



6600 Series Printers
Applications Manual
Volume 3

Fonts and Character Sets

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Table of Contents

| | | |
|----------|--|-----------|
| 1 | Font Metrics | 7 |
| | Font Styles..... | 7 |
| | Character Height..... | 10 |
| | Height vs. LPI..... | 10 |
| | Character Width..... | 11 |
| | Width vs. CPI | 12 |
| | Character Attributes..... | 12 |
| | Additional Notes..... | 12 |
| 2 | Language Substitutions | 13 |
| 3 | Language And Character Set Escape Sequences | 15 |
| 4 | Standard Character Sets | 21 |
| | Proprinter And Epson Control Characters | 33 |
| 5 | Character Definitions | 35 |
| | IBM0 and IBM1 Characters | 37 |
| | ASCII Characters..... | 39 |
| | Latin 1 Characters | 41 |
| | Latin 2 Characters | 43 |
| | Cyrillic Characters..... | 45 |
| | Greek Characters | 47 |
| | DEC VT100 And Technical Characters | 49 |
| | Line Draw And IBM2 Characters | 51 |
| | Katakana Characters | 53 |
| A | Customer Support..... | 55 |
| | TallyGenicom Customer Support Center..... | 55 |
| | TallyGenicom Supplies Department | 55 |
| | Corporate Offices..... | 56 |

1

Font Metrics

Font Styles

Tally line printers support multiple types of fonts that vary in print quality and print speed. The font types are as described below and detailed in the following table.

- Draft (a high-speed font)
 - Enhanced Font (EF)
 - Constant Density Font (CDF)
- Data Processing (DP - a fast font with improved readability)
 - Enhanced Font (EF)
 - Constant Density Font (CDF)
- Near Letter Quality (NLQ - best readability)
 - Gothic Enhanced Font
 - Courier Enhanced Font
- Optical Character recognition (OCR - machine readable fonts)
 - OCR-A
 - OCR-B

The Enhanced Font (EF) styles are similar to the fonts offered in the MT661/691. These fonts print with different dot matrices and DPIs, depending on the CPI of the font. The advantage of the Enhanced Fonts is that they maintain very good readability as the CPI increases (and the size of the character decreases), and offer a wider range of CPIs. The disadvantage of the Enhanced Fonts is that the speed at which they are printed changes as the CPI of the font changes. This leads to reduced throughput with high CPI fonts, and makes the printing of mixed text and graphics files slow down considerably as the shuttle speed changes and/or the printer is forced to make multiple sweeps to print a single line.

The Constant Density Font (CDF) styles solve the problem of reduced throughput with higher CPIs by printing a given font with the same DPI (hence "constant density") regardless of the CPI. This allows the printer to print at a constant shuttle speed and never have to make multiple sweeps to print a single line. The result is considerably better throughput, especially on files with mixed text and graphics. The disadvantage is somewhat reduced readability of the high CPI fonts.

The Near Letter Quality fonts (NLQ) can be considered to be Enhanced Fonts, since the dot matrices and the DPI vary with the CPI.

The two Optical Character Recognition fonts (OCR) are only defined for the case of 10 CPI and use the matrices and DPIs shown in the table below:

Table 1. Font Metrics, 6600 Series

| | CPI | Print Density DPI [A(B)XC] | Dot Matrix [D(E)x(F+G+H)] |
|-----------------------------|------------|---|--------------------------------------|
| NLQ (Courier and Gothic) | 10 | 90 (180)x96 | 8(15)x(9+3+4) |
| | 12 | 90 (180)x96 | 6(11)x(9+3+4) |
| | 13.3 | 90 (180)x96 | 6(11)x(9+3+4) |
| | 15 | 120 (240)x96 | 5(9)x(9+3+4) |
| | 16.7 | 120 (240)x96 | 5(9)x(9+3+4) |
| | 17.1 | 120 (240)x96 | 5(9)x(9+3+4) |
| | 20 | 120 (240)x96 | 5(9)x(9+3+4) |
| Data Processing (CDF) | 10 | 60 (120)x72 | 5(9)x(7+2+3) |
| | 12 | 60 (120)x72 | 4(7)x(7+2+3) |
| | 13.3 | 60 (120)x72 | 4(7)x(7+2+3) |
| | 15 | 60 (120)x72 | 3(5)x(7+2+3) |
| | 17.1 | 60 (120)x72 | 3(5)x(7+2+3) |
| Enhanced DP | 12 | 80 (240)x72 | 5(13)x(7+2+3) |
| | 13.3 | 80 (240)x72 | 5(13)x(7+2+3) |
| | 15 | 120 (240)x72 | 5(9)x(7+2+3) |
| | 16.7 | 120 (240)x72 | 5(9)x(7+2+3) |
| | 17.1 | 120 (240)x72 | 5(9)x(7+2+3) |
| | 20 | 120 (240)x72 | 5(9)x(7+2+3) |
| Draft (CDF) | 10 | 60 (120)x48 | 5(9)x(5+1+2) |
| | 12 | 60 (120)x48 | 4(7)x(5+1+2) |
| | 13.3 | 60 (120)x48 | 4(7)x(5+1+2) |
| | 15 | 60 (120)x48 | 3(5)x(5+1+2) |
| | 17.1 | 60 (120)x48 | 3(5)x(5+1+2) |

Table 1. Font Metrics, 6600 Series

| | CPI | Print Density DPI [A(B)XC] | Dot Matrix [D(E)x(F+G+H)] |
|---|------------|---|--------------------------------------|
| Enhanced Draft | 12 | 80 (240)x48 | 5(13)x(5+1+2) |
| | 13.3 | 80 (240)x48 | 5(13)x(5+1+2) |
| | 15 | 120 (240)x48 | 5(9)x(5+1+2) |
| | 16.7 | 120 (240)x48 | 5(9)x(5+1+2) |
| | 17.1 | 120 (240)x48 | 5(9)x(5+1+2) |
| | 20 | 120 (240)x48 | 5(9)x(5+1+2) |
| Standard OCR-A | 10 | 60 (120)x85 | 5(9)x(9+3+4) |
| Enhanced OCR-A | 10 | 60 (120)x85 | 5(9)x(9+3+4) |
| High Density OCR-A | 10 | 80 (240)x144 | 7(19)x(15+5+4) |
| OCR-B | 10 | 90 (180)x144 | 8(19)x(13+5+6) ^a |
| A Maximum horizontal dot density B Horizontal dot placement resolution C Vertical dot density D Maximum dots per row E Horizontal positions F Maximum vertical dots for uppercase characters G Dots available for descenders H Dots available for ascenders ^a OCR-B numerics use two ascender rows | | | |

Character Height

Character height and vertical dot spacing is based upon units of 1/288 inch. Default 6 LPI uppercase character height is set at 24/288", or 1/12", for all font/CPI combinations. This height is measured from center of top dot to center of bottom dot. 12/288" has been allotted for ascenders (rows above the top of uppercase characters), and 11/288" has been allotted for descenders (rows below the bottom of uppercase characters). This gives the number of uppercase/ascender/descender rows listed in the table below.

The Uppercase character set is defined as the 63 ASCII characters beginning with Space (20 Hex) and ending with '^' (5E Hex), including all numerals and uppercase alphabetic characters. The Uppercase set uses no ascenders or descenders. The Lowercase character set, which includes the remaining ASCII characters (5F to 7F Hex), uses uppercase and descender rows. The Latin 1 and linedraw character sets use uppercase, ascender, and descender rows.

Table 2. Character Height

| Font | Draft | DP | NLQ | OCR-A | | | OCR-B |
|----------------|-------|----|-----|-------|-----|------|-------|
| | | | | STD | ENH | HIGH | |
| Uppercase rows | 5 | 7 | 9 | 9 | 9 | 15 | 13 |
| Ascender rows | 2 | 3 | 4 | 4 | 4 | 4 | 6 |
| Descender rows | 1 | 2 | 3 | 3 | 3 | 5 | 5 |
| Total rows | 8 | 12 | 16 | 16 | 16 | 24 | 24 |
| Vertical DPI | 48 | 72 | 96 | 85 | 96 | 144 | 144 |

Height vs. LPI

Each font supports printing at 1.5, 2, 3, 4, 5, 6, 8, 9, and 10 Lines per Inch (LPI). Variable LPI is accomplished by changing:

- a. the inter-line gap (number of dot rows skipped between successive lines);
- b. the character's vertical size.

Character vertical size may be increased by repeating rows. In most emulations, each character dot row is printed:

- 4 times at 1.5 LPI;
- 3 times at 2 LPI;
- 2 times at 3, 4, and 5 LPI;
- once at 6, 8, 9, and 10 LPI.

Character vertical size may also be adjusted by changing the vertical DPI from the normal values given in Figure 28. For example, at 8 LPI, descenders touch the top of upper case characters if normal row spacing is used, so a "compressed character" option is provided to give a more proportional inter-line gap. For example, 8 LPI DP lower case characters use 9 rows; at the normal 72 DPI spacing, there is no inter-line gap, each line touching the previous. With the "compressed character" option, the rows are spaced at 96 DPI, resulting in a 3-dot (3/96") inter-line gap.

Character Width

Character width and horizontal dot spacing is based upon units of 1/240 inch or 1/180 inch, with the actual dot spacing varying according to the font style and matrix used. Character width is set to about 85% of the total character cell space, with the remaining 15% for inter-character gap. OCRB character width is set at about 70% of cell space, to allow a 30% inter-character gap for machine readability.

Table 3. Character Width, 6600 Series

| | 10 CPI Matrix | 12 CPI Matrix | 15 CPI Matrix |
|---|----------------------|----------------------|----------------------|
| Dot Resolution/Spacing/Dot Density | | | |
| Draft/DP CDF | 120 / 2 / 60 | 120 / 2 / 60 | 120 / 2 / 60 |
| Draft/DP Enhanced | 120 / 2 / 60 | 240 / 3 / 80 | 240 / 2 / 120 |
| NLQ | 180 / 2 / 90 | 180 / 2 / 90 | 240 / 2 / 120 |
| OCR-A Standard/Enhanced | 120 / 2 / 60 | - | - |
| OCR-A High Density | 240 / 3 / 80 | - | - |
| OCR-B | 180 / 2 / 90 | - | - |
| Cell Columns/Char Columns/Max Dots | | | |
| Draft/DP CDF | 11 / 9 / 5 | 9 / 7 / 4 | 7 / 5 / 3 |
| Draft/DP Enhanced | 11 / 9 / 5 | 16 / 13 / 5 | 11 / 9 / 5 |
| NLQ | 17 / 15 / 8 | 13 / 11 / 6 | 11 / 9 / 5 |
| OCR-A Standard/Enhanced | 11 / 9 / 5 | - | - |
| OCR-A High Density | 22 / 19 / 7 | - | - |
| OCR-B | 17 / 15 / 8 | - | - |

Width vs. CPI

Each font (except OCR fonts) supports printing at 5, 6, 6.67, 7.5, 8.33, 8.57, 10, 12, 13.33, 15, 16.67, 17.14, and 20 characters per inch (CPI). When using pitches below 10 CPI, the character is expanded horizontally to double its normal size; i.e., each character column is duplicated. This eliminates the need for additional font matrices to support the smaller CPIs.

Character Attributes

The following character attributes are available in all fonts, and may be mixed in any combination: bold, italic, overline, underline, strikethrough, superscript, subscript.

