ó Oacute                                 | 0211                              | \xd3     | Control+q Shift+s   | © copyrightserif             | ⓙ                 |
| 0212                   | \xef     | Esc ^ Shift+o       | Ô Ocircumflex                            | 0212                              | \xd4     | Control+q Shift+t   | ™ trademarkserif             | ➔                 |
| 0213                   | \xcd     | Esc ~ Shift+o       | Õ Otilde                                 | 0213                              | \xd5     | Control+q Shift+u   | ∏ product                    | ➔                 |
| 0214                   | \x85     | Esc % Shift+o       | Ö Odieresis                              | 0214                              | \xd6     | Control+q Shift+v   | √ radical                    | ➔                 |
| 0215                   | \xb0     | Control+q zero      | × Reserved                               | 0215                              | \xd7     | Control+q Shift+w   | ◇ dotmath                    | ➔                 |
| 0216                   | \xaf     | Control+q /         | Ø Oslash                                 | 0216                              | \xd8     | Esc % y             | ¬ logicalnot                 | ➔                 |
| 0217                   | \xf4     | Esc ` Shift+u       | Ù Ugrave                                 | 0217                              | \xd9     | Esc % Shift+y       | ∧ logicaland                 | ➔                 |

| Standard character set |          |                     |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|---------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 0218                   | \xf2     | Esc ' Shift+u       | Ú Uacute                                 | 0218                              | \xda     | Control+q Shift+z   | v logicalor                  | ↗                 |
| 0219                   | \xf3     | Esc ^ Shift+u       | Û Ucircumflex                            | 0219                              | \xdb     | Control+q [         | ⇔ arrowdblboth               | ↔                 |
| 0220                   | \x86     | Esc % Shift+u       | Ü Udieresis                              | 0220                              | \xdc     | Control+q \         | ⇐ arrowdblleft               | ↔                 |
| 0221                   | \xc5     | Control+q Shift+e   | Ý Reserved                               | 0221                              | \xdd     | Control+q ]         | ↑ arrowdblup                 | ↔                 |
| 0222                   | \xd7     | Control+q Shift+w   | Þ Reserved                               | 0222                              | \xde     | Control+q ^         | ⇒ arrowdblright              | ↔                 |
| 0223                   | \xa7     | Control+q '         | ß germandbls                             | 0223                              | \xdf     | Control+q _         | ↓ arrowdbldown               | ↔                 |
| 0224                   | \x88     | Esc ` a             | à agrave                                 | 0224                              | \xe0     | Control+q `         | ◇ lozenge                    | ➡                 |
| 0225                   | \x87     | Esc ' a             | á aacute                                 | 0225                              | \xe1     | Control+q a         | < angleleft                  | ➡                 |
| 0226                   | \x89     | Esc ^ a             | â acircumflex                            | 0226                              | \xe2     | Control+q b         | ® registersans               | ➤                 |
| 0227                   | \x8b     | Esc ~ a             | ã atilde                                 | 0227                              | \xe3     | Control+q c         | © copyrightsans              | ➤                 |
| 0228                   | \x8a     | Esc % a             | ä adieresis                              | 0228                              | \xe4     | Control+q d         | ™ trademarksans              | ➤                 |
| 0229                   | \x8c     | Esc * a             | å aring                                  | 0229                              | \xe5     | Esc ^ Shift+a       | ∑ summation                  | ➤                 |
| 0230                   | \xbe     | Control+q >         | æ ae                                     | 0230                              | \xe6     | Esc ^ Shift+e       | / parenlefttp                | ➤                 |
| 0231                   | \x8d     | Esc comma c         | ç ccedilla                               | 0231                              | \xe7     | Esc ' Shift+a       | parenleftex                  | ➤                 |
| 0232                   | \x8f     | Esc ` e             | è egrave                                 | 0232                              | \xe8     | Esc % Shift+e       | \ parenleftbt                | ➤                 |
| 0233                   | \x8e     | Esc ' e             | é eacute                                 | 0233                              | \xe9     | Esc ` Shift+e       | [ bracketlefttp              | ⇒                 |
| 0234                   | \x90     | Esc ^ e             | ê ecircumflex                            | 0234                              | \xea     | Esc ' Shift+i       | bracketleftex                | ⇔                 |
| 0235                   | \x91     | Esc % e             | ë edieresis                              | 0235                              | \xeb     | Esc ^ Shift+i       | [ bracketleftbt              | ⇔                 |
| 0236                   | \x92     | Esc ` i             | ì igrave                                 | 0236                              | \xec     | Esc % Shift+i       | { bracelefttp                | ⇔                 |
| 0237                   | \x93     | Esc ' i             | í iacute                                 | 0237                              | \xed     | Esc ` Shift+i       | { braceleftmid               | ⇔                 |
| 0238                   | \x94     | Esc ^ i             | î icircumflex                            | 0238                              | \xee     | Esc ' Shift+o       | [ braceleftbt                | ⇔                 |
| 0239                   | \x95     | Esc % i             | ï idieresis                              | 0239                              | \xef     | Esc ^ Shift+o       | braceex                      | ⇔                 |
| 0240                   | \xb2     | Control+q 2         | ð Reserved                               | 0240                              | \xf0     |                     | Reserved                     |                   |
| 0241                   | \x96     | Esc ~ n             | ñ ntilde                                 | 0241                              | \xf1     | Esc ` Shift+o       | > angleright                 | ⇔                 |
| 0242                   | \x98     | Esc ` o             | ò ograve                                 | 0242                              | \xf2     | Esc ' Shift+u       | ∫ integral                   | ⦿                 |
| 0243                   | \x97     | Esc ' o             | ó oacute                                 | 0243                              | \xf3     | Esc ^ Shift+u       | ∫ integraltp                 | ⇒                 |
| 0244                   | \x99     | Esc ^ o             | ô ocircumflex                            | 0244                              | \xf4     | Esc ` Shift+u       | integralex                   | ➤                 |
| 0245                   | \x9b     | Esc ~ o             | õ otilde                                 | 0245                              | \xf5     | Control+q u         | J integralbt                 | ➤                 |
| 0246                   | \x9a     | Esc % o             | ö odieresis                              | 0246                              | \xf6     | Control+q v         | \ parenrighttp               | ➤                 |
| 0247                   | \xd6     | Control+q Shift+v   | ÷ Reserved                               | 0247                              | \xf7     | Control+q w         | parenrightex                 | ➤                 |

| Standard character set |          |                     |  | Symbol and Dingbats character set |          |                     |                              |                   |
|------------------------|----------|---------------------|--|-----------------------------------|----------|---------------------|------------------------------|-------------------|
| ANSI no.               | Hex code | Key or key sequence | Standard character set: graphic and name | ANSI no.                          | Hex code | Key or key sequence | Symbol set: graphic and name | Dingbats: graphic |
| 0248                   | \xbf     | Control+q ?         | ø oslash                                 | 0248                              | \xf8     | Control+q x         | / parenrightbt               | ➤                 |
| 0249                   | \x9d     | Esc ` u             | ù ugrave                                 | 0249                              | \xf9     | Control+q y         | ] bracketrighttp             | ➤                 |
| 0250                   | \x9c     | Esc ' u             | ú uacute                                 | 0250                              | \xfa     | Control+q z         | bracketrighttex              | ->                |
| 0251                   | \x9e     | Esc ^ u             | û ucircumflex                            | 0251                              | \xfb     | Control+q {         | ] bracketrightbt             | ➤                 |
| 0252                   | \x9f     | Esc % u             | ü udieresis                              | 0252                              | \xfc     | Control+q   (pipe)  | ] bracerighttp               | ➤                 |
| 0253                   | \xc6     | Control+q Shift+f   | ý Reserved                               | 0253                              | \xfd     | Control+q }         | { bracerightmid              | ➤                 |
| 0254                   | \xca     | Control+q Shift+j   | þ Reserved                               | 0254                              | \xfe     | Control+q ~         | ] bracerightbt               | ➤                 |
| 0255                   | \xd8     | Esc % y             | ÿ ydieresis                              | 0255                              |          |                     |                              |                   |

## Unicode symbols

| symbol | character        | description                                      |
|--------|------------------|--|
| 0041;  | A                | LATIN CAPITAL LETTER A                           |
| 00C6;  | AE               | LATIN CAPITAL LIGATURE AE                        |
| 01FC;  | AEacute          | LATIN CAPITAL LIGATURE AE WITH ACUTE             |
| F7E6;  | AEsmall          | LATIN SMALL CAPITAL LIGATURE AE                  |
| 00C1;  | Aacute           | LATIN CAPITAL LETTER A WITH ACUTE                |
| F7E1;  | Aacutesmall      | LATIN SMALL CAPITAL LETTER A WITH ACUTE          |
| 0102;  | Abreve           | LATIN CAPITAL LETTER A WITH BREVE                |
| 00C2;  | Acircumflex      | LATIN CAPITAL LETTER A WITH CIRCUMFLEX           |
| F7E2;  | Acircumflexsmall | LATIN SMALL CAPITAL LETTER A WITH CIRCUMFLEX     |
| F6C9;  | Acute            | CAPITAL ACUTE ACCENT                             |
| F7B4;  | Acutesmall       | SMALL CAPITAL ACUTE ACCENT                       |
| 00C4;  | Adieresis        | LATIN CAPITAL LETTER A WITH DIERESIS             |
| F7E4;  | Adieresissmall   | LATIN SMALL CAPITAL LETTER A WITH DIERESIS       |
| 00C0;  | Agrave           | LATIN CAPITAL LETTER A WITH GRAVE                |
| F7E0;  | Agravesmall      | LATIN SMALL CAPITAL LETTER A WITH GRAVE          |
| 0391;  | Alpha            | GREEK CAPITAL LETTER ALPHA                       |
| 0386;  | Alphatonos       | GREEK CAPITAL LETTER ALPHA WITH TONOS            |
| 0100;  | Amacron          | LATIN CAPITAL LETTER A WITH MACRON               |
| 0104;  | Aogonek          | LATIN CAPITAL LETTER A WITH OGONEK               |
| 00C5;  | Aring            | LATIN CAPITAL LETTER A WITH RING ABOVE           |
| 01FA;  | Aringacute       | LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE |
| F7E5;  | Aringsmall       | LATIN SMALL CAPITAL LETTER A WITH RING ABOVE     |
| F761;  | Asmall           | LATIN SMALL CAPITAL LETTER A                     |
| 00C3;  | Atilde           | LATIN CAPITAL LETTER A WITH TILDE                |
| F7E3;  | Atildesmall      | LATIN SMALL CAPITAL LETTER A WITH TILDE          |
| 0042;  | B                | LATIN CAPITAL LETTER B                           |
| 0392;  | Beta             | GREEK CAPITAL LETTER BETA                        |
| F6F4;  | Brevesmall       | SMALL CAPITAL BREVE                              |
| F762;  | Bsmall           | LATIN SMALL CAPITAL LETTER B                     |
| 0043;  | C                | LATIN CAPITAL LETTER C                           |
| 0106;  | Cacute           | LATIN CAPITAL LETTER C WITH ACUTE                |
| F6CA;  | Caron            | CAPITAL CARON                                    |
| F6F5;  | Caronsmall       | SMALL CAPITAL CARON                              |