- Bold characters are made by duplicating each dot in the character, with a 1/288" offset down and 1/240" offset across.
- Italic characters are made by shifting succeeding rows of character dots to the left, to produce the desired character slant.
- Overline, underline, and strikethrough are made by overlaying an appropriately spaced horizontal line in the character's ascender, descender, or center row, respectively. There is an option to enable/disable underlining of spaces.
- Superscript and subscript are made by vertically compressing the character, altering the normal row spacing. Superscript characters are shifted into ascender rows and subscript characters are shifted into descender rows.

Additional Notes

- Plot data is aligned with the top uppercase row (not the top ascender row) and leftmost character cell column.
- In the OCR-B font, the numerals 0 through 9 are two rows taller than upper case characters, so they use two ascender rows.
- The printer accepts DP and NLQ downloaded fonts in Tally ANSI, Epson, and Proprinter download formats. Download fonts print in enhanced mode. When printed at 12 CPI, diagonals are slightly crooked. Tally ANSI extended font characters drop the last column.

2

Language Substitutions

The following table lists languages in the order that they appear on the control panel for the Serial / Parallel / LAN interfaces.

| Language | Panel | 2 3 | 2 4 | 4 0 | 5 B | 5 C | 5 D | 5 E | 6 0 | 7 B | 7 C | 7 D | 7 E |
|---------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Int. Ref. Ver. – ISO 2 | IRV | # | □ | @ | [| \ |] | ^ | ' | { | | } | ~ |
| US – ISO 6 | US | # | \$ | @ | [| \ |] | ^ | ' | { | | } | ~ |
| German – ISO 21 | German | # | \$ | \$ | Ä | Ö | Ü | ^ | ' | ä | ö | ü | ß |
| Nor / Danish – ISO 60 | Norwegian/Dan | # | \$ | @ | Æ | Ø | Å | ^ | ' | æ | ø | å | ~ |
| French – ISO 69 | French | £ | \$ | à | ° | ç | § | ^ | ' | é | ù | è | ~ |
| United Kingdom – ISO 4 | UK | £ | \$ | @ | [| \ |] | ^ | ' | { | | } | ~ |
| Spanish – ISO 17 | Spanish | £ | \$ | \$ | í | Ñ | ¿ | ^ | ' | ° | ñ | ç | ~ |
| Swedish / Finn – ISO 11 | Swedish/Finish | # | □ | É | Ä | Ö | Å | Ü | é | ä | ö | å | ü |
| Italian – ISO 15 | Italian | £ | \$ | \$ | ° | ç | é | ^ | ' | à | ò | è | ì |
| Japanese – ISO 14 | Japanese | # | \$ | @ | [| ¥ |] | ^ | ' | { | | } | ~ |
| Portuguese – ISO 16 | Portuguese | # | \$ | \$ | Ä | Ç | Ó | ^ | ' | ã | ç | õ | ° |
| Canadian | Canadian | # | \$ | à | â | ç | ê | î | ô | é | ù | è | û |
| Hungarian | Hungarian | # | □ | Á | É | Ö | Ü | ^ | ' | á | é | ö | ü |
| Chinese | Chinese | # | ¥ | @ | [| \ |] | ^ | ' | { | | } | ~ |
| French T6 | French T6 | £ | \$ | à | ° | ç | § | ^ | ' | é | ù | è | ê |
| Swedish / Finnish T6 | Swedish T6 | # | □ | É | Ä | Ö | Å | Ü | é | ä | ö | å | ü |
| Italian T6 | Italian T6 | £ | \$ | \$ | ° | \ | é | ^ | ' | à | ò | è | ì |
| Canadian Alternate | Canadian Alt | # | \$ | à | â | ç | ê | É | ô | é | ù | è | û |
| Swe / Finn Basic – ISO 10 | Swedish Basic | # | □ | @ | Ä | Ö | Å | ^ | ' | ä | ö | å | ~ |
| French Withdrawn | French Withdrwn | £ | \$ | à | ° | ç | § | ^ | ' | é | ù | è | ~ |
| Norwegian / Danish T6 | Nor/Dan T6 | £ | \$ | @ | Æ | Ø | Å | ^ | ' | æ | ø | å | ~ |
| UK LG | UK LG | £ | \$ | @ | [| \ |] | ^ | ' | { | | } | ~ |
| Dutch LG | Dutch LG | £ | \$ | ¼ | ij | ½ | | ^ | ' | .. | f | ¼ | ' |
| Finnish LG | Finnish LG | # | \$ | @ | Ä | Ö | Å | Ü | é | ä | ö | å | ü |
| Swiss LG | Swiss LG | ù | \$ | à | é | ç | ê | î | ô | ä | ö | ü | û |
| JIS Roman LG | JIS Roman LG | # | \$ | @ | [| ¥ |] | ^ | ' | { | | } | ~ |
| Nor / Danish LG | Nor/Dan LG | # | \$ | Ä | Æ | Ø | Å | Ü | ä | æ | ø | å | ü |
| Swedish LG | Swedish LG | # | \$ | É | Ä | Ö | Å | Ü | é | ä | ö | å | ü |
| ISO Nor / Danish LG | ISO Nor/Dan LG | # | \$ | @ | Æ | Ø | Å | ^ | ' | æ | ø | å | ~ |
| Portuguese LG | Portuguese LG | # | \$ | @ | Ä | Ç | Ó | ^ | ' | ã | ç | õ | ~ |
| VT100 | VT100 | # | \$ | @ | [| \ |] | ^ | ♦ | π | ≠ | £ | • |
| Turkish LG | Turkish LG | # | \$ | İ | Ş | Ö | Ç | Ü | Ğ | ş | ö | ç | ü |
| Croatian-ASCII | Cro-ASCII | # | \$ | Ž | Š | Đ | Č | Ž | š | đ | č | ž | č |
| Nor / Danish Epsilon | Nor/Dan Epsilon | # | \$ | @ | Æ | Ø | Å | ^ | ' | æ | ø | å | ~ |
| French Epsilon | French Epsilon | # | \$ | à | ° | Ç | § | ^ | ' | é | ù | è | ~ |
| UK Epsilon | UK Epsilon | £ | \$ | @ | [| \ |] | ^ | ' | { | | } | ~ |
| Spanish Epsilon | Spanish Epsilon | Pt | \$ | @ | í | Ñ | ¿ | ^ | ' | ñ | } | ~ | |
| Italian Epsilon | Italian Epsilon | # | \$ | @ | \ | é | ^ | ' | ' | à | ò | è | ì |
| Norwegian Epsilon | Norwegian Epsilon | # | □ | É | Æ | Ø | Å | Ü | é | æ | ø | å | ü |
| Danish 2 Epsilon | Danish Epsilon | # | \$ | É | Æ | Ø | Å | Ü | é | æ | ø | å | ü |
| Spanish 2 Epsilon | Spanish 2 Epsilon | # | \$ | á | í | Ñ | ¿ | é | ' | í | ñ | ó | ú |
| Latin American Epsilon | Lat Amer Epsilon | # | \$ | á | í | Ñ | ¿ | é | ü | í | ñ | ó | ú |

NOTE: Swiss LG01 substitutes è into location 5F.

3

Language And Character Set Escape Sequences

All characters shown are ASCII except ESC which is 1B Hex and SOH which is 01 Hex. All other hex values are indicated by a 0x prefix. Languages or character sets not in this table can only be selected from the control panel.

| Language | Panel Display | Tally ANSI G0 | Tally ANSI G1 | Genicom ANSI | LG01 ¹ | MTPL ¹ |
|------------------------------|----------------------|----------------------|----------------------|-----------------------|--------------------------|--------------------------|
| ISO 2 IRV | IRV | ESC(@ | ESC)@ | - | - | - |
| ISO 4 UK | UK | ESC(A | ESC)A | ESC[7x or ESC[20x | - | ESC(A |
| ISO 6 US | US | ESC(B | ESC)B | ESC[0x | ESC(B | ESC(B |
| ISO 10 Swed/Finnish Basic | Swedish Basic | ESC(G | ESC)G | - | - | - |
| ISO 11 Swedish/Finnish | Swedish/Finish | ESC(H | ESC)H | ESC[15x or ESC[16x | - | ESC(H |
| ISO 14 Japanese | Japanese | ESC(J | ESC)J | - | - | - |
| ISO 15 Italian | Italian | ESC(Y | ESC)Y | ESC[6x or ESC[23x | ESC(Y | ESC(Y |
| ISO 16 Portuguese | Portuguese | ESC(L | ESC)L | - | - | ESC(L |
| ISO 17 Spanish | Spanish | ESC(Z | ESC)Z | ESC[8x or ESC[24x | ESC(Z | ESC(Z |
| ISO 21 German | German | ESC(K | ESC)K | ESC[1x | ESC(K | ESC(K |
| ISO 60 Nor/Danish | Norwegian/Dan | ESC(' | ESC)' | ESC[9x or ESC[10x | - | ESC(' |
| ISO 69 French | French | ESC(f | ESC)f | ESC[2x or ESC[3x | - | - |
| Canadian | Canadian | ESC(w | ESC)w | - | ESC(9 | - |

| Language | Panel Display | Tally ANSI G0 | Tally ANSI G1 | Genicom ANSI | LG01 ¹ | MTPL ¹ |
|------------------------------|------------------|-------------------|----------------------|-----------------------|-------------------|-------------------|
| Hungarian | Hungarian | ESC(i | ESC)i | - | - | - |
| Chinese | Chinese | ESC(T | ESC)T | - | - | - |
| French T6 | French T6 | ESC(2 | ESC)2 | - | - | - |
| Swedish/Finnish T6 | Swedish T6 | ESC(3 | ESC)3 | ESC[2x or ESC[3x | - | - |
| Italian T6 | Italian T6 | ESC(4 | ESC)4 | - | - | - |
| Canadian Alternate | Canadian Alt | ESC(x | ESC)x | ESC[4x | - | - |
| French Withdrawn | French Withdrawn | ESC(R | ESC)R | - | ESC(R | ESC(R |
| Nor/Danish T6 | Nor/Dan T6 | ESC(5 | ESC)5 | - | - | - |
| UK LG | UK LG | - | - | - | ESC(A | - |
| Dutch LG | Dutch LG | - | - | - | ESC)4 | - |
| Finnish LG | Finnish LG | - | - | - | ESC(5 | - |
| Swiss LG | Swiss LG | - | - | - | ESC(= | - |
| JIS Roman LG | JIS Roman LG | - | - | - | ESC(J | - |
| Nor/Danish LG | Nor/Dan LG | - | - | - | ESC(6 | - |
| Swedish LG | Swedish LG | - | - | - | ESC(7 | - |
| Danish II Epson | Danish Epson | - | - | ESC[11x or ESC[12x | - | - |
| ISO 8859-1 Latin 1 | Latin1 8859-1 | ESC,A or ESC(% | ESC-A or ESC)% | ESC8591x | - | ESC(% |
| ISO 8859-2 Latin 2 | Latin2 8859-2 | ESC(& | ESC)& | ESC[8591x | - | ESC(& |
| ISO 8859-5 Cyrillic | Cyrillic 8859-5 | ESC(* | ESC)* | ESC[8595x | - | ESC(* |
| ISO 8859-7 Greek | Greek 8859-7 | ESC(- | ESC)- | - | - | ESC(* |
| ISO 8859-9 Turkish | Turkish 8859-9 | ESC(. | ESC). | - | - | ESC(. |
| ISO 8859-15 Latin 9 | Latin9 8859-15 | ESC(/ | ESC)/ | - | - | ESC(/ |
| Code Page 437 IBM Proprinter | Code Page 437 | ESC(0x80 | ESC)6 or ESC)0x80 | ESC[437x | - | ESC(0x80 |
| Code Page 850 Latin 1 | Code Page 850 | ESC(0x82 | ESC)0x82 | ESC[850x | - | ESC(0x82 |