| <b>symbol</b> | <b>character</b> | <b>description</b>                              |
|---------------|------------------|---|
| 010C;         | Ccaron           | LATIN CAPITAL LETTER C WITH CARON               |
| 00C7;         | Ccedilla         | LATIN CAPITAL LETTER C WITH CEDILLA             |
| F7E7;         | Ccedillasmall    | LATIN SMALL CAPITAL LETTER C WITH CEDILLA       |
| 0108;         | Ccircumflex      | LATIN CAPITAL LETTER C WITH CIRCUMFLEX          |
| 010A;         | Cdotaccent       | LATIN CAPITAL LETTER C WITH DOT ABOVE           |
| F7B8;         | Cedillasmall     | SMALL CAPITAL CEDILLA                           |
| 03A7;         | Chi              | GREEK CAPITAL LETTER CHI                        |
| F6F6;         | Circumflexsmall  | SMALL CAPITAL MODIFIER LETTER CIRCUMFLEX ACCENT |
| F763;         | Csmall           | LATIN SMALL CAPITAL LETTER C                    |
| 0044;         | D                | LATIN CAPITAL LETTER D                          |
| 010E;         | Dcaron           | LATIN CAPITAL LETTER D WITH CARON               |
| 0110;         | Dcroat           | LATIN CAPITAL LETTER D WITH STROKE              |
| 2206;         | Delta            | INCREMENT                                       |
| 0394;         | Delta            | GREEK CAPITAL LETTER DELTA                      |
| F6CB;         | Dieresis         | CAPITAL DIERESIS                                |
| F6CC;         | DieresisAcute    | CAPITAL DIERESIS ACUTE ACCENT                   |
| F6CD;         | DieresisGrave    | CAPITAL DIERESIS GRAVE ACCENT                   |
| F7A8;         | Dieresissmall    | SMALL CAPITAL DIERESIS                          |
| F6F7;         | Dotaccentsmall   | SMALL CAPITAL DOT ABOVE                         |
| F764;         | Dsmall           | LATIN SMALL CAPITAL LETTER D                    |
| 0045;         | E                | LATIN CAPITAL LETTER E                          |
| 00C9;         | Eacute           | LATIN CAPITAL LETTER E WITH ACUTE               |
| F7E9;         | Eacutesmall      | LATIN SMALL CAPITAL LETTER E WITH ACUTE         |
| 0114;         | Ebreve           | LATIN CAPITAL LETTER E WITH BREVE               |
| 011A;         | Ecaron           | LATIN CAPITAL LETTER E WITH CARON               |
| 00CA;         | Ecircumflex      | LATIN CAPITAL LETTER E WITH CIRCUMFLEX          |
| F7EA;         | Ecircumflexsmall | LATIN SMALL CAPITAL LETTER E WITH CIRCUMFLEX    |
| 00CB;         | Edieresis        | LATIN CAPITAL LETTER E WITH DIERESIS            |
| F7EB;         | Edieresissmall   | LATIN SMALL CAPITAL LETTER E WITH DIERESIS      |
| 0116;         | Edotaccent       | LATIN CAPITAL LETTER E WITH DOT ABOVE           |
| 00C8;         | Egrave           | LATIN CAPITAL LETTER E WITH GRAVE               |
| F7E8;         | Egravesmall      | LATIN SMALL CAPITAL LETTER E WITH GRAVE         |
| 0112;         | Emacron          | LATIN CAPITAL LETTER E WITH MACRON              |

| <b>symbol</b> | <b>character</b>  | <b>description</b>                      |
|---------------|-------------------|---|
| 014A;         | Eng               | LATIN CAPITAL LETTER ENG                |
| 0118;         | Eogonek           | LATIN CAPITAL LETTER E WITH OGONEK      |
| 0395;         | Epsilon           | GREEK CAPITAL LETTER EPSILON            |
| 0388;         | Epsilontonos      | GREEK CAPITAL LETTER EPSILON WITH TONOS |
| F765;         | Esmall            | LATIN SMALL CAPITAL LETTER E            |
| 0397;         | Eta               | GREEK CAPITAL LETTER ETA                |
| 0389;         | Etatonos          | GREEK CAPITAL LETTER ETA WITH TONOS     |
| 00D0;         | Eth               | LATIN CAPITAL LETTER ETH                |
| F7F0;         | Ethsmall          | LATIN SMALL CAPITAL LETTER ETH          |
| 20AC;         | Euro              | EURO SIGN                               |
| 0046;         | F                 | LATIN CAPITAL LETTER F                  |
| F766;         | Fsmall            | LATIN SMALL CAPITAL LETTER F            |
| 0047;         | G                 | LATIN CAPITAL LETTER G                  |
| 0393;         | Gamma             | GREEK CAPITAL LETTER GAMMA              |
| 011E;         | Gbreve            | LATIN CAPITAL LETTER G WITH BREVE       |
| 01E6;         | Gcaron            | LATIN CAPITAL LETTER G WITH CARON       |
| 011C;         | Gcircumflex       | LATIN CAPITAL LETTER G WITH CIRCUMFLEX  |
| 0122;         | Gcommaaccent      | LATIN CAPITAL LETTER G WITH CEDILLA     |
| 0120;         | Gdotaccent        | LATIN CAPITAL LETTER G WITH DOT ABOVE   |
| F6CE;         | Grave             | CAPITAL GRAVE ACCENT                    |
| F760;         | Gravesmall        | SMALL CAPITAL GRAVE ACCENT              |
| F767;         | Gsmall            | LATIN SMALL CAPITAL LETTER G            |
| 0048;         | H                 | LATIN CAPITAL LETTER H                  |
| 25CF;         | H18533            | BLACK CIRCLE                            |
| 25AA;         | H18543            | BLACK SMALL SQUARE                      |
| 25AB;         | H18551            | WHITE SMALL SQUARE                      |
| 25A1;         | H22073            | WHITE SQUARE                            |
| 0126;         | Hbar              | LATIN CAPITAL LETTER H WITH STROKE      |
| 0124;         | Hcircumflex       | LATIN CAPITAL LETTER H WITH CIRCUMFLEX  |
| F768;         | Hsmall            | LATIN SMALL CAPITAL LETTER H            |
| F6CF;         | Hungarumlaut      | CAPITAL DOUBLE ACUTE ACCENT             |
| F6F8;         | Hungarumlautsmall | SMALL CAPITAL DOUBLE ACUTE ACCENT       |
| 0049;         | I                 | LATIN CAPITAL LETTER I                  |



| <b>symbol</b> | <b>character</b> | <b>description</b>                           |
|---------------|------------------|--|
| 0132;         | IJ               | LATIN CAPITAL LIGATURE IJ                    |
| 00CD;         | lacute           | LATIN CAPITAL LETTER I WITH ACUTE            |
| F7ED;         | lacutesmall      | LATIN SMALL CAPITAL LETTER I WITH ACUTE      |
| 012C;         | lbreve           | LATIN CAPITAL LETTER I WITH BREVE            |
| 00CE;         | lcircumflex      | LATIN CAPITAL LETTER I WITH CIRCUMFLEX       |
| F7EE;         | lcircumflexsmall | LATIN SMALL CAPITAL LETTER I WITH CIRCUMFLEX |
| 00CF;         | ldieresis        | LATIN CAPITAL LETTER I WITH DIERESIS         |
| F7EF;         | ldieresissmall   | LATIN SMALL CAPITAL LETTER I WITH DIERESIS   |
| 0130;         | ldotaccent       | LATIN CAPITAL LETTER I WITH DOT ABOVE        |
| 2111;         | lfraktur         | BLACK-LETTER CAPITAL I                       |
| 00CC;         | lgrave           | LATIN CAPITAL LETTER I WITH GRAVE            |
| F7EC;         | lgravesmall      | LATIN SMALL CAPITAL LETTER I WITH GRAVE      |
| 012A;         | lmacron          | LATIN CAPITAL LETTER I WITH MACRON           |
| 012E;         | logonek          | LATIN CAPITAL LETTER I WITH OGONEK           |
| 0399;         | lota             | GREEK CAPITAL LETTER IOTA                    |
| 03AA;         | lotadieresis     | GREEK CAPITAL LETTER IOTA WITH DIALYTIKA     |
| 038A;         | lotatonos        | GREEK CAPITAL LETTER IOTA WITH TONOS         |
| F769;         | lsmall           | LATIN SMALL CAPITAL LETTER I                 |
| 0128;         | ltilde           | LATIN CAPITAL LETTER I WITH TILDE            |
| 004A;         | J                | LATIN CAPITAL LETTER J                       |
| 0134;         | Jcircumflex      | LATIN CAPITAL LETTER J WITH CIRCUMFLEX       |
| F76A;         | Jsmall           | LATIN SMALL CAPITAL LETTER J                 |
| 004B;         | K                | LATIN CAPITAL LETTER K                       |
| 039A;         | Kappa            | GREEK CAPITAL LETTER KAPPA                   |
| 0136;         | Kcommaaccent     | LATIN CAPITAL LETTER K WITH CEDILLA          |
| F76B;         | Ksmall           | LATIN SMALL CAPITAL LETTER K                 |
| 004C;         | L                | LATIN CAPITAL LETTER L                       |
| F6BF;         | LL               | LATIN CAPITAL LETTER LL                      |
| 0139;         | Lacute           | LATIN CAPITAL LETTER L WITH ACUTE            |
| 039B;         | Lambda           | GREEK CAPITAL LETTER LAMDA                   |
| 013D;         | Lcaron           | LATIN CAPITAL LETTER L WITH CARON            |
| 013B;         | Lcommaaccent     | LATIN CAPITAL LETTER L WITH CEDILLA          |
| 013F;         | Ldot             | LATIN CAPITAL LETTER L WITH MIDDLE DOT       |

| <b>symbol</b> | <b>character</b> | <b>description</b>                           |
|---------------|------------------|--|
| 0141;         | Lslash           | LATIN CAPITAL LETTER L WITH STROKE           |
| F6F9;         | Lslashsmall      | LATIN SMALL CAPITAL LETTER L WITH STROKE     |
| F76C;         | Lsmall           | LATIN SMALL CAPITAL LETTER L                 |
| 004D;         | M                | LATIN CAPITAL LETTER M                       |
| F6D0;         | Macron           | CAPITAL MACRON                               |
| F7AF;         | Macronsmall      | SMALL CAPITAL MACRON                         |
| F76D;         | Msmall           | LATIN SMALL CAPITAL LETTER M                 |
| 039C;         | Mu               | GREEK CAPITAL LETTER MU                      |
| 004E;         | N                | LATIN CAPITAL LETTER N                       |
| 0143;         | Nacute           | LATIN CAPITAL LETTER N WITH ACUTE            |
| 0147;         | Ncaron           | LATIN CAPITAL LETTER N WITH CARON            |
| 0145;         | Ncommaaccent     | LATIN CAPITAL LETTER N WITH CEDILLA          |
| F76E;         | Nsmall           | LATIN SMALL CAPITAL LETTER N                 |
| 00D1;         | Ntilde           | LATIN CAPITAL LETTER N WITH TILDE            |
| F7F1;         | Ntildesmall      | LATIN SMALL CAPITAL LETTER N WITH TILDE      |
| 039D;         | Nu               | GREEK CAPITAL LETTER NU                      |
| 004F;         | O                | LATIN CAPITAL LETTER O                       |
| 0152;         | OE               | LATIN CAPITAL LIGATURE OE                    |
| F6FA;         | OEmall           | LATIN SMALL CAPITAL LIGATURE OE              |
| 00D3;         | Oacute           | LATIN CAPITAL LETTER O WITH ACUTE            |
| F7F3;         | Oacutesmall      | LATIN SMALL CAPITAL LETTER O WITH ACUTE      |
| 014E;         | Obreve           | LATIN CAPITAL LETTER O WITH BREVE            |
| 00D4;         | Ocircumflex      | LATIN CAPITAL LETTER O WITH CIRCUMFLEX       |
| F7F4;         | Ocircumflexsmall | LATIN SMALL CAPITAL LETTER O WITH CIRCUMFLEX |
| 00D6;         | Odieresis        | LATIN CAPITAL LETTER O WITH DIERESIS         |
| F7F6;         | Odieresissmall   | LATIN SMALL CAPITAL LETTER O WITH DIERESIS   |
| F6FB;         | Ogoneksmall      | SMALL CAPITAL OGONEK                         |
| 00D2;         | Ograve           | LATIN CAPITAL LETTER O WITH GRAVE            |
| F7F2;         | Ogravesmall      | LATIN SMALL CAPITAL LETTER O WITH GRAVE      |
| 01A0;         | Ohorn            | LATIN CAPITAL LETTER O WITH HORN             |
| 0150;         | Ohungarumlaut    | LATIN CAPITAL LETTER O WITH DOUBLE ACUTE     |
| 014C;         | Omacron          | LATIN CAPITAL LETTER O WITH MACRON           |
| 2126;         | Omega            | OHM SIGN                                     |