| Language | Panel Display | Tally ANSI G0 | Tally ANSI G1 | Genicom ANSI | LG01 ¹ | MTPL ¹ |
|---------------------------------------|-----------------|---------------|---------------|--------------|-------------------|-------------------|
| Code Page 851 Greek | Code Page 851 | ESC(0x88 | ESC)0x88 | - | - | ESC(0x88 |
| Code Page 852 Latin 2 | Code Page 852 | ESC(0x87 | ESC)0x87 | ESC[852x | - | ESC(0x87 |
| Code Page 857 Turkish | Code Page 857 | ESC(0x8B | ESC)0x8B | - | - | - |
| Code Page 855 Russian Cyrillic | Code Page 855 | ESC(0x8A | ESC)0x8A | ESC[855x | - | ESC(0x8A |
| Code Page 863 French Canadian | Code Page 863 | ESC(0x85 | ESC)0x85 | ESC[863x | - | ESC(0x85 |
| Code Page 866 Cyrillic | Code Page 866 | ESC(0x8E | ESC)0x8E | ESC[866x | - | ESC(0x8E |
| Code Page 1250 Windows 98 Latin 2 | Code Page 1250 | ESC(p | ESC)p | - | - | ESC(p |
| Code Page 1251 Windows 98 Cyrillic | Code Page 1251 | ESC(q | ESC)q | - | - | Esc(q |
| Code Page 1252 Windows 98 Latin 1 | Code Page 1252 | ESC(r | ESC)r | - | - | ESC(r |
| Code Page 1253 Windows 98 Greek | Code Page 1253 | ESC(s | ESC)s | - | - | ESC(s |
| Code Page 1254 Windows 98 Turkish | Code Page 1254 | ESC(t | ESC)t | - | - | ESC(t |
| DEC Multinational | DEC MultiNation | ESC(< | ESC)> | - | - | - |
| HP Roman-8 | Roman-8 | ESC(0x83 | ESC)0x83 | ESC[8575x | - | ESC(0x83 |
| ISO Katakana ISO 13 | - | ESC(1 | ESC)1 | - | - | - |
| Line Draw | - | ESC(7 | ESC)7 | - | - | - |
| SAP 8859-1 | - | ESC(+ | ESC)+ | - | - | - |
| SAP 8859-2 | - | ESC(, | ESC), | - | - | ESC(, |
| SAP 8859-5 | - | ESC(# | ESC)# | - | - | ESC(# |

¹ For LG01 and MTPL sequences, "(" indicates G0 and ")" indicates G1.
For MTPL sequences, "*" indicates G2 and "+" indicates G3.

| Language | Panel Display | Epson FX | P6000 | HP2564C ² | LGPlus ³ |
|--|--------------------|----------|----------|----------------------|---------------------|
| ISO 4 - UK | UK | - | SOHR0x03 | ESC(1E | - |
| ISO 6 - US | US | ESCR0x00 | SOHR0x00 | ESC(0U | ESC(B |
| ISO 11 - Swedish/ Swedish/ Finnish | Swedish/ Finish | ESCR0x05 | SOHR0x05 | ESC(0S | - |
| ISO 14 - Japanese | Japanese | - | SOHR0x08 | ESC(0K | - |
| ISO 15 - Italian | Italian | - | SOHR0x06 | - | ESC(Y |
| ISO 17 - Spanish | Spanish | - | - | - | ESC(Z |
| ISO 21 - German | German | ESCR0x02 | SOHR0x02 | ESC(0G | ESC(K |
| ISO 60 - Norwegian/ Nor/Danish | Norwegian/ Dan | - | SOHR0x04 | ESC(0D | - |
| ISO 69 - French | French | - | SOHR0x01 | ESC(0F | - |
| Canadian | Canadian | - | - | - | ESC(9 |
| French Withdrawn | French Withdrwn | - | - | - | ESC(R |
| UK LG | UK LG | - | - | - | ESC(R |
| Dutch LG | Dutch LG | - | - | - | ESC(4 |
| Finnish LG | Finnish LG | - | - | - | ESC(5 |
| Swiss LG | Swiss LG | - | - | - | ESC(= |
| JIS Roman LG | JIS Roman LG | ESCR0x08 | SOHR0x08 | - | ESC(J |
| Nor/Danish LG | Nor/Dan LG | - | - | - | ESC(6 |
| Swedish LG | Swedish LG | - | - | - | ESC(7 |
| ISO Nor/Dan LG | ISO Nor/Dan LG | - | - | - | ESC(' |
| Portuguese LG | Portuguese LG | - | - | - | ESC(%6 |
| VT100 | VT100 | - | - | - | ESC(0 |
| Turkish LG | Turkish LG | - | - | - | ESC(%2 |
| Danish II Epson | Danish Epson | ESCR0x0A | - | - | - |

| Language | Panel Display | Epson FX | P6000 | HP2564C ² | LGPlus ³ |
|-----------------------|----------------------|-----------------|--------------|-----------------------------|----------------------------|
| Norwegian Epson | Norwegian Epson | ESCR0x09 | - | - | - |
| Italian Epson | Italian Epson | ESCR0x06 | - | - | - |
| Spanish Epson | Spanish Epson | ESCR0x07 | SOHR0x07 | - | - |
| UK Epson | UK Epson | ESCR0x03 | - | - | - |
| French Epson | French Epson | ESCR0x01 | - | - | - |
| Nor/Danish Epson | Nor/Dan Epson | ESCR0x04 | - | - | - |
| ISO 8859-1 - Latin 1 | Latin1 8859-1 | - | - | ESC(0N | ESC-A |
| ISO 8859-2 - Latin 2 | Latin2 8859-2 | - | - | - | ESC-B |
| ISO 8859-5 - Cyrillic | Cyrillic 8859-5 | - | - | - | ESC-L |
| ISO 8859-7 - Greek | Greek 8859-7 | - | - | - | ESC-F |
| ISO 8859-9 - Turkish | Turkish 8859-9 | - | - | - | ESC-M |
| ISO 8859-15 - Latin 9 | Latin9 8859-15 | - | - | - | ESC-b |
| Code Page 869 Greek | Code Page 869 | - | - | - | ESC-0x9f |
| DEC Supplemental | DEC Supp. | - | - | - | ESC(%5 or ESC(< |
| DEC Technical | DEC Technical | - | - | - | ESC(> |
| DEC Turkish | DEC Turkish | - | - | - | - |
| Siemens Turkish | Siemens Turkish | - | - | - | - |
| Turkish Supplemental | Turkish Supp. | - | - | - | ESC(%0 |
| Greek Supplemental | Greek Supp. | - | - | - | ESC("? |
| HP Roman-8 | Roman-8 | - | - | ESC(8U or ESC(0E | - |
| ISO Katakana ISO 13 | - | - | - | ESC(1K | ESC(I |
| Line Draw | - | - | - | ESC(0L | - |

² For HP2564C sequences, “(“ indicates the primary character set and “)” indicates secondary.

³ For LGPlus sequences, “(“ represents (,), * or + to select G0, G1, G2 or G3. “-“ represents -, ., or / to select G1, G2 or G3.

4

Standard Character Sets

Latin 1 – ISO 8859-1

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|---|---|---|---|
| 0 | Ç | É | | ° | À | Ð | à | đ |
| 1 | ü | æ | ı | ± | Á | Ñ | á | ñ |
| 2 | é | Æ | ø | ² | Â | Ò | â | ò |
| 3 | â | ô | £ | ³ | Ã | Ó | ã | ó |
| 4 | ä | ö | ¤ | ´ | Ä | Ö | ä | ö |
| 5 | à | ò | ¥ | µ | Å | Õ | å | õ |
| 6 | â | û | ı | ¶ | Æ | Ö | æ | ö |
| 7 | ç | ù | § | · | Ç | × | ç | ÷ |
| 8 | ê | ÿ | ¨ | , | È | Ø | è | ø |
| 9 | ë | Ï | © | ¹ | É | Ù | é | ù |
| A | è | Ü | ª | º | Ê | Ú | ê | ú |
| B | ï | ø | « | » | Ë | Û | ë | û |
| C | î | £ | ¬ | ¼ | Ì | Ü | ì | ü |
| D | ì | ¥ | - | ½ | Í | Ý | í | ý |
| E | Ä | Pt | ® | ¾ | Î | ß | î | ß |
| F | Å | f | ™ | ¿ | Ï | ß | ï | ÿ |

Latin 2 – ISO 8859-2

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|---|---|---|---|
| 0 | Ç | É | | ° | Ř | Ð | í | đ |
| 1 | ü | æ | Ą | ą | Á | Ñ | á | ñ |
| 2 | é | Æ | ˘ | ˙ | Â | Ñ | â | ñ |
| 3 | â | ô | Ł | ł | Ã | Ó | ã | ó |
| 4 | ä | ö | ¤ | ´ | Ä | Ö | ä | ö |
| 5 | à | ò | Ł | ł | Ĺ | Ó | ĺ | ó |
| 6 | â | û | Ś | ś | Ć | Ö | ć | ö |
| 7 | ç | ù | § | ˘ | Ç | × | ç | ÷ |
| 8 | ê | ÿ | ¨ | , | Č | Ř | č | ř |
| 9 | ë | Ï | Ś | ś | É | Û | é | û |
| A | è | Ü | Ş | ş | Ę | Ú | ę | ú |
| B | ï | ø | Ť | ť | Ě | Û | ě | ů |
| C | î | £ | Ž | ž | Ě | Ü | ě | ü |
| D | ì | ¥ | - | ¨ | Í | Ý | í | ý |
| E | Ä | Pt | Ž | ž | Ī | Ť | ī | ť |
| F | Å | f | Ž | ž | Ď | ß | ď | · |

Latin 9 – ISO 8859-15

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|---|---|---|---|
| 0 | Ç | É | | ° | À | Ð | à | đ |
| 1 | ü | æ | ı | ± | Á | Ñ | á | ñ |
| 2 | é | Æ | ø | ² | Â | Ò | â | ò |
| 3 | â | ô | £ | ³ | Ã | Ó | ã | ó |
| 4 | ä | ö | € | Ž | Ä | Ö | ä | ö |
| 5 | à | ò | ¥ | µ | Å | Õ | å | õ |
| 6 | â | û | Š | š | Æ | Ö | æ | ö |
| 7 | ç | ù | § | · | Ç | × | ç | ÷ |
| 8 | ê | ÿ | š | ž | È | Ø | è | ø |
| 9 | ë | Ï | © | ¹ | É | Ù | é | ù |
| A | è | Ü | ª | º | Ê | Ú | ê | ú |
| B | ï | ø | « | » | Ë | Û | ë | û |
| C | î | £ | ¬ | ¼ | Ì | Ü | ì | ü |
| D | ì | ¥ | - | ½ | Í | Ý | í | ý |
| E | Ä | Pt | ® | ¾ | Î | ß | î | ß |
| F | Å | f | ™ | ¿ | Ï | ß | ï | ÿ |

Cyrillic – ISO 8859-5

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|---|---|---|---|
| 0 | Ç | É | | А | Р | а | р | № |
| 1 | ü | æ | Ё | Б | С | б | с | ё |
| 2 | é | Æ | Ѡ | В | Т | в | т | ђ |
| 3 | â | ô | Ґ | Г | У | г | у | ѓ |
| 4 | ä | ö | Є | Д | Ф | д | ф | є |
| 5 | à | ò | Ѕ | Е | Х | е | х | ѕ |
| 6 | â | û | І | Ж | Ц | ж | ц | і |
| 7 | ç | ù | Ї | З | Ч | з | ч | ї |
| 8 | ê | ÿ | Ј | И | Ш | и | ш | ј |
| 9 | ë | Ï | Љ | Й | Щ | й | щ | љ |
| A | è | Ü | Њ | К | Ъ | к | ъ | њ |
| B | ï | ø | Ѣ | Л | Ы | л | ы | ђ |
| C | î | £ | Ќ | М | Ь | м | ь | ќ |
| D | ì | ¥ | - | Н | Э | н | э | § |
| E | Ä | Pt | Ў | О | Ю | о | ю | ў |
| F | Å | f | Ѳ | П | Я | п | я | ѳ |

Greek – ISO 8859-7

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|----|----|---|---|---|
| 0 | Ç | É | | ° | ı̇ | Π | ü | π |
| 1 | Ü | æ | ` | ± | Α | Ρ | α | ρ |
| 2 | É | Æ | ´ | ² | Β | | β | ς |
| 3 | Â | ô | £ | ³ | Γ | Σ | γ | σ |
| 4 | Ä | ö | | ´ | Δ | Τ | δ | τ |
| 5 | À | ò | | ˘ | Ε | Υ | ε | υ |
| 6 | Á | ú | | Α | Ζ | Φ | ζ | φ |
| 7 | Ç | ù | § | ■ | Η | Χ | η | χ |
| 8 | Ê | ÿ | ¨ | Ε | Θ | Ψ | θ | ψ |
| 9 | Ë | Ö | © | Η | Ι | Ω | ι | ω |
| A | È | Ü | | ı̇ | Κ | Ϊ | κ | ϊ |
| B | İ | ç | « | » | Λ | Υ | λ | υ |
| C | Î | £ | ¬ | Ο | Μ | Ά | μ | ό |
| D | Ì | ¥ | - | ½ | Ν | Έ | ν | ύ |
| E | Ä | Pt | | Υ | Ξ | ή | ξ | ώ |
| F | À | f | - | Ω | Ο | ί | ο | |

Turkish – ISO 8859-9

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|---|---|---|---|
| 0 | Ç | É | | ° | À | Ğ | à | ğ |
| 1 | Ü | æ | ı | ± | Á | Ñ | á | ñ |
| 2 | É | Æ | ç | ² | Â | Ò | â | ò |
| 3 | Â | ô | £ | ³ | Ã | Ó | ã | ó |
| 4 | Ä | ö | ¤ | ´ | Ä | Ô | ä | ô |
| 5 | À | ò | ¥ | µ | Å | Õ | å | õ |
| 6 | Á | ú | | ¶ | Æ | Ö | æ | ö |
| 7 | Ç | ù | § | · | Ç | × | ç | ÷ |
| 8 | Ê | ÿ | ¨ | ¸ | È | Ø | è | ø |
| 9 | Ë | Ö | © | ¹ | É | Ù | é | ù |
| A | È | Ü | ª | º | Ê | Ú | ê | ú |
| B | İ | ç | « | » | Ë | Û | ë | û |
| C | Î | £ | ¬ | ¼ | Ì | Ü | ì | ü |
| D | Ì | ¥ | - | ½ | Í | İ | í | ı |
| E | Ä | Pt | ® | ¾ | Î | Ş | î | ş |
| F | À | f | ™ | ¿ | Ï | ß | ï | ÿ |

Code Page 437

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|---|---|---|---|
| 0 | Ç | É | á | █ | Ł | ł | α | ≡ |
| 1 | Ü | æ | í | █ | ł | ł | β | ± |
| 2 | é | Æ | ó | █ | ł | ł | Γ | ≥ |
| 3 | â | ô | ú | | ł | ł | π | ≤ |
| 4 | ä | ö | ñ | | ł | ł | Σ | |
| 5 | à | ò | Ñ | ł | ł | ł | σ | ı |
| 6 | á | ú | ª | ł | ł | ł | μ | ÷ |
| 7 | ç | ù | ° | ł | ł | ł | τ | ≈ |
| 8 | ê | ÿ | ¿ | ł | ł | ł | Φ | ° |
| 9 | ë | Ö | ¬ | ł | ł | ł | θ | • |
| A | è | Ü | ¬ | ł | ł | ł | Ω | • |
| B | ï | ç | ½ | ł | ł | █ | δ | √ |
| C | î | £ | ¼ | ł | ł | █ | ∞ | ∞ |
| D | ì | ¥ | ı | ł | = | █ | ø | ² |
| E | Ä | Pt | « | ł | ł | █ | ε | ■ |
| F | À | f | » | ł | ł | █ | ∩ | |

Code Page 437G - Greek

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 0 | Α | Ρ | ı | █ | Ł | ł | ω | Ω |
| 1 | Β | Σ | κ | █ | ł | ł | ά | ± |
| 2 | Γ | Τ | λ | █ | ł | ł | έ | ≥ |
| 3 | Δ | Υ | μ | | ł | ł | ή | ≤ |
| 4 | Ε | Φ | ν | | ł | ł | ϊ | |
| 5 | Ζ | Χ | ξ | ł | ł | ł | ί | ı |
| 6 | Η | Ψ | ο | ł | ł | ł | ό | ± |
| 7 | Θ | Ω | π | ł | ł | ł | ύ | ≈ |
| 8 | Ι | α | ρ | ł | ł | ł | ü | ° |
| 9 | Κ | β | ς | ł | ł | ł | ώ | £ |
| A | Λ | γ | σ | ł | ł | ł | Α | ¥ |
| B | Μ | δ | τ | ł | ł | █ | Ε | √ |
| C | Ν | ε | υ | ł | ł | █ | Η | ∞ |
| D | Ξ | ζ | φ | ł | = | █ | ı | ² |
| E | Ο | η | χ | ł | ł | █ | Ο | ■ |
| F | Π | θ | ψ | ł | ł | █ | Υ | |

Code Page 850 - Latin 1

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 0 | Ç | É | á | █ | Ł | đ | Ó | - |
| 1 | ü | æ | í | █ | ł | Đ | β | ± |
| 2 | é | Æ | ó | █ | ┘ | Ê | Ô | = |
| 3 | â | ô | ú | | ┘ | Ë | Ö | ¾ |
| 4 | ä | ö | ñ | | - | È | õ | ¶ |
| 5 | à | ò | Ñ | À | † | ı | Õ | § |
| 6 | â | û | ª | Â | ã | Í | μ | ÷ |
| 7 | ç | ù | º | À | Ã | Î | þ | · |
| 8 | ê | ÿ | ¿ | © | Ł | İ | ƒ | ° |
| 9 | ë | Ö | ® | ¶ | ¶ | Ј | Ú | ¨ |
| A | è | Ü | ¬ | ¶ | ¶ | Г | Û | ˙ |
| B | ï | ø | ½ | ¶ | ¶ | █ | Ü | ¹ |
| C | î | £ | ¼ | ¶ | ¶ | █ | ý | ³ |
| D | ì | Ø | ı | φ | = | | Ý | ² |
| E | Ä | × | « | ¥ | ¶ | İ | - | ■ |
| F | Å | f | » | ₯ | ¶ | █ | ' | |

Code Page 851 - Greek

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|----|---|---|---|---|---|
| 0 | Ç | ı | ı̇ | █ | Ł | Τ | ζ | - |
| 1 | ü | æ | ı̇ | █ | ł | Υ | η | ± |
| 2 | é | Ο | ó | █ | ┘ | Φ | θ | υ |
| 3 | â | ô | ú | | ┘ | Χ | ι | φ |
| 4 | ä | ö | Α | | - | Ψ | κ | χ |
| 5 | à | Υ | Β | Κ | † | Ω | λ | § |
| 6 | Α | û | Γ | Λ | Π | α | μ | ψ |
| 7 | ç | ù | Δ | Μ | Ρ | β | ν | · |
| 8 | ê | Ω | Ε | Ν | Λ | γ | ξ | ˙ |
| 9 | ë | Ö | Ζ | ¶ | ¶ | Ј | ο | ¨ |
| A | è | Ü | Η | ¶ | ¶ | Г | π | ω |
| B | ï | ά | ½ | ¶ | ¶ | █ | ρ | ü |
| C | î | £ | Θ | ¶ | ¶ | █ | σ | ü |
| D | È | έ | Ι | Ξ | = | δ | ς | ώ |
| E | Ä | ή | « | Ο | ¶ | ε | τ | ■ |
| F | Η | ί | » | Γ | Σ | █ | ' | |

Code Page 852 - Latin 2

| | 8 | 9 | A | B | C | D | E | F |
|---|----|---|---|---|---|---|----|---|
| 0 | Ç | É | á | █ | Ł | đ | Ó | - |
| 1 | ü | Ł | í | █ | ł | Đ | β | ¨ |
| 2 | é | Í | ó | █ | ┘ | Ď | Ô | ˘ |
| 3 | â | ô | ú | | ┘ | Ě | Ń | ˘ |
| 4 | ä | ö | Ą | | - | ď | ň | ˘ |
| 5 | û | Ł | ą | À | † | Ń | ň | § |
| 6 | ć | ı | Ž | Â | Ã | Í | Š | ÷ |
| 7 | ç | Ś | ž | Ě | ă | Î | š | · |
| 8 | ł | ś | Ę | Ş | Ł | ě | Ř | ° |
| 9 | ë | Ö | ę | ¶ | ¶ | Ј | Ú | ¨ |
| A | ó | Ü | | ¶ | ¶ | Г | ı̇ | ˙ |
| B | ó | ř | ž | ¶ | ¶ | █ | Û | ü |
| C | ı̇ | ř | Č | ¶ | ¶ | █ | ý | ř |
| D | Ž | ł | ş | Ž | = | ┘ | Ý | ř |
| E | Ä | × | « | ž | ¶ | Û | ı̇ | ■ |
| F | Č | č | » | ₯ | ¶ | █ | ' | |

Code Page 855 - Russian Cyrillic

| | 8 | 9 | A | B | C | D | E | F |
|---|----|----|---|---|---|---|---|---|
| 0 | ђ | љ | а | █ | Ł | л | Я | · |
| 1 | Ђ | Љ | А | █ | ł | Л | р | ы |
| 2 | ѓ | њ | б | █ | ┘ | м | Р | Ы |
| 3 | ђ | њ | Б | | ┘ | М | с | з |
| 4 | ë | ñ | ц | | - | н | С | З |
| 5 | Ě | ћ | Ц | х | † | Н | т | ш |
| 6 | е | ќ | д | Х | к | о | Т | Ш |
| 7 | Є | Ќ | Д | И | К | О | у | э |
| 8 | s | ÿ | e | И | Ł | п | У | Э |
| 9 | S | ÿ | E | ¶ | ¶ | Ј | ж | щ |
| A | ı̇ | ı̇ | ф | ¶ | ¶ | Г | Ж | Щ |
| B | ı̇ | ı̇ | Ф | ¶ | ¶ | █ | в | ч |
| C | ı̇ | ı̇ | Г | ¶ | ¶ | █ | В | Ч |
| D | ı̇ | ı̇ | Г | Й | = | П | ь | |
| E | j | ь | « | Й | ¶ | я | Ь | ■ |
| F | J | Ъ | » | ₯ | ¶ | █ | № | |