| <b>symbol</b> | <b>character</b> | <b>description</b>                           |
|---------------|------------------|--|
| 03A9;         | Omega            | GREEK CAPITAL LETTER OMEGA                   |
| 038F;         | Omegatonos       | GREEK CAPITAL LETTER OMEGA WITH TONOS        |
| 039F;         | Omicron          | GREEK CAPITAL LETTER OMICRON                 |
| 038C;         | Omicrontonos     | GREEK CAPITAL LETTER OMICRON WITH TONOS      |
| 00D8;         | Oslash           | LATIN CAPITAL LETTER O WITH STROKE           |
| 01FE;         | Oslashacute      | LATIN CAPITAL LETTER O WITH STROKE AND ACUTE |
| F7F8;         | Oslashsmall      | LATIN SMALL CAPITAL LETTER O WITH STROKE     |
| F76F;         | Osmall           | LATIN SMALL CAPITAL LETTER O                 |
| 00D5;         | Otilde           | LATIN CAPITAL LETTER O WITH TILDE            |
| F7F5;         | Otildesmall      | LATIN SMALL CAPITAL LETTER O WITH TILDE      |
| 0050;         | P                | LATIN CAPITAL LETTER P                       |
| 03A6;         | Phi              | GREEK CAPITAL LETTER PHI                     |
| 03A0;         | Pi               | GREEK CAPITAL LETTER PI                      |
| 03A8;         | Psi              | GREEK CAPITAL LETTER PSI                     |
| F770;         | Psmall           | LATIN SMALL CAPITAL LETTER P                 |
| 0051;         | Q                | LATIN CAPITAL LETTER Q                       |
| F771;         | Qsmall           | LATIN SMALL CAPITAL LETTER Q                 |
| 0052;         | R                | LATIN CAPITAL LETTER R                       |
| 0154;         | Racute           | LATIN CAPITAL LETTER R WITH ACUTE            |
| 0158;         | Rcaron           | LATIN CAPITAL LETTER R WITH CARON            |
| 0156;         | Rcommaaccent     | LATIN CAPITAL LETTER R WITH CEDILLA          |
| 211C;         | Rfraktur         | BLACK-LETTER CAPITAL R                       |
| 03A1;         | Rho              | GREEK CAPITAL LETTER RHO                     |
| F6FC;         | Ringsmall        | SMALL CAPITAL RING ABOVE                     |
| F772;         | Rsmall           | LATIN SMALL CAPITAL LETTER R                 |
| 0053;         | S                | LATIN CAPITAL LETTER S                       |
| 250C;         | SF010000         | BOX DRAWINGS LIGHT DOWN AND RIGHT            |
| 2514;         | SF020000         | BOX DRAWINGS LIGHT UP AND RIGHT              |
| 2510;         | SF030000         | BOX DRAWINGS LIGHT DOWN AND LEFT             |
| 2518;         | SF040000         | BOX DRAWINGS LIGHT UP AND LEFT               |
| 253C;         | SF050000         | BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL   |
| 252C;         | SF060000         | BOX DRAWINGS LIGHT DOWN AND HORIZONTAL       |
| 2534;         | SF070000         | BOX DRAWINGS LIGHT UP AND HORIZONTAL         |

| <b>symbol</b> | <b>character</b> | <b>description</b>                                 |
|---------------|------------------|--|
| 251C;         | SF080000         | BOX DRAWINGS LIGHT VERTICAL AND RIGHT              |
| 2524;         | SF090000         | BOX DRAWINGS LIGHT VERTICAL AND LEFT               |
| 2500;         | SF100000         | BOX DRAWINGS LIGHT HORIZONTAL                      |
| 2502;         | SF110000         | BOX DRAWINGS LIGHT VERTICAL                        |
| 2561;         | SF190000         | BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE       |
| 2562;         | SF200000         | BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE       |
| 2556;         | SF210000         | BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE           |
| 2555;         | SF220000         | BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE           |
| 2563;         | SF230000         | BOX DRAWINGS DOUBLE VERTICAL AND LEFT              |
| 2551;         | SF240000         | BOX DRAWINGS DOUBLE VERTICAL                       |
| 2557;         | SF250000         | BOX DRAWINGS DOUBLE DOWN AND LEFT                  |
| 255D;         | SF260000         | BOX DRAWINGS DOUBLE UP AND LEFT                    |
| 255C;         | SF270000         | BOX DRAWINGS UP DOUBLE AND LEFT SINGLE             |
| 255B;         | SF280000         | BOX DRAWINGS UP SINGLE AND LEFT DOUBLE             |
| 255E;         | SF360000         | BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE      |
| 255F;         | SF370000         | BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE      |
| 255A;         | SF380000         | BOX DRAWINGS DOUBLE UP AND RIGHT                   |
| 2554;         | SF390000         | BOX DRAWINGS DOUBLE DOWN AND RIGHT                 |
| 2569;         | SF400000         | BOX DRAWINGS DOUBLE UP AND HORIZONTAL              |
| 2566;         | SF410000         | BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL            |
| 2560;         | SF420000         | BOX DRAWINGS DOUBLE VERTICAL AND RIGHT             |
| 2550;         | SF430000         | BOX DRAWINGS DOUBLE HORIZONTAL                     |
| 256C;         | SF440000         | BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL        |
| 2567;         | SF450000         | BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE       |
| 2568;         | SF460000         | BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE       |
| 2564;         | SF470000         | BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE     |
| 2565;         | SF480000         | BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE     |
| 2559;         | SF490000         | BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE            |
| 2558;         | SF500000         | BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE            |
| 2552;         | SF510000         | BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE          |
| 2553;         | SF520000         | BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE          |
| 256B;         | SF530000         | BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE |
| 256A;         | SF540000         | BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE |

| <b>symbol</b> | <b>character</b> | <b>description</b>                           |
|---------------|------------------|--|
| 015A;         | Sacute           | LATIN CAPITAL LETTER S WITH ACUTE            |
| 0160;         | Scaron           | LATIN CAPITAL LETTER S WITH CARON            |
| F6FD;         | Scaronsmall      | LATIN SMALL CAPITAL LETTER S WITH CARON      |
| 015E;         | Scedilla         | LATIN CAPITAL LETTER S WITH CEDILLA          |
| F6C1;         | Scedilla         | LATIN CAPITAL LETTER S WITH CEDILLA          |
| 015C;         | Scircumflex      | LATIN CAPITAL LETTER S WITH CIRCUMFLEX       |
| 0218;         | Scommaaccent     | LATIN CAPITAL LETTER S WITH COMMA BELOW      |
| 03A3;         | Sigma            | GREEK CAPITAL LETTER SIGMA                   |
| F773;         | Ssmall           | LATIN SMALL CAPITAL LETTER S                 |
| 0054;         | T                | LATIN CAPITAL LETTER T                       |
| 03A4;         | Tau              | GREEK CAPITAL LETTER TAU                     |
| 0166;         | Tbar             | LATIN CAPITAL LETTER T WITH STROKE           |
| 0164;         | Tcaron           | LATIN CAPITAL LETTER T WITH CARON            |
| 0162;         | Tcommaaccent     | LATIN CAPITAL LETTER T WITH CEDILLA          |
| 021A;         | Tcommaaccent     | LATIN CAPITAL LETTER T WITH COMMA BELOW      |
| 0398;         | Theta            | GREEK CAPITAL LETTER THETA                   |
| 00DE;         | Thorn            | LATIN CAPITAL LETTER THORN                   |
| F7FE;         | Thornsmall       | LATIN SMALL CAPITAL LETTER THORN             |
| F6FE;         | Tildesmall       | SMALL CAPITAL SMALL TILDE                    |
| F774;         | Tsmall           | LATIN SMALL CAPITAL LETTER T                 |
| 0055;         | U                | LATIN CAPITAL LETTER U                       |
| 00DA;         | Uacute           | LATIN CAPITAL LETTER U WITH ACUTE            |
| F7FA;         | Uacutesmall      | LATIN SMALL CAPITAL LETTER U WITH ACUTE      |
| 016C;         | Ubreve           | LATIN CAPITAL LETTER U WITH BREVE            |
| 00DB;         | Ucircumflex      | LATIN CAPITAL LETTER U WITH CIRCUMFLEX       |
| F7FB;         | Ucircumflexsmall | LATIN SMALL CAPITAL LETTER U WITH CIRCUMFLEX |
| 00DC;         | Udieresis        | LATIN CAPITAL LETTER U WITH DIERESIS         |
| F7FC;         | Udieresissmall   | LATIN SMALL CAPITAL LETTER U WITH DIERESIS   |
| 00D9;         | Ugrave           | LATIN CAPITAL LETTER U WITH GRAVE            |
| F7F9;         | Ugravesmall      | LATIN SMALL CAPITAL LETTER U WITH GRAVE      |
| 01AF;         | Uhorn            | LATIN CAPITAL LETTER U WITH HORN             |
| 0170;         | Uhungarumlaut    | LATIN CAPITAL LETTER U WITH DOUBLE ACUTE     |
| 016A;         | Umacron          | LATIN CAPITAL LETTER U WITH MACRON           |

| <b>symbol</b> | <b>character</b> | <b>description</b>                          |
|---------------|------------------|---|
| 0172;         | Uogonek          | LATIN CAPITAL LETTER U WITH OGONEK          |
| 03A5;         | Upsilon          | GREEK CAPITAL LETTER UPSILON                |
| 03D2;         | Upsilon1         | GREEK UPSILON WITH HOOK SYMBOL              |
| 03AB;         | Upsilondieresis  | GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA |
| 038E;         | Upsilontonos     | GREEK CAPITAL LETTER UPSILON WITH TONOS     |
| 016E;         | Uring            | LATIN CAPITAL LETTER U WITH RING ABOVE      |
| F775;         | Usmall           | LATIN SMALL CAPITAL LETTER U                |
| 0168;         | Utilde           | LATIN CAPITAL LETTER U WITH TILDE           |
| 0056;         | V                | LATIN CAPITAL LETTER V                      |
| F776;         | Vsmall           | LATIN SMALL CAPITAL LETTER V                |
| 0057;         | W                | LATIN CAPITAL LETTER W                      |
| 1E82;         | Wacute           | LATIN CAPITAL LETTER W WITH ACUTE           |
| 0174;         | Wcircumflex      | LATIN CAPITAL LETTER W WITH CIRCUMFLEX      |
| 1E84;         | Wdieresis        | LATIN CAPITAL LETTER W WITH DIERESIS        |
| 1E80;         | Wgrave           | LATIN CAPITAL LETTER W WITH GRAVE           |
| F777;         | Wsmall           | LATIN SMALL CAPITAL LETTER W                |
| 0058;         | X                | LATIN CAPITAL LETTER X                      |
| 039E;         | Xi               | GREEK CAPITAL LETTER XI                     |
| F778;         | Xsmall           | LATIN SMALL CAPITAL LETTER X                |
| 0059;         | Y                | LATIN CAPITAL LETTER Y                      |
| 00DD;         | Yacute           | LATIN CAPITAL LETTER Y WITH ACUTE           |
| F7FD;         | Yacutesmall      | LATIN SMALL CAPITAL LETTER Y WITH ACUTE     |
| 0176;         | Ycircumflex      | LATIN CAPITAL LETTER Y WITH CIRCUMFLEX      |
| 0178;         | Ydieresis        | LATIN CAPITAL LETTER Y WITH DIERESIS        |
| F7FF;         | Ydieresissmall   | LATIN SMALL CAPITAL LETTER Y WITH DIERESIS  |
| 1EF2;         | Ygrave           | LATIN CAPITAL LETTER Y WITH GRAVE           |
| F779;         | Ysmall           | LATIN SMALL CAPITAL LETTER Y                |
| 005A;         | Z                | LATIN CAPITAL LETTER Z                      |
| 0179;         | Zacute           | LATIN CAPITAL LETTER Z WITH ACUTE           |
| 017D;         | Zcaron           | LATIN CAPITAL LETTER Z WITH CARON           |
| F6FF;         | Zcaronsmall      | LATIN SMALL CAPITAL LETTER Z WITH CARON     |
| 017B;         | Zdotaccent       | LATIN CAPITAL LETTER Z WITH DOT ABOVE       |
| 0396;         | Zeta             | GREEK CAPITAL LETTER ZETA                   |

| <b>symbol</b> | <b>character</b> | <b>description</b>                   |
|---------------|------------------|--------------------------------------|
| F77A;         | Zsmall           | LATIN SMALL CAPITAL LETTER Z         |
| 0061;         | a                | LATIN SMALL LETTER A                 |
| 00E1;         | aacute           | LATIN SMALL LETTER A WITH ACUTE      |
| 0103;         | abreve           | LATIN SMALL LETTER A WITH BREVE      |
| 00E2;         | acircumflex      | LATIN SMALL LETTER A WITH CIRCUMFLEX |
| 00B4;         | acute            | ACUTE ACCENT                         |
| 0301;         | acutecomb        | COMBINING ACUTE ACCENT               |
| 00E4;         | adieresis        | LATIN SMALL LETTER A WITH DIERESIS   |
| 00E6;         | ae               | LATIN SMALL LIGATURE AE              |
| 01FD;         | aeacute          | LATIN SMALL LIGATURE AE WITH ACUTE   |
| 2015;         | afi00208         | HORIZONTAL BAR                       |
| 0410;         | afi10017         | CYRILLIC CAPITAL LETTER A            |
| 0411;         | afi10018         | CYRILLIC CAPITAL LETTER BE           |
| 0412;         | afi10019         | CYRILLIC CAPITAL LETTER VE           |
| 0413;         | afi10020         | CYRILLIC CAPITAL LETTER GHE          |
| 0414;         | afi10021         | CYRILLIC CAPITAL LETTER DE           |
| 0415;         | afi10022         | CYRILLIC CAPITAL LETTER IE           |
| 0401;         | afi10023         | CYRILLIC CAPITAL LETTER IO           |
| 0416;         | afi10024         | CYRILLIC CAPITAL LETTER ZHE          |
| 0417;         | afi10025         | CYRILLIC CAPITAL LETTER ZE           |
| 0418;         | afi10026         | CYRILLIC CAPITAL LETTER I            |
| 0419;         | afi10027         | CYRILLIC CAPITAL LETTER SHORT I      |
| 041A;         | afi10028         | CYRILLIC CAPITAL LETTER KA           |
| 041B;         | afi10029         | CYRILLIC CAPITAL LETTER EL           |
| 041C;         | afi10030         | CYRILLIC CAPITAL LETTER EM           |
| 041D;         | afi10031         | CYRILLIC CAPITAL LETTER EN           |
| 041E;         | afi10032         | CYRILLIC CAPITAL LETTER O            |
| 041F;         | afi10033         | CYRILLIC CAPITAL LETTER PE           |
| 0420;         | afi10034         | CYRILLIC CAPITAL LETTER ER           |
| 0421;         | afi10035         | CYRILLIC CAPITAL LETTER ES           |
| 0422;         | afi10036         | CYRILLIC CAPITAL LETTER TE           |
| 0423;         | afi10037         | CYRILLIC CAPITAL LETTER U            |
| 0424;         | afi10038         | CYRILLIC CAPITAL LETTER EF           |

| <b>symbol</b> | <b>character</b> | <b>description</b>                               |
|---------------|------------------|--|
| 0425;         | afii10039        | CYRILLIC CAPITAL LETTER HA                       |
| 0426;         | afii10040        | CYRILLIC CAPITAL LETTER TSE                      |
| 0427;         | afii10041        | CYRILLIC CAPITAL LETTER CHE                      |
| 0428;         | afii10042        | CYRILLIC CAPITAL LETTER SHA                      |
| 0429;         | afii10043        | CYRILLIC CAPITAL LETTER SHCHA                    |
| 042A;         | afii10044        | CYRILLIC CAPITAL LETTER HARD SIGN                |
| 042B;         | afii10045        | CYRILLIC CAPITAL LETTER YERU                     |
| 042C;         | afii10046        | CYRILLIC CAPITAL LETTER SOFT SIGN                |
| 042D;         | afii10047        | CYRILLIC CAPITAL LETTER E                        |
| 042E;         | afii10048        | CYRILLIC CAPITAL LETTER YU                       |
| 042F;         | afii10049        | CYRILLIC CAPITAL LETTER YA                       |
| 0490;         | afii10050        | CYRILLIC CAPITAL LETTER GHE WITH UPTURN          |
| 0402;         | afii10051        | CYRILLIC CAPITAL LETTER DJE                      |
| 0403;         | afii10052        | CYRILLIC CAPITAL LETTER GJE                      |
| 0404;         | afii10053        | CYRILLIC CAPITAL LETTER UKRAINIAN IE             |
| 0405;         | afii10054        | CYRILLIC CAPITAL LETTER DZE                      |
| 0406;         | afii10055        | CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I |
| 0407;         | afii10056        | CYRILLIC CAPITAL LETTER YI                       |
| 0408;         | afii10057        | CYRILLIC CAPITAL LETTER JE                       |
| 0409;         | afii10058        | CYRILLIC CAPITAL LETTER LJE                      |
| 040A;         | afii10059        | CYRILLIC CAPITAL LETTER NJE                      |
| 040B;         | afii10060        | CYRILLIC CAPITAL LETTER TSHE                     |
| 040C;         | afii10061        | CYRILLIC CAPITAL LETTER KJE                      |
| 040E;         | afii10062        | CYRILLIC CAPITAL LETTER SHORT U                  |
| F6C4;         | afii10063        | CYRILLIC SMALL LETTER GHE VARIANT                |
| F6C5;         | afii10064        | CYRILLIC SMALL LETTER BE VARIANT                 |
| 0430;         | afii10065        | CYRILLIC SMALL LETTER A                          |
| 0431;         | afii10066        | CYRILLIC SMALL LETTER BE                         |
| 0432;         | afii10067        | CYRILLIC SMALL LETTER VE                         |
| 0433;         | afii10068        | CYRILLIC SMALL LETTER GHE                        |
| 0434;         | afii10069        | CYRILLIC SMALL LETTER DE                         |
| 0435;         | afii10070        | CYRILLIC SMALL LETTER IE                         |
| 0451;         | afii10071        | CYRILLIC SMALL LETTER IO                         |



| <b>symbol</b> | <b>character</b> | <b>description</b>                             |
|---------------|------------------|--|
| 0436;         | afii10072        | CYRILLIC SMALL LETTER ZHE                      |
| 0437;         | afii10073        | CYRILLIC SMALL LETTER ZE                       |
| 0438;         | afii10074        | CYRILLIC SMALL LETTER I                        |
| 0439;         | afii10075        | CYRILLIC SMALL LETTER SHORT I                  |
| 043A;         | afii10076        | CYRILLIC SMALL LETTER KA                       |
| 043B;         | afii10077        | CYRILLIC SMALL LETTER EL                       |
| 043C;         | afii10078        | CYRILLIC SMALL LETTER EM                       |
| 043D;         | afii10079        | CYRILLIC SMALL LETTER EN                       |
| 043E;         | afii10080        | CYRILLIC SMALL LETTER O                        |
| 043F;         | afii10081        | CYRILLIC SMALL LETTER PE                       |
| 0440;         | afii10082        | CYRILLIC SMALL LETTER ER                       |
| 0441;         | afii10083        | CYRILLIC SMALL LETTER ES                       |
| 0442;         | afii10084        | CYRILLIC SMALL LETTER TE                       |
| 0443;         | afii10085        | CYRILLIC SMALL LETTER U                        |
| 0444;         | afii10086        | CYRILLIC SMALL LETTER EF                       |
| 0445;         | afii10087        | CYRILLIC SMALL LETTER HA                       |
| 0446;         | afii10088        | CYRILLIC SMALL LETTER TSE                      |
| 0447;         | afii10089        | CYRILLIC SMALL LETTER CHE                      |
| 0448;         | afii10090        | CYRILLIC SMALL LETTER SHA                      |
| 0449;         | afii10091        | CYRILLIC SMALL LETTER SHCHA                    |
| 044A;         | afii10092        | CYRILLIC SMALL LETTER HARD SIGN                |
| 044B;         | afii10093        | CYRILLIC SMALL LETTER YERU                     |
| 044C;         | afii10094        | CYRILLIC SMALL LETTER SOFT SIGN                |
| 044D;         | afii10095        | CYRILLIC SMALL LETTER E                        |
| 044E;         | afii10096        | CYRILLIC SMALL LETTER YU                       |
| 044F;         | afii10097        | CYRILLIC SMALL LETTER YA                       |
| 0491;         | afii10098        | CYRILLIC SMALL LETTER GHE WITH UPTURN          |
| 0452;         | afii10099        | CYRILLIC SMALL LETTER DJE                      |
| 0453;         | afii10100        | CYRILLIC SMALL LETTER GJE                      |
| 0454;         | afii10101        | CYRILLIC SMALL LETTER UKRAINIAN IE             |
| 0455;         | afii10102        | CYRILLIC SMALL LETTER DZE                      |
| 0456;         | afii10103        | CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I |
| 0457;         | afii10104        | CYRILLIC SMALL LETTER YI                       |

| <b>symbol</b> | <b>character</b> | <b>description</b>               |
|---------------|------------------|----------------------------------|
| 0458;         | afii10105        | CYRILLIC SMALL LETTER JE         |
| 0459;         | afii10106        | CYRILLIC SMALL LETTER LJE        |
| 045A;         | afii10107        | CYRILLIC SMALL LETTER NJE        |
| 045B;         | afii10108        | CYRILLIC SMALL LETTER TSHE       |
| 045C;         | afii10109        | CYRILLIC SMALL LETTER KJE        |
| 045E;         | afii10110        | CYRILLIC SMALL LETTER SHORT U    |
| 040F;         | afii10145        | CYRILLIC CAPITAL LETTER DZHE     |
| 0462;         | afii10146        | CYRILLIC CAPITAL LETTER YAT      |
| 0472;         | afii10147        | CYRILLIC CAPITAL LETTER FITA     |
| 0474;         | afii10148        | CYRILLIC CAPITAL LETTER IZHITSA  |
| F6C6;         | afii10192        | CYRILLIC SMALL LETTER DE VARIANT |
| 045F;         | afii10193        | CYRILLIC SMALL LETTER DZHE       |
| 0463;         | afii10194        | CYRILLIC SMALL LETTER YAT        |
| 0473;         | afii10195        | CYRILLIC SMALL LETTER FITA       |
| 0475;         | afii10196        | CYRILLIC SMALL LETTER IZHITSA    |
| F6C7;         | afii10831        | CYRILLIC SMALL LETTER PE VARIANT |
| F6C8;         | afii10832        | CYRILLIC SMALL LETTER TE VARIANT |
| 04D9;         | afii10846        | CYRILLIC SMALL LETTER SCHWA      |
| 200E;         | afii299          | LEFT-TO-RIGHT MARK               |
| 200F;         | afii300          | RIGHT-TO-LEFT MARK               |
| 200D;         | afii301          | ZERO WIDTH JOINER                |
| 066A;         | afii57381        | ARABIC PERCENT SIGN              |
| 060C;         | afii57388        | ARABIC COMMA                     |
| 0660;         | afii57392        | ARABIC-INDIC DIGIT ZERO          |
| 0661;         | afii57393        | ARABIC-INDIC DIGIT ONE           |
| 0662;         | afii57394        | ARABIC-INDIC DIGIT TWO           |
| 0663;         | afii57395        | ARABIC-INDIC DIGIT THREE         |
| 0664;         | afii57396        | ARABIC-INDIC DIGIT FOUR          |
| 0665;         | afii57397        | ARABIC-INDIC DIGIT FIVE          |
| 0666;         | afii57398        | ARABIC-INDIC DIGIT SIX           |
| 0667;         | afii57399        | ARABIC-INDIC DIGIT SEVEN         |
| 0668;         | afii57400        | ARABIC-INDIC DIGIT EIGHT         |
| 0669;         | afii57401        | ARABIC-INDIC DIGIT NINE          |

| <b>symbol</b> | <b>character</b> | <b>description</b>                  |
|---------------|------------------|-------------------------------------|
| 061B;         | afi57403         | ARABIC SEMICOLON                    |
| 061F;         | afi57407         | ARABIC QUESTION MARK                |
| 0621;         | afi57409         | ARABIC LETTER HAMZA                 |
| 0622;         | afi57410         | ARABIC LETTER ALEF WITH MADDA ABOVE |
| 0623;         | afi57411         | ARABIC LETTER ALEF WITH HAMZA ABOVE |
| 0624;         | afi57412         | ARABIC LETTER WAW WITH HAMZA ABOVE  |
| 0625;         | afi57413         | ARABIC LETTER ALEF WITH HAMZA BELOW |
| 0626;         | afi57414         | ARABIC LETTER YEH WITH HAMZA ABOVE  |
| 0627;         | afi57415         | ARABIC LETTER ALEF                  |
| 0628;         | afi57416         | ARABIC LETTER BEH                   |
| 0629;         | afi57417         | ARABIC LETTER TEH MARBUTA           |
| 062A;         | afi57418         | ARABIC LETTER TEH                   |
| 062B;         | afi57419         | ARABIC LETTER THEH                  |
| 062C;         | afi57420         | ARABIC LETTER JEEM                  |
| 062D;         | afi57421         | ARABIC LETTER HAH                   |
| 062E;         | afi57422         | ARABIC LETTER KHAH                  |
| 062F;         | afi57423         | ARABIC LETTER DAL                   |
| 0630;         | afi57424         | ARABIC LETTER THAL                  |
| 0631;         | afi57425         | ARABIC LETTER REH                   |
| 0632;         | afi57426         | ARABIC LETTER ZAIN                  |
| 0633;         | afi57427         | ARABIC LETTER SEEN                  |
| 0634;         | afi57428         | ARABIC LETTER SHEEN                 |
| 0635;         | afi57429         | ARABIC LETTER SAD                   |
| 0636;         | afi57430         | ARABIC LETTER DAD                   |
| 0637;         | afi57431         | ARABIC LETTER TAH                   |
| 0638;         | afi57432         | ARABIC LETTER ZAH                   |
| 0639;         | afi57433         | ARABIC LETTER AIN                   |
| 063A;         | afi57434         | ARABIC LETTER GHAIN                 |
| 0640;         | afi57440         | ARABIC TATWEEL                      |
| 0641;         | afi57441         | ARABIC LETTER FEH                   |
| 0642;         | afi57442         | ARABIC LETTER QAF                   |
| 0643;         | afi57443         | ARABIC LETTER KAF                   |
| 0644;         | afi57444         | ARABIC LETTER LAM                   |