Code Page 857 - Turkish

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 0 | Ç | É | á | █ | Ł | ª | Ó | - |
| 1 | ü | æ | í | █ | Ł | º | ß | ± |
| 2 | é | Æ | ó | █ | Т | Ë | Ö | = |
| 3 | â | ô | ú | | Т | Ë | Ö | ¾ |
| 4 | ä | ö | ñ | | - | Ë | ö | ¶ |
| 5 | à | ò | Ñ | Á | † | ƒ | Ö | § |
| 6 | â | û | Ğ | Â | ã | Í | µ | ÷ |
| 7 | ç | ù | ğ | À | Ã | İ | þ | ¸ |
| 8 | ê | ï | ı | © | Ł | İ | × | ° |
| 9 | ë | Ö | ® | ¶ | ƒ | Ј | Ú | ™ |
| A | è | Ü | ¬ | ¶ | Ł | Г | Û | • |
| B | ï | ø | ½ | ¶ | ¶ | █ | Ü | ¹ |
| C | î | £ | ¼ | ¶ | ¶ | █ | ı | ³ |
| D | ı | Ø | ı | ¢ | = | | ÿ | ² |
| E | Ä | Ş | « | ¥ | ¶ | | - | ■ |
| F | Å | ş | » | ₺ | ¶ | █ | ' | |

Code Page 863 - French Canadian

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 0 | Ç | É | | █ | Ł | Ł | α | ≡ |
| 1 | ü | Ë | ' | █ | Ł | Т | β | ± |
| 2 | é | Ë | ó | █ | Т | Т | Γ | ≥ |
| 3 | â | ô | ú | | Т | Ł | π | ≤ |
| 4 | Â | Ë | ¨ | | - | Ł | Σ | |
| 5 | à | ï | ¸ | ¶ | † | ƒ | σ | Ј |
| 6 | ¶ | û | ³ | ¶ | ¶ | ¶ | µ | ÷ |
| 7 | ç | ù | - | ¶ | ¶ | ¶ | τ | ≈ |
| 8 | ê | æ | î | ¶ | Ł | ¶ | Φ | ° |
| 9 | ë | Ö | г | ¶ | ƒ | Ј | θ | • |
| A | è | Ü | ¬ | ¶ | Ł | Г | Ω | • |
| B | ï | ø | ½ | ¶ | ¶ | █ | δ | √ |
| C | î | £ | ¼ | ¶ | ¶ | █ | ∞ | n |
| D | = | Û | ¾ | ¶ | = | █ | ø | ² |
| E | À | Û | « | ¶ | ¶ | █ | ε | ■ |
| F | § | f | » | ₺ | ¶ | █ | ∩ | |

Code Page 866 - Cyrillic

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 0 | А | Р | а | █ | Ł | Ł | р | Ё |
| 1 | Б | С | б | █ | Ł | Т | с | ё |
| 2 | В | Т | в | █ | Т | Т | т | Є |
| 3 | Г | У | г | | Т | Ł | у | є |
| 4 | Д | Ф | д | | - | Ł | ф | ї |
| 5 | Е | Х | е | ¶ | † | ƒ | х | і |
| 6 | Ж | Ц | ж | ¶ | ƒ | ƒ | ц | Ў |
| 7 | З | Ч | з | ¶ | ¶ | ¶ | ч | ў |
| 8 | И | Ш | и | ¶ | Ł | ¶ | ш | ° |
| 9 | Й | Щ | й | ¶ | ƒ | Ј | щ | • |
| A | К | Ъ | к | ¶ | Ł | Г | ъ | • |
| B | Л | Ы | л | ¶ | ¶ | █ | ы | √ |
| C | М | Ь | м | ¶ | ¶ | █ | ь | № |
| D | Н | Э | н | ¶ | = | █ | э | α |
| E | О | Ю | о | ¶ | ¶ | █ | ю | ■ |
| F | П | Я | п | ₺ | ¶ | █ | я | |

Code Page 866B - Bulgarian

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|
| 0 | А | Р | а | р | Ł | █ | α | ≡ |
| 1 | Б | С | б | с | Ł | █ | β | ± |
| 2 | В | Т | в | т | Т | █ | Γ | ≥ |
| 3 | Г | У | г | у | Т | | π | ≤ |
| 4 | Д | Ф | д | ф | - | | Σ | |
| 5 | Е | Х | е | х | † | № | σ | Ј |
| 6 | Ж | Ц | ж | ц | ¶ | § | µ | ÷ |
| 7 | З | Ч | з | ч | ¶ | ¶ | τ | ≈ |
| 8 | И | Ш | и | ш | Ł | ¶ | Φ | ° |
| 9 | Й | Щ | й | щ | ƒ | Ј | θ | • |
| A | К | Ъ | к | ъ | Ł | Г | Ω | • |
| B | Л | Ы | л | ы | ¶ | █ | δ | √ |
| C | М | Ь | м | ь | ¶ | █ | ∞ | n |
| D | Н | Э | н | э | = | █ | ø | ² |
| E | О | Ю | о | ю | ¶ | █ | ε | ■ |
| F | П | Я | п | я | ₺ | █ | ∩ | |

Code Page 869 - Greek

| | 8 | 9 | A | B | C | D | E | F |
|---|---|---|----|---|---|---|---|---|
| 0 | | ı | ı̇ | █ | Ł | Ț | ζ | - |
| 1 | | İ | İ̇ | █ | ⊥ | Υ | η | ± |
| 2 | | Ο | ό | █ | ⊥ | Φ | θ | υ |
| 3 | | | ύ | | ⊥ | Χ | ι | φ |
| 4 | | | Α | | - | Ψ | κ | χ |
| 5 | | Υ | Β | Κ | ⊥ | Ω | λ | § |
| 6 | Α | ÿ | Γ | Λ | Π | α | μ | ψ |
| 7 | | © | Δ | Μ | Ρ | β | ν | ¨ |
| 8 | · | Ω | Ε | Ν | Λ | γ | ξ | ° |
| 9 | ¬ | ² | Ζ | ⊥ | ⊥ | ⊥ | ο | ¨ |
| A | | ³ | Η | | ⊥ | Γ | π | ω |
| B | ' | ά | ½ | ⊥ | ⊥ | █ | ρ | ü |
| C | ' | £ | Θ | ⊥ | ⊥ | █ | σ | ü |
| D | Έ | έ | Ι | Ξ | = | δ | ς | ώ |
| E | - | ή | « | Ο | ⊥ | ε | τ | ■ |
| F | Η | ί | » | Γ | Σ | █ | ' | |

Code Page 928 - Greek

| | 8 | 9 | A | B | C | D | E | F |
|---|---|----|---|---|----|---|---|---|
| 0 | Ç | É | | ° | ı̇ | Π | Ü | π |
| 1 | ü | æ | ' | ± | Α | Ρ | α | ρ |
| 2 | é | Æ | ` | ² | Β | | β | ς |
| 3 | â | ô | £ | ³ | Γ | Σ | γ | σ |
| 4 | ä | ö | | ' | Δ | Τ | δ | τ |
| 5 | à | ò | | ¨ | Ε | Υ | ε | υ |
| 6 | â | û | ı | Α | Ζ | Φ | ζ | φ |
| 7 | ç | ù | § | ' | Η | Χ | η | χ |
| 8 | ê | ÿ | ¨ | Έ | Θ | Ψ | θ | ψ |
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Code Page 1250 - Win 98 Latin 2

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Code Page 1251 - Win 98 Cyrillic

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| 9 | ‰ | ™ | © | № | Й | Щ | й | щ |
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| E | Ѣ | ѣ | ® | ѕ | О | Ю | о | ю |
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Code Page 1252 - Win 98 Latin 1

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Code Page 1253 - Win 98 Greek

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Code Page 1254 - Win 98 Turkish

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Roman-8

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DEC Multinational

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DEC Supplemental

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DEC Turkish

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Turkish Supplemental

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| A | è | Ü | ª | º | Ê | Ú | ê | ú |
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DEC Technical

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Greek Supplemental

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Kamenicky

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Mazovia

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SAP 8859-1

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SAP 8859-2

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SAP 8859-5

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Siemens Turkish

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Katakana
Line Draw

KATAKANA – ISO 13

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| 3 | | | 」 | ウ | テ | モ | C | S |
| 4 | | | 、 | エ | ト | ヤ | D | T |
| 5 | | | ・ | オ | ナ | ユ | E | U |
| 6 | | | ヨ | カ | ニ | ヨ | F | V |
| 7 | | | ア | キ | ヌ | ラ | G | W |
| 8 | | | イ | フ | ネ | リ | H | X |
| 9 | | | ウ | ケ | ノ | ル | I | Y |
| A | | | エ | コ | ハ | レ | J | Z |
| B | | | オ | サ | ヒ | ロ | K | [|
| C | | | ト | シ | フ | ワ | L | \ |
| D | | | ユ | ス | ヘ | ソ | M |] |
| E | | | ヨ | セ | ホ | “ | N | ^ |
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LINE DRAW

| | 8 | 9 | A | B | C | D | E | F |
|---|----|---|---|---|---|---|---|---|
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| 1 | ! | 1 | ┘ | ┘ | ┘ | ┘ | ≠ | ┘ |
| 2 | “ | 2 | ┘ | ┘ | + | ┘ | ≠ | ┘ |
| 3 | # | 3 | ┘ | ┘ | ■ | ┘ | ≠ | ┘ |
| 4 | \$ | 4 | ┘ | ┘ | ■ | ┘ | ≠ | ┘ |
| 5 | % | 5 | | ┘ | ┘ | ┘ | ≠ | ┘ |
| 6 | & | 6 | | ┘ | ┘ | + | ≠ | ┘ |
| 7 | ‘ | 7 | ┘ | ┘ | ┘ | ┘ | ≠ | ┘ |
| 8 | (| 8 | ┘ | ┘ | ┘ | ■ | ≠ | ┘ |
| 9 |) | 9 | | = | ┘ | ┘ | ≠ | ┘ |
| A | * | : | + | ┘ | ┘ | ┘ | ┘ | ┘ |
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| C | , | < | ┘ | ≠ | ┘ | ┘ | ┘ | ┘ |
| D | - | = | ┘ | ┘ | + | ┘ | ┘ | ┘ |
| E | . | > | ┘ | ≠ | + | ┘ | ┘ | ┘ |
| F | / | ? | + | ≠ | ┘ | ┘ | ┘ | |

ANSI OCR-A

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 0 | @ | P | H | p | ç | É | | ° | À | Ð | à | đ |
| 1 | | | ! | 1 | A | Q | a | q | ü | æ | ; | ± | Á | Ñ | á | ñ |
| 2 | | | " | 2 | B | R | b | r | é | £ | ç | ² | Â | Ò | â | ò |
| 3 | | | # | 3 | C | S | c | s | â | ô | £ | ³ | Ã | Ó | ã | ó |
| 4 | | | § | 4 | D | T | d | t | ä | ö | ¤ | ´ | Ä | Ô | ä | ö |
| 5 | | | % | 5 | E | U | e | u | à | ò | ¥ | µ | Å | Õ | å | õ |
| 6 | | | & | 6 | F | V | f | v | â | û | ; | ¶ | Æ | Ö | æ | ö |
| 7 | | | ´ | 7 | G | W | g | w | ç | ù | § | · | Ç | × | ç | ÷ |
| 8 | | | (| 8 | H | X | h | x | ê | ÿ | ¨ | ¸ | È | Ø | è | ø |
| 9 | | |) | 9 | I | Y | I | y | ë | ÿ | © | ¹ | É | Ù | é | ù |
| A | | | * | : | J | Z | j | z | è | Ü | ª | º | Ê | Ú | ê | ú |
| B | | | + | ; | K | [| k | { | ÿ | ç | « | » | Ë | Û | ë | û |
| C | | | , | < | L | \ | l | | î | £ | ¬ | ¼ | Ï | Ü | ï | ü |
| D | | | - | = | M |] | m | } | ï | ¥ | - | ½ | Í | Ý | í | ý |
| E | | | . | > | N | ^ | n | ~ | Ä | P | ® | ¾ | Î | Þ | î | þ |
| F | | | / | ? | O | _ | o | | Å | f | ¯ | ¿ | Ï | ß | ï | ÿ |