| <b>symbol</b> | <b>character</b> | <b>description</b>           |
|---------------|------------------|------------------------------|
| 0645;         | afi57445         | ARABIC LETTER MEEM           |
| 0646;         | afi57446         | ARABIC LETTER NOON           |
| 0648;         | afi57448         | ARABIC LETTER WAW            |
| 0649;         | afi57449         | ARABIC LETTER ALEF MAKSURA   |
| 064A;         | afi57450         | ARABIC LETTER YEH            |
| 064B;         | afi57451         | ARABIC FATHATAN              |
| 064C;         | afi57452         | ARABIC DAMMATAN              |
| 064D;         | afi57453         | ARABIC KASRATAN              |
| 064E;         | afi57454         | ARABIC FATHA                 |
| 064F;         | afi57455         | ARABIC DAMMA                 |
| 0650;         | afi57456         | ARABIC KASRA                 |
| 0651;         | afi57457         | ARABIC SHADDA                |
| 0652;         | afi57458         | ARABIC SUKUN                 |
| 0647;         | afi57470         | ARABIC LETTER HEH            |
| 06A4;         | afi57505         | ARABIC LETTER VEH            |
| 067E;         | afi57506         | ARABIC LETTER PEH            |
| 0686;         | afi57507         | ARABIC LETTER TCHEH          |
| 0698;         | afi57508         | ARABIC LETTER JEH            |
| 06AF;         | afi57509         | ARABIC LETTER GAF            |
| 0679;         | afi57511         | ARABIC LETTER TTEH           |
| 0688;         | afi57512         | ARABIC LETTER DDAL           |
| 0691;         | afi57513         | ARABIC LETTER RREH           |
| 06BA;         | afi57514         | ARABIC LETTER NOON GHUNNA    |
| 06D2;         | afi57519         | ARABIC LETTER YEH BARREE     |
| 06D5;         | afi57534         | ARABIC LETTER AE             |
| 20AA;         | afi57636         | NEW SHEQEL SIGN              |
| 05BE;         | afi57645         | HEBREW PUNCTUATION MAQAF     |
| 05C3;         | afi57658         | HEBREW PUNCTUATION SOF PASUQ |
| 05D0;         | afi57664         | HEBREW LETTER ALEF           |
| 05D1;         | afi57665         | HEBREW LETTER BET            |
| 05D2;         | afi57666         | HEBREW LETTER GIMEL          |
| 05D3;         | afi57667         | HEBREW LETTER DALET          |
| 05D4;         | afi57668         | HEBREW LETTER HE             |

| <b>symbol</b> | <b>character</b> | <b>description</b>                    |
|---------------|------------------|---------------------------------------|
| 05D5;         | afi57669         | HEBREW LETTER VAV                     |
| 05D6;         | afi57670         | HEBREW LETTER ZAYIN                   |
| 05D7;         | afi57671         | HEBREW LETTER HET                     |
| 05D8;         | afi57672         | HEBREW LETTER TET                     |
| 05D9;         | afi57673         | HEBREW LETTER YOD                     |
| 05DA;         | afi57674         | HEBREW LETTER FINAL KAF               |
| 05DB;         | afi57675         | HEBREW LETTER KAF                     |
| 05DC;         | afi57676         | HEBREW LETTER LAMED                   |
| 05DD;         | afi57677         | HEBREW LETTER FINAL MEM               |
| 05DE;         | afi57678         | HEBREW LETTER MEM                     |
| 05DF;         | afi57679         | HEBREW LETTER FINAL NUN               |
| 05E0;         | afi57680         | HEBREW LETTER NUN                     |
| 05E1;         | afi57681         | HEBREW LETTER SAMEKH                  |
| 05E2;         | afi57682         | HEBREW LETTER AYIN                    |
| 05E3;         | afi57683         | HEBREW LETTER FINAL PE                |
| 05E4;         | afi57684         | HEBREW LETTER PE                      |
| 05E5;         | afi57685         | HEBREW LETTER FINAL TSADI             |
| 05E6;         | afi57686         | HEBREW LETTER TSADI                   |
| 05E7;         | afi57687         | HEBREW LETTER QOF                     |
| 05E8;         | afi57688         | HEBREW LETTER RESH                    |
| 05E9;         | afi57689         | HEBREW LETTER SHIN                    |
| 05EA;         | afi57690         | HEBREW LETTER TAV                     |
| FB2A;         | afi57694         | HEBREW LETTER SHIN WITH SHIN DOT      |
| FB2B;         | afi57695         | HEBREW LETTER SHIN WITH SIN DOT       |
| FB4B;         | afi57700         | HEBREW LETTER VAV WITH HOLAM          |
| FB1F;         | afi57705         | HEBREW LIGATURE YIDDISH YOD YOD PATAH |
| 05F0;         | afi57716         | HEBREW LIGATURE YIDDISH DOUBLE VAV    |
| 05F1;         | afi57717         | HEBREW LIGATURE YIDDISH VAV YOD       |
| 05F2;         | afi57718         | HEBREW LIGATURE YIDDISH DOUBLE YOD    |
| FB35;         | afi57723         | HEBREW LETTER VAV WITH DAGESH         |
| 05B4;         | afi57793         | HEBREW POINT HIRIQ                    |
| 05B5;         | afi57794         | HEBREW POINT TSERE                    |
| 05B6;         | afi57795         | HEBREW POINT SEGOL                    |

| <b>symbol</b> | <b>character</b> | <b>description</b>                  |
|---------------|------------------|-------------------------------------|
| 05BB;         | afi57796         | HEBREW POINT QUBUTS                 |
| 05B8;         | afi57797         | HEBREW POINT QAMATS                 |
| 05B7;         | afi57798         | HEBREW POINT PATAH                  |
| 05B0;         | afi57799         | HEBREW POINT SHEVA                  |
| 05B2;         | afi57800         | HEBREW POINT HATAF PATAH            |
| 05B1;         | afi57801         | HEBREW POINT HATAF SEGOL            |
| 05B3;         | afi57802         | HEBREW POINT HATAF QAMATS           |
| 05C2;         | afi57803         | HEBREW POINT SIN DOT                |
| 05C1;         | afi57804         | HEBREW POINT SHIN DOT               |
| 05B9;         | afi57806         | HEBREW POINT HOLAM                  |
| 05BC;         | afi57807         | HEBREW POINT DAGESH OR MAPIQ        |
| 05BD;         | afi57839         | HEBREW POINT METEG                  |
| 05BF;         | afi57841         | HEBREW POINT RAFE                   |
| 05C0;         | afi57842         | HEBREW PUNCTUATION PASEQ            |
| 02BC;         | afi57929         | MODIFIER LETTER APOSTROPHE          |
| 2105;         | afi61248         | CARE OF                             |
| 2113;         | afi61289         | SCRIPT SMALL L                      |
| 2116;         | afi61352         | NUMERO SIGN                         |
| 202C;         | afi61573         | POP DIRECTIONAL FORMATTING          |
| 202D;         | afi61574         | LEFT-TO-RIGHT OVERRIDE              |
| 202E;         | afi61575         | RIGHT-TO-LEFT OVERRIDE              |
| 200C;         | afi61664         | ZERO WIDTH NON-JOINER               |
| 066D;         | afi63167         | ARABIC FIVE-POINTED STAR            |
| 02BD;         | afi64937         | MODIFIER LETTER REVERSED COMMA      |
| 00E0;         | agrave           | LATIN SMALL LETTER A WITH GRAVE     |
| 2135;         | aleph            | ALEF SYMBOL                         |
| 03B1;         | alpha            | GREEK SMALL LETTER ALPHA            |
| 03AC;         | alphatonos       | GREEK SMALL LETTER ALPHA WITH TONOS |
| 0101;         | amacron          | LATIN SMALL LETTER A WITH MACRON    |
| 0026;         | ampersand        | AMPERSAND                           |
| F726;         | ampersandsmall   | SMALL CAPITAL AMPERSAND             |
| 2220;         | angle            | ANGLE                               |
| 2329;         | angleleft        | LEFT-POINTING ANGLE BRACKET         |

| <b>symbol</b> | <b>character</b> | <b>description</b>                             |
|---------------|------------------|--|
| 232A;         | angleright       | RIGHT-POINTING ANGLE BRACKET                   |
| 0387;         | anoteleia        | GREEK ANO TELEIA                               |
| 0105;         | aogonek          | LATIN SMALL LETTER A WITH OGONEK               |
| 2248;         | approxequal      | ALMOST EQUAL TO                                |
| 00E5;         | aring            | LATIN SMALL LETTER A WITH RING ABOVE           |
| 01FB;         | aringacute       | LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE |
| 2194;         | arrowboth        | LEFT RIGHT ARROW                               |
| 21D4;         | arrowdblboth     | LEFT RIGHT DOUBLE ARROW                        |
| 21D3;         | arrowdbldown     | DOWNWARDS DOUBLE ARROW                         |
| 21D0;         | arrowdblleft     | LEFTWARDS DOUBLE ARROW                         |
| 21D2;         | arrowdblright    | RIGHTWARDS DOUBLE ARROW                        |
| 21D1;         | arrowdblup       | UPWARDS DOUBLE ARROW                           |
| 2193;         | arrowdown        | DOWNWARDS ARROW                                |
| F8E7;         | arrowhorizex     | HORIZONTAL ARROW EXTENDER                      |
| 2190;         | arrowleft        | LEFTWARDS ARROW                                |
| 2192;         | arrowright       | RIGHTWARDS ARROW                               |
| 2191;         | arrowup          | UPWARDS ARROW                                  |
| 2195;         | arrowupdn        | UP DOWN ARROW                                  |
| 21A8;         | arrowupdnbse     | UP DOWN ARROW WITH BASE                        |
| F8E6;         | arrowvertex      | VERTICAL ARROW EXTENDER                        |
| 005E;         | asciicircum      | CIRCUMFLEX ACCENT                              |
| 007E;         | asciitilde       | TILDE  |
| 002A;         | asterisk         | ASTERISK                                       |
| 2217;         | asteriskmath     | ASTERISK OPERATOR                              |
| F6E9;         | asuperior        | SUPERSCRIPIT LATIN SMALL LETTER A              |
| 0040;         | at               | COMMERCIAL AT                                  |
| 00E3;         | atilde           | LATIN SMALL LETTER A WITH TILDE                |
| 0062;         | b                | LATIN SMALL LETTER B                           |
| 005C;         | backslash        | REVERSE SOLIDUS                                |
| 007C;         | bar              | VERTICAL LINE                                  |
| 03B2;         | beta             | GREEK SMALL LETTER BETA                        |
| 2588;         | block            | FULL BLOCK                                     |
| F8F4;         | braceex          | CURLY BRACKET EXTENDER                         |

| <b>symbol</b> | <b>character</b> | <b>description</b>                    |
|---------------|------------------|---------------------------------------|
| 007B;         | braceleft        | LEFT CURLY BRACKET                    |
| F8F3;         | braceleftbt      | LEFT CURLY BRACKET BOTTOM             |
| F8F2;         | braceleftmid     | LEFT CURLY BRACKET MID                |
| F8F1;         | bracelefttp      | LEFT CURLY BRACKET TOP                |
| 007D;         | braceright       | RIGHT CURLY BRACKET                   |
| F8FE;         | bracerightbt     | RIGHT CURLY BRACKET BOTTOM            |
| F8FD;         | bracerightmid    | RIGHT CURLY BRACKET MID               |
| F8FC;         | bracerighttp     | RIGHT CURLY BRACKET TOP               |
| 005B;         | bracketleft      | LEFT SQUARE BRACKET                   |
| F8F0;         | bracketleftbt    | LEFT SQUARE BRACKET BOTTOM            |
| F8EF;         | bracketleftex    | LEFT SQUARE BRACKET EXTENDER          |
| F8EE;         | bracketlefttp    | LEFT SQUARE BRACKET TOP               |
| 005D;         | bracketright     | RIGHT SQUARE BRACKET                  |
| F8FB;         | bracketrightbt   | RIGHT SQUARE BRACKET BOTTOM           |
| F8FA;         | bracketrightex   | RIGHT SQUARE BRACKET EXTENDER         |
| F8F9;         | bracketrighttp   | RIGHT SQUARE BRACKET TOP              |
| 02D8;         | breve            | BREVE                                 |
| 00A6;         | brokenbar        | BROKEN BAR                            |
| F6EA;         | bsuperior        | SUPERSCRIPIT LATIN SMALL LETTER B     |
| 2022;         | bullet           | BULLET                                |
| 0063;         | c                | LATIN SMALL LETTER C                  |
| 0107;         | ccute            | LATIN SMALL LETTER C WITH ACUTE       |
| 02C7;         | caron            | CARON                                 |
| 21B5;         | carriagereturn   | DOWNWARDS ARROW WITH CORNER LEFTWARDS |
| 010D;         | ccaron           | LATIN SMALL LETTER C WITH CARON       |
| 00E7;         | ccedilla         | LATIN SMALL LETTER C WITH CEDILLA     |
| 0109;         | ccircumflex      | LATIN SMALL LETTER C WITH CIRCUMFLEX  |
| 010B;         | cdotaccent       | LATIN SMALL LETTER C WITH DOT ABOVE   |
| 00B8;         | cedilla          | CEDILLA                               |
| 00A2;         | cent             | CENT SIGN                             |
| F6DF;         | centinferior     | SUBSCRIPT CENT SIGN                   |
| F7A2;         | centoldstyle     | OLDSTYLE CENT SIGN                    |
| F6E0;         | centsuperior     | SUPERSCRIPIT CENT SIGN                |



| <b>symbol</b> | <b>character</b> | <b>description</b>                |
|---------------|------------------|-----------------------------------|
| 03C7;         | chi              | GREEK SMALL LETTER CHI            |
| 25CB;         | circle           | WHITE CIRCLE                      |
| 2297;         | circlemultiply   | CIRCLED TIMES                     |
| 2295;         | circleplus       | CIRCLED PLUS                      |
| 02C6;         | circumflex       | MODIFIER LETTER CIRCUMFLEX ACCENT |
| 2663;         | club             | BLACK CLUB SUIT                   |
| 003A;         | colon            | COLON                             |
| 20A1;         | colonmonetary    | COLON SIGN                        |
| 002C;         | comma            | COMMA                             |
| F6C3;         | commaaccent      | COMMA BELOW                       |
| F6E1;         | commainferior    | SUBSCRIPT COMMA                   |
| F6E2;         | commasuperior    | SUPERSCRIP COMMA                  |
| 2245;         | congruent        | APPROXIMATELY EQUAL TO            |
| 00A9;         | copyright        | COPYRIGHT SIGN                    |
| F8E9;         | copyrightsans    | COPYRIGHT SIGN SANS SERIF         |
| F6D9;         | copyrightserif   | COPYRIGHT SIGN SERIF              |
| 00A4;         | currency         | CURRENCY SIGN                     |
| F6D1;         | cyrBreve         | CAPITAL CYRILLIC BREVE            |
| F6D2;         | cyrFlex          | CAPITAL CYRILLIC CIRCUMFLEX       |
| F6D4;         | cyrbreve         | CYRILLIC BREVE                    |
| F6D5;         | cyrflex          | CYRILLIC CIRCUMFLEX               |
| 0064;         | d                | LATIN SMALL LETTER D              |
| 2020;         | dagger           | DAGGER                            |
| 2021;         | daggerdbl        | DOUBLE DAGGER                     |
| F6D3;         | dblGrave         | CAPITAL DOUBLE GRAVE ACCENT       |
| F6D6;         | dblgrave         | DOUBLE GRAVE ACCENT               |
| 010F;         | dcaron           | LATIN SMALL LETTER D WITH CARON   |
| 0111;         | dcroat           | LATIN SMALL LETTER D WITH STROKE  |
| 00B0;         | degree           | DEGREE SIGN                       |
| 03B4;         | delta            | GREEK SMALL LETTER DELTA          |
| 2666;         | diamond          | BLACK DIAMOND SUIT                |
| 00A8;         | dieresis         | DIERESIS                          |
| F6D7;         | dieresisacute    | DIERESIS ACUTE ACCENT             |

| <b>symbol</b> | <b>character</b> | <b>description</b>                   |
|---------------|------------------|--------------------------------------|
| F6D8;         | dieresisgrave    | DIERESIS GRAVE ACCENT                |
| 0385;         | dieresis-tonos   | GREEK DIALYTIKA TONOS                |
| 00F7;         | divide           | DIVISION SIGN                        |
| 2593;         | dkshade          | DARK SHADE                           |
| 2584;         | dnblock          | LOWER HALF BLOCK                     |
| 0024;         | dollar           | DOLLAR SIGN                          |
| F6E3;         | dollarinferior   | SUBSCRIPT DOLLAR SIGN                |
| F724;         | dollaroldstyle   | OLDSTYLE DOLLAR SIGN                 |
| F6E4;         | dollarsuperior   | SUPERSCRIPT DOLLAR SIGN              |
| 20AB;         | dong             | DONG SIGN                            |
| 02D9;         | dotaccent        | DOT ABOVE                            |
| 0323;         | dotbelowcomb     | COMBINING DOT BELOW                  |
| 0131;         | dotlessi         | LATIN SMALL LETTER DOTLESS I         |
| F6BE;         | dotlessj         | LATIN SMALL LETTER DOTLESS J         |
| 22C5;         | dotmath          | DOT OPERATOR                         |
| F6EB;         | dsuperior        | SUPERSCRIPT LATIN SMALL LETTER D     |
| 0065;         | e                | LATIN SMALL LETTER E                 |
| 00E9;         | eacute           | LATIN SMALL LETTER E WITH ACUTE      |
| 0115;         | ebreve           | LATIN SMALL LETTER E WITH BREVE      |
| 011B;         | ecaron           | LATIN SMALL LETTER E WITH CARON      |
| 00EA;         | ecircumflex      | LATIN SMALL LETTER E WITH CIRCUMFLEX |
| 00EB;         | edieresis        | LATIN SMALL LETTER E WITH DIERESIS   |
| 0117;         | edotaccent       | LATIN SMALL LETTER E WITH DOT ABOVE  |
| 00E8;         | egrave           | LATIN SMALL LETTER E WITH GRAVE      |
| 0038;         | eight            | DIGIT EIGHT                          |
| 2088;         | eightinferior    | SUBSCRIPT EIGHT                      |
| F738;         | eightoldstyle    | OLDSTYLE DIGIT EIGHT                 |
| 2078;         | eightsuperior    | SUPERSCRIPT EIGHT                    |
| 2208;         | element          | ELEMENT OF                           |
| 2026;         | ellipsis         | HORIZONTAL ELLIPSIS                  |
| 0113;         | emacron          | LATIN SMALL LETTER E WITH MACRON     |
| 2014;         | emdash           | EM DASH                              |
| 2205;         | emptyset         | EMPTY SET                            |

| <b>symbol</b> | <b>character</b> | <b>description</b>                      |
|---------------|------------------|---|
| 2013;         | endash           | EN DASH                                 |
| 014B;         | eng              | LATIN SMALL LETTER ENG                  |
| 0119;         | eogonek          | LATIN SMALL LETTER E WITH OGONEK        |
| 03B5;         | epsilon          | GREEK SMALL LETTER EPSILON              |
| 03AD;         | epsilontonos     | GREEK SMALL LETTER EPSILON WITH TONOS   |
| 003D;         | equal            | EQUALS SIGN                             |
| 2261;         | equivalence      | IDENTICAL TO                            |
| 212E;         | estimated        | ESTIMATED SYMBOL                        |
| F6EC;         | esuperior        | SUPERSCRIPIT LATIN SMALL LETTER E       |
| 03B7;         | eta              | GREEK SMALL LETTER ETA                  |
| 03AE;         | etatonos         | GREEK SMALL LETTER ETA WITH TONOS       |
| 00F0;         | eth              | LATIN SMALL LETTER ETH                  |
| 0021;         | exclam           | EXCLAMATION MARK                        |
| 203C;         | exclamdbl        | DOUBLE EXCLAMATION MARK                 |
| 00A1;         | exclamdown       | INVERTED EXCLAMATION MARK               |
| F7A1;         | exclamdownsmall  | SMALL CAPITAL INVERTED EXCLAMATION MARK |
| F721;         | exclamsmall      | SMALL CAPITAL EXCLAMATION MARK          |
| 2203;         | existential      | THERE EXISTS                            |
| 0066;         | f                | LATIN SMALL LETTER F                    |
| 2640;         | female           | FEMALE SIGN                             |
| FB00;         | ff               | LATIN SMALL LIGATURE FF                 |
| FB03;         | ffi              | LATIN SMALL LIGATURE FFI                |
| FB04;         | ffl              | LATIN SMALL LIGATURE FFL                |
| FB01;         | fi               | LATIN SMALL LIGATURE FI                 |
| 2012;         | figuredash       | FIGURE DASH                             |
| 25A0;         | filledbox        | BLACK SQUARE                            |
| 25AC;         | filledrect       | BLACK RECTANGLE                         |
| 0035;         | five             | DIGIT FIVE                              |
| 215D;         | fiveeighths      | VULGAR FRACTION FIVE EIGHTHS            |
| 2085;         | fiveinferior     | SUBSCRIPT FIVE                          |
| F735;         | fiveoldstyle     | OLDSTYLE DIGIT FIVE                     |
| 2075;         | fivesuperior     | SUPERSCRIPIT FIVE                       |
| FB02;         | fl               | LATIN SMALL LIGATURE FL                 |

| <b>symbol</b> | <b>character</b> | <b>description</b>                         |
|---------------|------------------|--|
| 0192;         | florin           | LATIN SMALL LETTER F WITH HOOK             |
| 0034;         | four             | DIGIT FOUR                                 |
| 2084;         | fourinferior     | SUBSCRIPT FOUR                             |
| F734;         | fouroldstyle     | OLDSTYLE DIGIT FOUR                        |
| 2074;         | foursuperior     | SUPERSCRIPIT FOUR                          |
| 2044;         | fraction         | FRACTION SLASH                             |
| 2215;         | fraction         | DIVISION SLASH                             |
| 20A3;         | franc            | FRENCH FRANC SIGN                          |
| 0067;         | g                | LATIN SMALL LETTER G                       |
| 03B3;         | gamma            | GREEK SMALL LETTER GAMMA                   |
| 011F;         | gbreve           | LATIN SMALL LETTER G WITH BREVE            |
| 01E7;         | gcaron           | LATIN SMALL LETTER G WITH CARON            |
| 011D;         | gcircumflex      | LATIN SMALL LETTER G WITH CIRCUMFLEX       |
| 0123;         | gcommaaccent     | LATIN SMALL LETTER G WITH CEDILLA          |
| 0121;         | gdotaccent       | LATIN SMALL LETTER G WITH DOT ABOVE        |
| 00DF;         | germandbls       | LATIN SMALL LETTER SHARP S                 |
| 2207;         | gradient         | NABLA                                      |
| 0060;         | grave            | GRAVE ACCENT                               |
| 0300;         | gravecomb        | COMBINING GRAVE ACCENT                     |
| 003E;         | greater          | GREATER-THAN SIGN                          |
| 2265;         | greaterequal     | GREATER THAN OR EQUAL TO                   |
| 00AB;         | guillemotleft    | LEFT-POINTING DOUBLE ANGLE QUOTATION MARK  |
| 00BB;         | guillemotright   | RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK |
| 2039;         | guilsingleft     | SINGLE LEFT-POINTING ANGLE QUOTATION MARK  |
| 203A;         | guilsingright    | SINGLE RIGHT-POINTING ANGLE QUOTATION MARK |
| 0068;         | h                | LATIN SMALL LETTER H                       |
| 0127;         | hbar             | LATIN SMALL LETTER H WITH STROKE           |
| 0125;         | hcircumflex      | LATIN SMALL LETTER H WITH CIRCUMFLEX       |
| 2665;         | heart            | BLACK HEART SUIT                           |
| 0309;         | hookabovecomb    | COMBINING HOOK ABOVE                       |
| 2302;         | house            | HOUSE                                      |
| 02DD;         | hungarumlaut     | DOUBLE ACUTE ACCENT                        |
| 002D;         | hyphen           | HYPHEN-MINUS                               |