ANSI OCR-B

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|---|---|---|----|---|---|---|---|---|---|---|----|---|---|---|----|----|
| 0 | | | | 0 | @ | P | | p | | | | | | | À | à |
| 1 | | | ! | 1 | A | Q | a | q | | | | | | | Æ | æ |
| 2 | | | " | 2 | B | R | b | r | | | | | | | Ä | ä |
| 3 | | | # | 3 | C | S | c | s | | | £ | | | | | |
| 4 | | | \$ | 4 | D | T | d | t | | | \$ | | | | | |
| 5 | | | % | 5 | E | U | e | u | | | ¥ | | | | | |
| 6 | | | & | 6 | F | V | f | v | | | | | | | Ij | ij |
| 7 | | | % | 7 | G | W | g | w | | | § | | | | | |
| 8 | | | (| 8 | H | X | h | x | | | | | | | Ñ | |
| 9 | | |) | 9 | I | Y | I | y | | | | | | | Ø | ø |
| A | | | * | : | J | Z | j | z | | | | | | | Ö | ö |
| B | | | + | ; | K | [| k | { | | | | | | | | ß |
| C | | | , | < | L | \ | l | | | | | | | | | |
| D | | | - | = | M |] | m | } | | | | | | | Ü | ü |
| E | | | . | > | N | ^ | n | | | | | | | | | |
| F | | | / | ? | O | _ | o | ■ | | | | | | | | |

DIN OCR-A

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 0 | @ | P | | p | ç | É | | ° | À | Ð | à | đ |
| 1 | | | | 1 | A | Q | a | q | ü | æ | i | ± | Á | Ñ | á | ñ |
| 2 | | | " | 2 | B | R | b | r | é | £ | ç | ² | Â | Ò | â | ò |
| 3 | | | £ | 3 | C | S | c | s | â | ô | £ | ³ | Ã | Ó | ã | ó |
| 4 | | | ¢ | 4 | D | T | d | t | ä | ö | ¤ | ´ | Ä | Ô | ä | ô |
| 5 | | | % | 5 | E | U | e | u | à | ò | ¥ | µ | Å | Õ | å | õ |
| 6 | | | & | 6 | F | V | f | v | å | û | ¦ | ¶ | Æ | Ö | æ | ö |
| 7 | | | ' | 7 | G | W | g | w | ç | ù | § | · | Ç | × | ç | ÷ |
| 8 | | | { | 8 | H | X | h | x | ê | ÿ | ¨ | ¸ | È | Ø | è | ø |
| 9 | | | } | 9 | I | Y | I | y | ë | ÿ | © | ¹ | É | Ù | é | ù |
| A | | | * | : | J | Z | j | z | è | Û | ª | º | Ê | Ú | ê | ú |
| B | | | + | ; | K | | k | | ÿ | ç | « | » | Ë | Û | ë | û |
| C | | | , | < | L | ¥ | l | l | î | £ | ¬ | ¼ | Ï | Ü | ï | ü |
| D | | | - | = | M | ¥ | m | | ï | ¥ | - | ½ | Í | Ý | í | ý |
| E | | | . | > | N | | n | | Ä | P | ® | ¾ | Î | Þ | î | þ |
| F | | | / | ? | O | | o | ■ | Å | f | ¯ | ¿ | Ï | ß | ï | ÿ |

DIN OCR-B

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|----|----|
| 0 | | | | 0 | @ | P | | p | | | | | | | À | à |
| 1 | | | ! | 1 | A | Q | a | q | | | | | | | Æ | æ |
| 2 | | | " | 2 | B | R | b | r | | | | | | | Ä | ä |
| 3 | | | # | 3 | C | S | c | s | | | £ | | | | | |
| 4 | | | ¤ | 4 | D | T | d | t | | | \$ | | | | | |
| 5 | | | % | 5 | E | U | e | u | | | ¥ | | | | | |
| 6 | | | & | 6 | F | V | f | v | | | | | | | IJ | ij |
| 7 | | | % | 7 | G | W | g | w | | | § | | | | | |
| 8 | | | (| 8 | H | X | h | x | | | | | | | Ñ | |
| 9 | | |) | 9 | I | Y | I | y | | | | | | | Ø | ø |
| A | | | * | : | J | Z | j | z | | | | | | | Ö | ö |
| B | | | + | ; | K | [| k | { | | | | | | | | ß |
| C | | | , | < | L | ¥ | l | | | | | | | | | |
| D | | | - | = | M |] | m | } | | | | | | | Ü | ü |
| E | | | . | > | N | ^ | n | | | | | | | | | |
| F | | | / | ? | O | _ | o | ■ | | | | | | | | |

Proprinter And Epson Control Characters

In the IBM Proprinter III XL and FX-1180 emulations, it is possible to print from locations 00 Hex through 1F Hex with special escape sequences. The tables below define the printable characters:

| Proprinter | | | Epson | | |
|------------|---|----|-------|----|---|
| | 0 | 1 | | 0 | 1 |
| 0 | | ▶ | 0 | à | § |
| 1 | ☺ | ◀ | 1 | è | ß |
| 2 | ☹ | ↕ | 2 | ù | Æ |
| 3 | ♥ | !! | 3 | ò | æ |
| 4 | ♦ | ¶ | 4 | ì | Ø |
| 5 | ♣ | § | 5 | ° | ø |
| 6 | ♠ | — | 6 | £ | ¨ |
| 7 | ● | ↕ | 7 | ı | Ä |
| 8 | ◻ | ↑ | 8 | ı | Ö |
| 9 | ○ | ↓ | 9 | Ñ | Ü |
| A | ◼ | → | A | ñ | ä |
| B | ♂ | ← | B | ı | ö |
| C | ♀ | L | C | Pt | ü |
| D | ♪ | ↔ | D | À | É |
| E | ♫ | ▲ | E | à | é |
| F | ☀ | ▼ | F | ç | ¥ |

NOTE: The Epson table above applies only to the default Epson character set, which is Italic. When other character sets are selected in the Epson emulation, characters printed from locations 00 through 1F Hex are mapped to characters defined in locations 80 through 9F Hex of the selected character set.

5

Character Definitions

The tables below define all of the characters used to construct the character sets defined above. The first tables show the graphical representation of the characters as best as can be represented in this document using the Arial font in Word running Windows.

The second group of tables defines Unicode definition of each character, except for the Tally ANSI Line Draw characters. The Tally ANSI Line Draw characters are legacy characters that are considered to fall under the Unicode "Private Use" designation. The Unicode Standard is also defined by ISO 10646.

| | I | | | | S | | | | | | | L | | | | | | | N | | | | | |
|---|----|----|---|---|----|---|---|---|---|---|---|----|---|---|---|---|---|---|---|-----|---|--|--|--|
| | 3 | 4 | 5 | 6 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | | | |
| 0 | PE | ▶ | α | ≡ | | 0 | @ | P | ` | p | ı | ij | À | Đ | à | ð | À | ˘ | Ñ | ñ | Ğ | | | |
| 1 | ☉ | ◀ | β | ± | ! | 1 | A | Q | a | q | ı | ” | Á | Ñ | á | ñ | ˘ | š | Ň | ň | ğ | | | |
| 2 | ☉ | ↕ | Γ | ≥ | " | 2 | B | R | b | r | ¢ | Pt | Â | Ò | â | ò | Ł | ş | Õ | õ | ı | | | |
| 3 | ♥ | !! | π | ≤ | # | 3 | C | S | c | s | £ | ³ | Ã | Ó | ã | ó | Ł | ł | Ř | ř | | | | |
| 4 | ♦ | ⌈ | Σ | ∫ | \$ | 4 | D | T | d | t | ¤ | ´ | Ä | Ö | ä | ö | Š | ž | Ú | ú | | | | |
| 5 | ♣ | × | σ | ∫ | % | 5 | E | U | e | u | ¥ | ı | Å | Ö | å | ö | Š | ˘ | Ú | ú | | | | |
| 6 | ♠ | — | μ | ÷ | & | 6 | F | V | f | v | ı | ¶ | Æ | Ö | æ | ö | Š | ž | Ť | ť | | | | |
| 7 | ● | ↕ | τ | ≈ | ' | 7 | G | W | g | w | § | f | Ç | œ | ç | œ | Ť | ž | ř | · | | | | |
| 8 | ◻ | ↑ | Φ | ° | (| 8 | H | X | h | x | ¨ | ˘ | È | Ø | è | ø | Ž | Ř | ǎ | „ | | | | |
| 9 | ○ | ↓ | Θ | • |) | 9 | I | Y | I | y | © | ˘ | É | Ù | é | ù | Ž | ǎ | í | ... | | | | |
| A | ◻ | → | Ω | • | * | : | J | Z | j | z | ª | º | Ê | Ú | ê | ú | Ž | Í | ć | † | | | | |
| B | ♂ | ← | δ | √ | + | ; | K | [| k | { | « | » | Ë | Û | ë | û | ą | Č | č | % | | | | |
| C | ♀ | L | ∞ | n | , | < | L | \ | | | ¬ | ¼ | İ | Ü | ı | ü | ł | Č | ę | ‡ | | | | |
| D | ♪ | ↔ | φ | ² | - | = | M |] | m | } | ≡ | ½ | Í | Ý | í | ý | ł | Ę | ě | “ | | | | |
| E | ♪ | ▲ | ε | ■ | . | > | N | ^ | n | ~ | ® | ¾ | Î | Þ | î | þ | ł | Ě | ď | ™ | | | | |
| F | ☀ | ▼ | ∩ | ■ | / | ? | O | _ | o | △ | — | ¿ | İ | ÿ | ı | ÿ | ł | Ď | ď | € | | | | |

IBM0&1

ASCII

LATIN 1

LATIN 2

| | C | | | | | G | | | D | | |
|---|---|---|---|---|---|---|---|---|----|---|---|
| | 2 | 3 | 4 | 5 | 6 | 2 | 3 | 4 | 2 | 3 | 4 |
| 0 | ћ | ќ | т | л | г | ˆ | é | ü | HT | Г | > |
| 1 | ѓ | ђ | ж | п | з | А | ή | ó | FF | Л | ? |
| 2 | є | џ | ы | я | | Е | í | ú | CR | Г | Г |
| 3 | љ | ю | з | у | | Н | ü | ω | LF | Г | ∴ |
| 4 | њ | б | ш | ж | | Г | γ | ώ | NL | (| ∞ |
| 5 | ћ | ц | э | ы | | О | ζ | ´ | VT | (| ∇ |
| 6 | ќ | ц | щ | ш | | Υ | η | Υ | - |) | ≈ |
| 7 | ђ | ф | ч | э | | Ω | ι | Ω | - |) | ↔ |
| 8 | џ | г | ъ | щ | | İ | κ | θ | - | { | ⇒ |
| 9 | № | и | ю | ч | | Δ | λ | α | - | } | ⊂ |
| A | Ђ | й | б | ъ | | Λ | ξ | π | - | Г | ⊃ |
| B | Ѓ | к | ц | ь | | Π | ρ | ≡ | ≠ | Л | ∪ |
| C | Є | л | д | в | | Υ | ς | φ | √ | ∖ | ∧ |
| D | Љ | н | ф | у | | Ψ | υ | φ | Г | / | ∨ |
| E | Њ | п | и | м | | ÿ | ψ | ⊖ | - | Г | ∂ |
| F | Ћ | я | й | ѓ | | ά | ϊ | | | Г | |

CYRILLIC

GREEK

DEC

| | W | | | | M | | | K | | | | |
|---|--------------------|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 5 | 6 | 7 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | |
| 0 | [Complex patterns] | | | | | | | | | | | 0 |
| 1 | [Complex patterns] | | | | | | | | | | | 1 |
| 2 | [Complex patterns] | | | | | | | | | | | 2 |
| 3 | [Complex patterns] | | | | | | | | | | | 3 |
| 4 | [Complex patterns] | | | | | | | | | | | 4 |
| 5 | [Complex patterns] | | | | | | | | | | | 5 |
| 6 | [Complex patterns] | | | | | | | | | | | 6 |
| 7 | [Complex patterns] | | | | | | | | | | | 7 |
| 8 | [Complex patterns] | | | | | | | | | | | 8 |
| 9 | [Complex patterns] | | | | | | | | | | | 9 |
| A | [Complex patterns] | | | | | | | | | | | A |
| B | [Complex patterns] | | | | | | | | | | | B |
| C | [Complex patterns] | | | | | | | | | | | C |
| D | [Complex patterns] | | | | | | | | | | | D |
| E | [Complex patterns] | | | | | | | | | | | E |
| F | [Complex patterns] | | | | | | | | | | | F |

LDRAW

IBM2

KATA

IBM0 and IBM1 Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|--------------------------------------|-------|---------|----------------------------|
| I+30 | U+N/A | Parity Error Symbol | I+4B | U+2190 | Left Arrow |
| I+31 | U+263A | Open Smiley Face | I+4C | U+221F | Right Angle Symbol |
| I+32 | U+263B | Solid Smiley Face | I+4D | U+2194 | Left/Right Arrow |
| I+33 | U+2665 | Solid Heart | I+4E | U+25B2 | Up Solid Arrowhead |
| I+34 | U+2666 | Solid Diamond | I+4F | U+25BC | Down Solid Arrowhead |
| I+35 | U+2663 | Solid Club | I+50 | U+03B1 | Greek Small Letter Alpha |
| I+36 | U+2660 | Solid Spade | I+51 | U+00DF | Latin Small Letter Sharp S |
| I+37 | U+25CF | Medium Solid Round Bullet | I+52 | U+0393 | Greek Capital Letter Gamma |
| I+38 | U+25D8 | Large Solid Square with White Dot | I+53 | U+03C0 | Greek Small Letter Pi |
| I+39 | U+25CB | Medium Open Round Bullet | I+54 | U+03A3 | Greek Capital Letter Sigma |
| I+3A | U+25D9 | Large Solid Square with White Circle | I+55 | U+03C3 | Greek Small Letter Sigma |
| I+3B | U+2642 | Male Symbol | I+56 | U+03BC | Greek Small Letter Mu |
| I+3C | U+2640 | Female Symbol | I+57 | U+03C4 | Greek Small Letter Tau |
| I+3D | U+266A | Musical Note | I+58 | U+03A6 | Greek Small Letter Phi |
| I+3E | U+266B | Pair of Musical Notes | I+59 | U+0398 | Greek Capital Letter Theta |
| I+3F | U+2600 | Compass, or Eight Pointed Sun | I+5A | U+03A9 | Greek Capital Letter Omega |
| I+40 | U+25B6 | Right Solid Arrowhead | I+5B | U+03B4 | Greek Small Letter Delta |
| I+41 | U+26C0 | Left Solid Arrowhead | I+5C | U+221E | Infinity Symbol |
| I+42 | U+2195 | Up/Down Arrow | I+5D | U+03C6 | Greek Small Letter Phi |
| I+43 | U+203C | Double Exclamation Mark | I+5E | U+03B5 | Greek Small Letter Epsilon |
| I+44 | U+2310 | Logical Not | I+5F | U+2229 | Set Intersection Symbol |
| I+45 | U+00D7 | Multiplication Sign | I+60 | U+2261 | Exactly Equals Sign |
| I+46 | U+2583 | Thick Horizontal Mark | I+61 | U+00B1 | Plus Over Minus Sign |
| I+47 | U+21A8 | Up/Down Arrow Baseline | I+62 | U+2265 | Greater Than Or Equal Sign |
| I+48 | U+2191 | Up Arrow | I+63 | U+2264 | Less Than Or Equal Sign |
| I+49 | U+2193 | Down Arrow | I+64 | U+2321 | Top Integral |
| I+4A | U+2192 | Right Arrow | I+65 | U+2321 | Bottom Integral |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|--------------------------------|-------|---------|--|
| I+66 | U+00F7 | Divide Sign | I+6B | U+221A | Radical Symbol, or Standalone Diagonal |
| I+67 | U+2248 | Math Dot, or Centered Period | I+6C | U+207F | Superscript Lowercase N |
| I+68 | U+00B0 | Degree Sign | I+6D | U+00B2 | Superscript Digital 2 |
| I+69 | U+2219 | Math Dot, or Centered Period | I+6E | U+2584 | Medium Solid Square Box |
| I+6A | U+2024 | Centered Period, or Middle Dot | I+6F | U+2588 | Solid Full High/Wide, or Rubout |

ASCII Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|---|-------|---------|------------------------|
| S+20 | U+0020 | Space | S+3B | U+003B | Semicolon |
| S+21 | U+0021 | Exclamation Mark | S+3C | U+003C | Less Than Sign |
| S+22 | U+0022 | Quotation Mark, or Neutral Double Quote | S+3D | U+003D | Equals Sign |
| S+23 | U+0023 | Number Sign, or Pound Sign | S+3E | U+003E | Greater Than Sign |
| S+24 | U+0024 | Dollar Sign | S+3F | U+003F | Question Mark |
| S+25 | U+0025 | Percent Sign | S+40 | U+0040 | Commercial At |
| S+26 | U+0026 | Ampersand | S+41 | U+0041 | Latin Capital Letter A |
| S+27 | U+0027 | Apostrophe or Neutral Single Quote | S+42 | U+0042 | Latin Capital Letter B |
| S+28 | U+0028 | Opening Parenthesis | S+43 | U+0043 | Latin Capital Letter C |
| S+29 | U+0029 | Closing Parenthesis | S+44 | U+0044 | Latin Capital Letter D |
| S+2A | U+002A | Asterisk | S+45 | U+0045 | Latin Capital Letter E |
| S+2B | U+002B | Plus Sign | S+46 | U+0046 | Latin Capital Letter F |
| S+2C | U+002C | Comma or Decimal Separator | S+47 | U+0047 | Latin Capital Letter G |
| S+2D | U+002D | Hyphen or Minus Sign | S+48 | U+0048 | Latin Capital Letter H |
| S+2E | U+002E | Period or Full Stop | S+49 | U+0049 | Latin Capital Letter I |
| S+2F | U+002F | Slash or Solidus | S+4A | U+004A | Latin Capital Letter J |
| S+30 | U+0030 | Digit Zero | S+4B | U+004B | Latin Capital Letter K |
| S+31 | U+0031 | Digit One | S+4C | U+004C | Latin Capital Letter L |
| S+32 | U+0032 | Digit Two | S+4D | U+004D | Latin Capital Letter M |
| S+33 | U+0033 | Digit Three | S+4E | U+004E | Latin Capital Letter N |
| S+34 | U+0034 | Digit Four | S+4F | U+004F | Latin Capital Letter O |
| S+35 | U+0035 | Digit Five | S+50 | U+0050 | Latin Capital Letter P |
| S+36 | U+0036 | Digit Six | S+51 | U+0051 | Latin Capital Letter Q |
| S+37 | U+0037 | Digit Seven | S+52 | U+0052 | Latin Capital Letter R |
| S+38 | U+0038 | Digit Eight | S+53 | U+0053 | Latin Capital Letter S |
| S+39 | U+0039 | Digit Nine | S+54 | U+0054 | Latin Capital Letter T |
| S+3A | U+003A | Colon | S+55 | U+0055 | Latin Capital Letter U |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|------------------------|-------|---------|------------------------|
| S+56 | U+0056 | Latin Capital Letter U | S+6C | U+006C | Latin Small Letter L |
| S+57 | U+0057 | Latin Capital Letter U | S+6D | U+006D | Latin Small Letter M |
| S+58 | U+0058 | Latin Capital Letter U | S+6E | U+006E | Latin Small Letter N |
| S+59 | U+0059 | Latin Capital Letter U | S+6F | U+006F | Latin Small Letter O |
| S+5A | U+005A | Latin Capital Letter U | S+70 | U+0070 | Latin Small Letter P |
| S+5B | U+005B | Latin Capital Letter U | S+71 | U+0071 | Latin Small Letter Q |
| S+5C | U+005C | Latin Capital Letter U | S+72 | U+0072 | Latin Small Letter R |
| S+5D | U+005D | Latin Capital Letter U | S+73 | U+0073 | Latin Small Letter S |
| S+5E | U+005E | Latin Capital Letter U | S+74 | U+0074 | Latin Small Letter T |
| S+5F | U+005F | Latin Capital Letter U | S+75 | U+0075 | Latin Small Letter U |
| S+61 | U+0061 | Latin Small Letter A | S+76 | U+0076 | Latin Small Letter V |
| S+62 | U+0062 | Latin Small Letter B | S+77 | U+0077 | Latin Small Letter W |
| S+63 | U+0063 | Latin Small Letter C | S+78 | U+0078 | Latin Small Letter X |
| S+64 | U+0064 | Latin Small Letter D | S+79 | U+0079 | Latin Small Letter Y |
| S+65 | U+0065 | Latin Small Letter E | S+7A | U+007A | Latin Small Letter Z |
| S+66 | U+0066 | Latin Small Letter F | S+7B | U+007B | Open Curly Bracket |
| S+67 | U+0067 | Latin Small Letter G | S+7C | U+007C | Vertical Bar |
| S+68 | U+0068 | Latin Small Letter H | S+7D | U+007D | Closing Curly Bracket |
| S+69 | U+0069 | Latin Small Letter I | S+7E | U+007E | Tilde or Spacing Tilde |
| S+6A | U+006A | Latin Small Letter J | S+7F | U+2302 | House |
| S+6B | U+006B | Latin Small Letter K | | | |