| <b>symbol</b> | <b>character</b>   | <b>description</b>                               |
|---------------|--------------------|--|
| 00AD;         | hyphen             | SOFT HYPHEN                                      |
| F6E5;         | hypheninferior     | SUBSCRIPT HYPHEN-MINUS                           |
| F6E6;         | hyphensuperior     | SUPERSCRIPIT HYPHEN-MINUS                        |
| 0069;         | i                  | LATIN SMALL LETTER I                             |
| 00ED;         | iacute             | LATIN SMALL LETTER I WITH ACUTE                  |
| 012D;         | ibreve             | LATIN SMALL LETTER I WITH BREVE                  |
| 00EE;         | icircumflex        | LATIN SMALL LETTER I WITH CIRCUMFLEX             |
| 00EF;         | idieresis          | LATIN SMALL LETTER I WITH DIERESIS               |
| 00EC;         | igrave             | LATIN SMALL LETTER I WITH GRAVE                  |
| 0133;         | ij                 | LATIN SMALL LIGATURE IJ                          |
| 012B;         | imacron            | LATIN SMALL LETTER I WITH MACRON                 |
| 221E;         | infinity           | INFINITY   |
| 222B;         | integral           | INTEGRAL   |
| 2321;         | integralbt         | BOTTOM HALF INTEGRAL                             |
| F8F5;         | integralext        | INTEGRAL EXTENDER                                |
| 2320;         | integraltp         | TOP HALF INTEGRAL                                |
| 2229;         | intersection       | INTERSECTION                                     |
| 25D8;         | invbullet          | INVERSE BULLET                                   |
| 25D9;         | invcircle          | INVERSE WHITE CIRCLE                             |
| 263B;         | invsmileface       | BLACK SMILING FACE                               |
| 012F;         | iogonek            | LATIN SMALL LETTER I WITH OGONEK                 |
| 03B9;         | iota               | GREEK SMALL LETTER IOTA                          |
| 03CA;         | iotadieresis       | GREEK SMALL LETTER IOTA WITH DIALYTIKA           |
| 0390;         | iotadieresis-tonos | GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS |
| 03AF;         | iotatonos          | GREEK SMALL LETTER IOTA WITH TONOS               |
| F6ED;         | isuperior          | SUPERSCRIPIT LATIN SMALL LETTER I                |
| 0129;         | itilde             | LATIN SMALL LETTER I WITH TILDE                  |
| 006A;         | j                  | LATIN SMALL LETTER J                             |
| 0135;         | jcircumflex        | LATIN SMALL LETTER J WITH CIRCUMFLEX             |
| 006B;         | k                  | LATIN SMALL LETTER K                             |
| 03BA;         | kappa              | GREEK SMALL LETTER KAPPA                         |
| 0137;         | kcommaaccent       | LATIN SMALL LETTER K WITH CEDILLA                |
| 0138;         | kgreenlandic       | LATIN SMALL LETTER KRA                           |

| <b>symbol</b> | <b>character</b> | <b>description</b>                   |
|---------------|------------------|--------------------------------------|
| 006C;         | l                | LATIN SMALL LETTER L                 |
| 013A;         | lacute           | LATIN SMALL LETTER L WITH ACUTE      |
| 03BB;         | lambda           | GREEK SMALL LETTER LAMDA             |
| 013E;         | lcaron           | LATIN SMALL LETTER L WITH CARON      |
| 013C;         | lcommaaccent     | LATIN SMALL LETTER L WITH CEDILLA    |
| 0140;         | ldot             | LATIN SMALL LETTER L WITH MIDDLE DOT |
| 003C;         | less             | LESS-THAN SIGN                       |
| 2264;         | lessequal        | LESS THAN OR EQUAL TO                |
| 258C;         | lfblock          | LEFT HALF BLOCK                      |
| 20A4;         | lira             | LIRA SIGN                            |
| F6C0;         | ll               | LATIN SMALL LETTER LL                |
| 2227;         | logicaland       | LOGICAL AND                          |
| 00AC;         | logicalnot       | NOT SIGN                             |
| 2228;         | logicalor        | LOGICAL OR                           |
| 017F;         | longs            | LATIN SMALL LETTER LONG S            |
| 25CA;         | lozenge          | LOZENGE                              |
| 0142;         | lslash           | LATIN SMALL LETTER L WITH STROKE     |
| F6EE;         | lsuperior        | SUPERSCRIPIT LATIN SMALL LETTER L    |
| 2591;         | ltshade          | LIGHT SHADE                          |
| 006D;         | m                | LATIN SMALL LETTER M                 |
| 00AF;         | macron           | MACRON                               |
| 02C9;         | macron           | MODIFIER LETTER MACRON               |
| 2642;         | male             | MALE SIGN                            |
| 2212;         | minus            | MINUS SIGN                           |
| 2032;         | minute           | PRIME                                |
| F6EF;         | msuperior        | SUPERSCRIPIT LATIN SMALL LETTER M    |
| 00B5;         | mu               | MICRO SIGN                           |
| 03BC;         | mu               | GREEK SMALL LETTER MU                |
| 00D7;         | multiply         | MULTIPLICATION SIGN                  |
| 266A;         | musicalnote      | EIGHTH NOTE                          |
| 266B;         | musicalnotedbl   | BEAMED EIGHTH NOTES                  |
| 006E;         | n                | LATIN SMALL LETTER N                 |
| 0144;         | nacute           | LATIN SMALL LETTER N WITH ACUTE      |

| <b>symbol</b> | <b>character</b> | <b>description</b>                          |
|---------------|------------------|---|
| 0149;         | napostrophe      | LATIN SMALL LETTER N PRECEDED BY APOSTROPHE |
| 0148;         | ncaron           | LATIN SMALL LETTER N WITH CARON             |
| 0146;         | ncommaaccent     | LATIN SMALL LETTER N WITH CEDILLA           |
| 0039;         | nine             | DIGIT NINE                                  |
| 2089;         | nineinferior     | SUBSCRIPT NINE                              |
| F739;         | nineoldstyle     | OLDSTYLE DIGIT NINE                         |
| 2079;         | ninesuperior     | SUPERSCRIPIT NINE                           |
| 2209;         | notelement       | NOT AN ELEMENT OF                           |
| 2260;         | notequal         | NOT EQUAL TO                                |
| 2284;         | notsubset        | NOT A SUBSET OF                             |
| 207F;         | nsuperior        | SUPERSCRIPIT LATIN SMALL LETTER N           |
| 00F1;         | ntilde           | LATIN SMALL LETTER N WITH TILDE             |
| 03BD;         | nu               | GREEK SMALL LETTER NU                       |
| 0023;         | numbersign       | NUMBER SIGN                                 |
| 006F;         | o                | LATIN SMALL LETTER O                        |
| 00F3;         | oacute           | LATIN SMALL LETTER O WITH ACUTE             |
| 014F;         | obreve           | LATIN SMALL LETTER O WITH BREVE             |
| 00F4;         | ocircumflex      | LATIN SMALL LETTER O WITH CIRCUMFLEX        |
| 00F6;         | odieresis        | LATIN SMALL LETTER O WITH DIERESIS          |
| 0153;         | oe               | LATIN SMALL LIGATURE OE                     |
| 02DB;         | ogonek           | OGONEK                                      |
| 00F2;         | ograve           | LATIN SMALL LETTER O WITH GRAVE             |
| 01A1;         | ohorn            | LATIN SMALL LETTER O WITH HORN              |
| 0151;         | ohungarumlaut    | LATIN SMALL LETTER O WITH DOUBLE ACUTE      |
| 014D;         | omacron          | LATIN SMALL LETTER O WITH MACRON            |
| 03C9;         | omega            | GREEK SMALL LETTER OMEGA                    |
| 03D6;         | omega1           | GREEK PI SYMBOL                             |
| 03CE;         | omegatonos       | GREEK SMALL LETTER OMEGA WITH TONOS         |
| 03BF;         | omicron          | GREEK SMALL LETTER OMICRON                  |
| 03CC;         | omicrontonos     | GREEK SMALL LETTER OMICRON WITH TONOS       |
| 0031;         | one              | DIGIT ONE                                   |
| 2024;         | onedotenleader   | ONE DOT LEADER                              |
| 215B;         | oneighth         | VULGAR FRACTION ONE EIGHTH                  |

| <b>symbol</b> | <b>character</b>   | <b>description</b>                         |
|---------------|--------------------|--|
| F6DC;         | onefitted          | PROPORTIONAL DIGIT ONE                     |
| 00BD;         | onehalf            | VULGAR FRACTION ONE HALF                   |
| 2081;         | oneinferior        | SUBSCRIPT ONE                              |
| F731;         | oneoldstyle        | OLDSTYLE DIGIT ONE                         |
| 00BC;         | onequarter         | VULGAR FRACTION ONE QUARTER                |
| 00B9;         | onesuperior        | SUPERSCRIP ONE                             |
| 2153;         | onethird           | VULGAR FRACTION ONE THIRD                  |
| 25E6;         | openbullet         | WHITE BULLET                               |
| 00AA;         | ordfeminine        | FEMININE ORDINAL INDICATOR                 |
| 00BA;         | ordmasculine       | MASCULINE ORDINAL INDICATOR                |
| 221F;         | orthogonal         | RIGHT ANGLE                                |
| 00F8;         | oslash             | LATIN SMALL LETTER O WITH STROKE           |
| 01FF;         | oslashacute        | LATIN SMALL LETTER O WITH STROKE AND ACUTE |
| F6F0;         | osuperior          | SUPERSCRIP LATIN SMALL LETTER O            |
| 00F5;         | otilde             | LATIN SMALL LETTER O WITH TILDE            |
| 0070;         | p                  | LATIN SMALL LETTER P                       |
| 00B6;         | paragraph          | PILCROW SIGN                               |
| 0028;         | parenleft          | LEFT PARENTHESIS                           |
| F8ED;         | parenleftbt        | LEFT PAREN BOTTOM                          |
| F8EC;         | parenleftex        | LEFT PAREN EXTENDER                        |
| 208D;         | parenleftinferior  | SUBSCRIPT LEFT PARENTHESIS                 |
| 207D;         | parenleftsuperior  | SUPERSCRIP LEFT PARENTHESIS                |
| F8EB;         | parenlefttp        | LEFT PAREN TOP                             |
| 0029;         | parenright         | RIGHT PARENTHESIS                          |
| F8F8;         | parenrightbt       | RIGHT PAREN BOTTOM                         |
| F8F7;         | parenrightex       | RIGHT PAREN EXTENDER                       |
| 208E;         | parenrightinferior | SUBSCRIPT RIGHT PARENTHESIS                |
| 207E;         | parenrightsuperior | SUPERSCRIP RIGHT PARENTHESIS               |
| F8F6;         | parenrighttp       | RIGHT PAREN TOP                            |
| 2202;         | partialdiff        | PARTIAL DIFFERENTIAL                       |
| 0025;         | percent            | PERCENT SIGN                               |
| 002E;         | period             | FULL STOP                                  |
| 00B7;         | periodcentered     | MIDDLE DOT                                 |



| <b>symbol</b> | <b>character</b>  | <b>description</b>                    |
|---------------|-------------------|---------------------------------------|
| 2219;         | periodcentered    | BULLET OPERATOR;                      |
| F6E7;         | periodinferior    | SUBSCRIPT FULL STOP                   |
| F6E8;         | periodsuperior    | SUPERSCRIP FULL STOP                  |
| 22A5;         | perpendicular     | UP TACK                               |
| 2030;         | perthousand       | PER MILLE SIGN                        |
| 20A7;         | peseta            | PESETA SIGN                           |
| 03C6;         | phi               | GREEK SMALL LETTER PHI                |
| 03D5;         | phi1              | GREEK PHI SYMBOL                      |
| 03C0;         | pi                | GREEK SMALL LETTER PI                 |
| 002B;         | plus              | PLUS SIGN                             |
| 00B1;         | plusminus         | PLUS-MINUS SIGN                       |
| 211E;         | prescription      | PRESCRIPTION TAKE                     |
| 220F;         | product           | N-ARY PRODUCT                         |
| 2282;         | probersubset      | SUBSET OF                             |
| 2283;         | probersuperset    | SUPERSET OF                           |
| 221D;         | proportional      | PROPORTIONAL TO                       |
| 03C8;         | psi               | GREEK SMALL LETTER PSI                |
| 0071;         | q                 | LATIN SMALL LETTER Q                  |
| 003F;         | question          | QUESTION MARK                         |
| 00BF;         | questiondown      | INVERTED QUESTION MARK                |
| F7BF;         | questiondownsmall | SMALL CAPITAL INVERTED QUESTION MARK  |
| F73F;         | questionsmall     | SMALL CAPITAL QUESTION MARK           |
| 0022;         | quotedbl          | QUOTATION MARK                        |
| 201E;         | quotedblbase      | DOUBLE LOW-9 QUOTATION MARK           |
| 201C;         | quotedblleft      | LEFT DOUBLE QUOTATION MARK            |
| 201D;         | quotedblright     | RIGHT DOUBLE QUOTATION MARK           |
| 2018;         | quoteleft         | LEFT SINGLE QUOTATION MARK            |
| 201B;         | quotereversed     | SINGLE HIGH-REVERSED-9 QUOTATION MARK |
| 2019;         | quoteright        | RIGHT SINGLE QUOTATION MARK           |
| 201A;         | quotesinglbase    | SINGLE LOW-9 QUOTATION MARK           |
| 0027;         | quotesingle       | APOSTROPHE                            |
| 0072;         | r                 | LATIN SMALL LETTER R                  |
| 0155;         | racute            | LATIN SMALL LETTER R WITH ACUTE       |

| <b>symbol</b> | <b>character</b> | <b>description</b>                    |
|---------------|------------------|---------------------------------------|
| 221A;         | radical          | SQUARE ROOT                           |
| F8E5;         | radicallex       | RADICAL EXTENDER                      |
| 0159;         | rcaron           | LATIN SMALL LETTER R WITH CARON       |
| 0157;         | rcommaaccent     | LATIN SMALL LETTER R WITH CEDILLA     |
| 2286;         | reflexsubset     | SUBSET OF OR EQUAL TO                 |
| 2287;         | reflexsuperset   | SUPERSET OF OR EQUAL TO               |
| 00AE;         | registered       | REGISTERED SIGN                       |
| F8E8;         | registersans     | REGISTERED SIGN SANS SERIF            |
| F6DA;         | registerserif    | REGISTERED SIGN SERIF                 |
| 2310;         | revlogicalnot    | REVERSED NOT SIGN                     |
| 03C1;         | rho              | GREEK SMALL LETTER RHO                |
| 02DA;         | ring             | RING ABOVE                            |
| F6F1;         | rsuperior        | SUPERSCRIPIT LATIN SMALL LETTER R     |
| 2590;         | rtblock          | RIGHT HALF BLOCK                      |
| F6DD;         | rupiah           | RUPIAH SIGN                           |
| 0073;         | s                | LATIN SMALL LETTER S                  |
| 015B;         | sacute           | LATIN SMALL LETTER S WITH ACUTE       |
| 0161;         | scaron           | LATIN SMALL LETTER S WITH CARON       |
| 015F;         | scedilla         | LATIN SMALL LETTER S WITH CEDILLA     |
| F6C2;         | scedilla         | LATIN SMALL LETTER S WITH CEDILLA;    |
| 015D;         | scircumflex      | LATIN SMALL LETTER S WITH CIRCUMFLEX  |
| 0219;         | scommaaccent     | LATIN SMALL LETTER S WITH COMMA BELOW |
| 2033;         | second           | DOUBLE PRIME                          |
| 00A7;         | section          | SECTION SIGN                          |
| 003B;         | semicolon        | SEMICOLON                             |
| 0037;         | seven            | DIGIT SEVEN                           |
| 215E;         | seveneighths     | VULGAR FRACTION SEVEN EIGHTHS         |
| 2087;         | seveninferior    | SUBSCRIPT SEVEN                       |
| F737;         | sevenoldstyle    | OLDSTYLE DIGIT SEVEN                  |
| 2077;         | sevensuperior    | SUPERSCRIPIT SEVEN                    |
| 2592;         | shade            | MEDIUM SHADE                          |
| 03C3;         | sigma            | GREEK SMALL LETTER SIGMA              |
| 03C2;         | sigma1           | GREEK SMALL LETTER FINAL SIGMA        |

| <b>symbol</b> | <b>character</b>    | <b>description</b>                    |
|---------------|---------------------|---------------------------------------|
| 223C;         | similar             | TILDE OPERATOR                        |
| 0036;         | six                 | DIGIT SIX                             |
| 2086;         | sixinferior         | SUBSCRIPT SIX                         |
| F736;         | sixoldstyle         | OLDSTYLE DIGIT SIX                    |
| 2076;         | sixsuperior         | SUPERSCRIPIT SIX                      |
| 002F;         | slash               | SOLIDUS                               |
| 263A;         | smileface           | WHITE SMILING FACE                    |
| 0020;         | space               | SPACE                                 |
| 00A0;         | space               | NO-BREAK SPACE                        |
| 2660;         | spade               | BLACK SPADE SUIT                      |
| F6F2;         | ssuperior           | SUPERSCRIPIT LATIN SMALL LETTER S     |
| 00A3;         | sterling            | POUND SIGN                            |
| 220B;         | suchthat            | CONTAINS AS MEMBER                    |
| 2211;         | summation           | N-ARY SUMMATION                       |
| 263C;         | sun                 | WHITE SUN WITH RAYS                   |
| 0074;         | t                   | LATIN SMALL LETTER T                  |
| 03C4;         | tau                 | GREEK SMALL LETTER TAU                |
| 0167;         | tbar                | LATIN SMALL LETTER T WITH STROKE      |
| 0165;         | tcaron              | LATIN SMALL LETTER T WITH CARON       |
| 0163;         | tcommaaccent        | LATIN SMALL LETTER T WITH CEDILLA     |
| 021B;         | tcommaaccent        | LATIN SMALL LETTER T WITH COMMA BELOW |
| 2234;         | therefore           | THEREFORE                             |
| 03B8;         | theta               | GREEK SMALL LETTER THETA              |
| 03D1;         | theta1              | GREEK THETA SYMBOL                    |
| 00FE;         | thorn               | LATIN SMALL LETTER THORN              |
| 0033;         | three               | DIGIT THREE                           |
| 215C;         | threeeighths        | VULGAR FRACTION THREE EIGHTHS         |
| 2083;         | threeinferior       | SUBSCRIPT THREE                       |
| F733;         | threeoldstyle       | OLDSTYLE DIGIT THREE                  |
| 00BE;         | threequarters       | VULGAR FRACTION THREE QUARTERS        |
| F6DE;         | threequartersemdash | THREE QUARTERS EM DASH                |
| 00B3;         | threesuperior       | SUPERSCRIPIT THREE                    |
| 02DC;         | tilde               | SMALL TILDE                           |

| <b>symbol</b> | <b>character</b> | <b>description</b>                        |
|---------------|------------------|---|
| 0303;         | tildecomb        | COMBINING TILDE                           |
| 0384;         | tonos            | GREEK TONOS                               |
| 2122;         | trademark        | TRADEMARK SIGN                            |
| F8EA;         | trademarksans    | TRADEMARK SIGN SANS SERIF                 |
| F6DB;         | trademarkserif   | TRADEMARK SIGN SERIF                      |
| 25BC;         | triagdn          | BLACK DOWN-POINTING TRIANGLE              |
| 25C4;         | triaglf          | BLACK LEFT-POINTING TRIANGLE              |
| 25BA;         | triagrt          | BLACK RIGHT-POINTING TRIANGLE             |
| 25B2;         | triagup          | BLACK UP-POINTING TRIANGLE                |
| F6F3;         | tsuperior        | SUPERSCRIPIT LATIN SMALL LETTER T         |
| 0032;         | two              | DIGIT TWO                                 |
| 2025;         | twodotenleader   | TWO DOT LEADER                            |
| 2082;         | twoinferior      | SUBSCRIPT TWO                             |
| F732;         | twooldstyle      | OLDSTYLE DIGIT TWO                        |
| 00B2;         | twosuperior      | SUPERSCRIPIT TWO                          |
| 2154;         | twothirds        | VULGAR FRACTION TWO THIRDS                |
| 0075;         | u                | LATIN SMALL LETTER U                      |
| 00FA;         | uacute           | LATIN SMALL LETTER U WITH ACUTE           |
| 016D;         | ubreve           | LATIN SMALL LETTER U WITH BREVE           |
| 00FB;         | ucircumflex      | LATIN SMALL LETTER U WITH CIRCUMFLEX      |
| 00FC;         | udieresis        | LATIN SMALL LETTER U WITH DIERESIS        |
| 00F9;         | ugrave           | LATIN SMALL LETTER U WITH GRAVE           |
| 01B0;         | uhorn            | LATIN SMALL LETTER U WITH HORN            |
| 0171;         | uhungarumlaut    | LATIN SMALL LETTER U WITH DOUBLE ACUTE    |
| 016B;         | umacron          | LATIN SMALL LETTER U WITH MACRON          |
| 005F;         | underscore       | LOW LINE                                  |
| 2017;         | underscoredbl    | DOUBLE LOW LINE                           |
| 222A;         | union            | UNION                                     |
| 2200;         | universal        | FOR ALL                                   |
| 0173;         | uogonek          | LATIN SMALL LETTER U WITH OGONEK          |
| 2580;         | upblock          | UPPER HALF BLOCK                          |
| 03C5;         | upsilon          | GREEK SMALL LETTER UPSILON                |
| 03CB;         | upsilondieresis  | GREEK SMALL LETTER UPSILON WITH DIALYTIKA |

| <b>symbol</b> | <b>character</b>     | <b>description</b>                                  |
|---------------|----------------------|---|
| 03B0;         | upsilondieresistonos | GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS |
| 03CD;         | upsilontonos         | GREEK SMALL LETTER UPSILON WITH TONOS               |
| 016F;         | uring                | LATIN SMALL LETTER U WITH RING ABOVE                |
| 0169;         | utilde               | LATIN SMALL LETTER U WITH TILDE                     |
| 0076;         | v                    | LATIN SMALL LETTER V                                |
| 0077;         | w                    | LATIN SMALL LETTER W                                |
| 1E83;         | wacute               | LATIN SMALL LETTER W WITH ACUTE                     |
| 0175;         | wcircumflex          | LATIN SMALL LETTER W WITH CIRCUMFLEX                |
| 1E85;         | wdieresis            | LATIN SMALL LETTER W WITH DIERESIS                  |
| 2118;         | weierstrass          | SCRIPT CAPITAL P                                    |
| 1E81;         | wgrave               | LATIN SMALL LETTER W WITH GRAVE                     |
| 0078;         | x                    | LATIN SMALL LETTER X                                |
| 03BE;         | xi                   | GREEK SMALL LETTER XI                               |
| 0079;         | y                    | LATIN SMALL LETTER Y                                |
| 00FD;         | yacute               | LATIN SMALL LETTER Y WITH ACUTE                     |
| 0177;         | ycircumflex          | LATIN SMALL LETTER Y WITH CIRCUMFLEX                |
| 00FF;         | ydieresis            | LATIN SMALL LETTER Y WITH DIERESIS                  |
| 00A5;         | yen                  | YEN SIGN  |
| 1EF3;         | ygrave               | LATIN SMALL LETTER Y WITH GRAVE                     |
| 007A;         | z                    | LATIN SMALL LETTER Z                                |
| 017A;         | zacute               | LATIN SMALL LETTER Z WITH ACUTE                     |
| 017E;         | zcaron               | LATIN SMALL LETTER Z WITH CARON                     |
| 017C;         | zdotaccent           | LATIN SMALL LETTER Z WITH DOT ABOVE                 |
| 0030;         | zero                 | DIGIT ZERO  |
| 2080;         | zeroinferior         | SUBSCRIPT ZERO                                      |
| F730;         | zerooldstyle         | OLDSTYLE DIGIT ZERO                                 |
| 2070;         | zerosuperior         | SUPERSCRIPIT ZERO                                   |
| 03B6;         | zeta                 | GREEK SMALL LETTER ZETA                             |