Latin 1 Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|---------------------------------|-------|---------|-----------------------------------|
| L+20 | U+2081 | Subscript Digit One | L+39 | U+00B9 | Superscript Digit One |
| L+21 | U+00A1 | Inverted Exclamation Mark | L+3A | U+00BA | Masculine Ordinal Indicator |
| L+22 | U+00A2 | Cent Sign | L+3B | U+00BB | Right Pointing Guillemet |
| L+23 | U+00A3 | Pound Sign | L+3C | U+00BC | Fraction One Quarter |
| L+24 | U+00A4 | Currency Sign | L+3D | U+00BD | Fraction One Half |
| L+25 | U+00A5 | Yen Sign | L+3E | U+00BE | Fraction three Quarters |
| L+26 | U+00A6 | Broken Vertical Bar | L+3F | U+00BF | Inverted Question Mark |
| L+27 | U+00A7 | Section Sign | L+40 | U+00C0 | Latin Capital Letter A Grave |
| L+28 | U+00A8 | Spacing Diaeresis | L+41 | U+00C1 | Latin Capital Letter A Acute |
| L+29 | U+00A9 | Copyright Sign | L+42 | U+00C2 | Latin Capital Letter A Circumflex |
| L+2A | U+00AA | Feminine Ordinal Indicator | L+43 | U+00C3 | Latin Capital Letter A Tilde |
| L+2B | U+00AB | Left Pointing Guillemet | L+44 | U+00C4 | Latin Capital Letter A Diaeresis |
| L+2C | U+00AC | Not Sign | L+45 | U+00C5 | Latin Capital Letter A Ring |
| L+2D | U+2017 | Double Underscore | L+46 | U+00C6 | Latin Capital Letter AE |
| L+2E | U+00AE | Registered Trade mark Sign | L+47 | U+00C7 | Latin Capital Letter C Cedilla |
| L+2F | U+00AF | Spacing Macron | L+48 | U+00C8 | Latin Capital Letter E Grave |
| L+30 | U+0133 | Latin Small Letter Ligature I J | L+49 | U+00C9 | Latin Capital Letter E Acute |
| L+31 | U+201D | Closing Double Quote | L+4A | U+00CA | Latin Capital Letter E Circumflex |
| L+32 | U+20A7 | Paseta Sign | L+4B | U+00CB | Latin Capital Letter E Diaeresis |
| L+33 | U+00B3 | Superscript Digit 3 | L+4C | U+00CC | Latin Capital Letter I Grave |
| L+34 | U+00B4 | Spacing Acute | L+4D | U+00CD | Latin Capital Letter I Acute |
| L+35 | U+0131 | Latin Small Letter Dotless I | L+4E | U+00CE | Latin Capital Letter I Circumflex |
| L+36 | U+00B6 | Paragraph Sign or Pilcrow | L+4F | U+00CF | Latin Capital Letter I Diaeresis |
| L+37 | U+0192 | Latin Small Letter Script F | L+50 | U+00D0 | Latin Capital Letter Eth |
| L+38 | U+00B8 | Spacing Cedilla | L+51 | U+00D1 | Latin Capital Letter N Tilde |

| Tally | Unicode | Description | Tally | Unicode | Description |
|--------------|----------------|-----------------------------------|--------------|----------------|---------------------------------|
| L+52 | U+00D2 | Latin Capital Letter O Grave | L+69 | U+00E9 | Latin Small Letter E Acute |
| L+53 | U+00D3 | Latin Capital Letter O Acute | L+6A | U+00EA | Latin Small Letter E Circumflex |
| L+54 | U+00D4 | Latin Capital Letter O Circumflex | L+6C | U+00EC | Latin Small Letter I Grave |
| L+55 | U+00D5 | Latin Capital Letter O Tilde | L+6D | U+00ED | Latin Small Letter I Acute |
| L+56 | U+00D6 | Latin Capital Letter O Diaeresis | L+6E | U+00EE | Latin Small Letter I Circumflex |
| L+57 | U+00D7 | Latin Capital Letter OE | L+6F | U+00EF | Latin Small Letter I Diaeresis |
| L+58 | U+00D8 | Latin Capital Letter O Slash | L+70 | U+00F0 | Latin Small Letter Eth |
| L+59 | U+00D9 | Latin Capital Letter U Grave | L+71 | U+00F1 | Latin Small Letter N Tilde |
| L+5A | U+00DA | Latin Capital Letter U Acute | L+72 | U+00F2 | Latin Small Letter O Grave |
| L+5B | U+00DB | Latin Capital Letter U Circumflex | L+73 | U+00F3 | Latin Small Letter O Acute |
| L+5C | U+00DC | Latin Capital Letter U Diaeresis | L+74 | U+00F4 | Latin Small Letter O Circumflex |
| L+5D | U+00DD | Latin Capital Letter Y Acute | L+75 | U+00F5 | Latin Small Letter O Tilde |
| L+5E | U+00DE | Latin Capital Letter Thorn | L+76 | U+00F6 | Latin Small Letter O Diaeresis |
| L+5F | U+0178 | Latin Capital Letter Y Diaeresis | L+77 | U+00F7 | Latin Small Letter OE |
| L+60 | U+00E0 | Latin Small Letter A Grave | L+78 | U+00F8 | Latin Small Letter O Slash |
| L+61 | U+00E1 | Latin Small Letter A Acute | L+79 | U+00F9 | Latin Small Letter U Grave |
| L+62 | U+00E2 | Latin Small Letter A circumflex | L+7A | U+00FA | Latin Small Letter U Acute |
| L+63 | U+00E3 | Latin Small Letter A Tilde | L+7B | U+00FB | Latin Small Letter U Circumflex |
| L+64 | U+00E4 | Latin Small Letter A Diaeresis | L+7C | U+00FC | Latin Small Letter U Diaeresis |
| L+65 | U+00E5 | Latin Small Letter A Ring | L+7D | U+00FD | Latin Small Letter Y Acute |
| L+66 | U+00E6 | Latin Small Letter AE | L+7E | U+00FE | Latin Small Letter Thorn |
| L+67 | U+00E7 | Latin Small Letter C Cedilla | L+7F | U+00FF | Latin Small Letter Y Diaeresis |
| L+68 | U+00E8 | Latin Small Letter E Grave | L+6B | U+00EB | Latin Small Letter E Diaeresis |

Latin 2 Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|--------------------------------|-------|---------|-------------------------------------|
| N+20 | U+0104 | Latin Capital Letter A Ogonek | N+3A | U+0139 | Latin Capital Letter L Acute |
| N+21 | U+02D8 | Spacing Breve | N+3B | U+0106 | Latin Capital Letter C Acute |
| N+22 | U+0141 | Latin Capital Letter L Slash | N+3C | U+010C | Latin Capital Letter C Hacek |
| N+23 | U+013D | Latin Capital Letter L Hacek | N+3D | U+0118 | Latin Capital Letter E Ogonek |
| N+24 | U+015A | Latin Capital Letter S Acute | N+3E | U+0114 | Latin Capital Letter E Breve |
| N+25 | U+0160 | Latin Capital Letter S Hacek | N+3F | U+010E | Latin Capital Letter D Hacek |
| N+26 | U+015E | Latin Capital Letter S Cedilla | N+40 | U+0143 | Latin Capital letter N Acute |
| N+27 | U+0164 | Latin Capital Letter T Hacek | N+41 | U+0147 | Latin Capital Letter N Hacek |
| N+28 | U+0179 | Latin Capital Letter Z Acute | N+42 | U+0150 | Latin Capital Letter O Double Acute |
| N+29 | U+017D | Latin Capital Letter Z Hacek | N+43 | U+0158 | Latin Capital letter R Hacek |
| N+2A | U+017B | Latin Capital Letter Z Dot | N+44 | U+016E | Latin Capital Letter U Ring |
| N+2B | U+0105 | Latin Small Letter A Ogonek | N+45 | U+0170 | Latin Capital Letter U Double Acute |
| N+2C | U+02DB | Spacing Ogonek | N+46 | U+0162 | latin Capital Letter T Cedilla |
| N+2D | U+0142 | Latin Small Letter L Slash | N+47 | U+0155 | Latin Small Letter R Acute |
| N+2E | U+013E | Latin Small Letter L Hacek | N+48 | U+0102 | Latin Small Letter A Breve |
| N+2F | U+015B | Latin Small Letter S Acute | N+49 | U+013A | Latin Small Letter L Acute |
| N+30 | U+02C7 | Spacing Hacek | N+4A | U+0107 | latin Small Letter C Acute |
| N+31 | U+0161 | latin Small Letter S Hacek | N+4B | U+010D | Latin Small Letter C Hacek |
| N+32 | U+015F | Latin Small Letter S Cedilla | N+4C | U+0119 | Latin Small letter E Ogonek |
| N+33 | U+0165 | Latin Small Letter T Hacek | N+4D | U+0115 | Latin Small Letter E Breve |
| N+34 | U+017A | Latin Small Letter Z Acute | N+4E | U+010F | Latin Small Letter D Hacek |
| N+35 | U+02DD | Spacing Double Acute | N+4F | U+0111 | Latin Small Letter D Bar |
| N+36 | U+017E | Latin Small Letter Z Hacek | N+50 | U+0144 | Latin Small Letter N Acute |
| N+37 | U+017C | Latin Small Letter Z Dot | N+51 | U+0148 | Latin Small Letter N Hacek |
| N+38 | U+0154 | Latin Capital Letter R Acute | N+52 | U+0151 | Latin Small Letter O Double Acute |
| N+39 | U+01A2 | Latin Capital letter A Breve | N+53 | U+00D3 | Latin Capital Letter O Acute |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|-----------------------------------|-------|---------|------------------------------|
| N+54 | U+016F | Latin Small Letter U Ring | N+5C | U+2021 | Double Dagger |
| N+55 | U+0171 | Latin Small Letter U Double Acute | N+5D | U+201C | Open Double Quotation Mark |
| N+56 | U+0163 | Latin Small Letter T Cedilla | N+5E | U+2122 | Trademark Symbol |
| N+57 | U+02D9 | Spacing Dot Above | N+5F | U+20AC | Euro Currency Symbol |
| N+58 | U+201E | Low Closing Double Quotation Mark | N+60 | U+011E | Latin Capital Letter G Breve |
| N+59 | U+2026 | Horizontal Ellipsis | N+61 | U+011F | Latin Small Letter G Breve |
| N+5A | U+2020 | Dagger | N+62 | U+0130 | Latin Capital Letter I Dot |
| N+5B | U+2030 | Per Mile Sign | | | |

Cyrillic Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|---------------------------------|-------|---------|----------------------------------|
| C+20 | U+0452 | Cyrillic Small Letter Dje | C+3B | U+043A | Cyrillic Small Letter Ka |
| C+21 | U+0453 | Cyrillic Small Letter Gje | C+3C | U+043B | Cyrillic Small Letter El |
| C+22 | U+0454 | Cyrillic Small Letter E | C+3D | U+043D | Cyrillic Small Letter En |
| C+23 | U+0459 | Cyrillic Small Letter Lje | C+3E | U+043E | Cyrillic Small Letter Pe |
| C+24 | U+045A | Cyrillic Small Letter Nje | C+3F | U+044F | Cyrillic Small Letter I |
| C+25 | U+045B | Cyrillic Small Letter Tshe | C+40 | U+0442 | Cyrillic Small Letter Te |
| C+26 | U+045C | Cyrillic Small Letter Kje | C+41 | U+0436 | Cyrillic Small Letter Zhe |
| C+27 | U+045D | Cyrillic Small Letter Short U | C+42 | U+044B | Cyrillic Small Letter Yeri |
| C+28 | U+045E | Cyrillic Small Letter Dzhe | C+43 | U+0437 | Cyrillic Small Letter Ze |
| C+29 | U+2116 | Numero | C+44 | U+0448 | Cyrillic Small Letter Sha |
| C+2A | U+0402 | Cyrillic Capital Letter Dje | C+45 | U+044D | Cyrillic Small Letter Reversed E |
| C+2B | U+0403 | Cyrillic Capital Letter Gje | C+46 | U+0449 | Cyrillic Small Letter Shcha |
| C+2C | U+0404 | Cyrillic Capital Letter E | C+47 | U+0447 | Cyrillic Small Letter Che |
| C+2D | U+0409 | Cyrillic Capital Letter Lje | C+48 | U+044A | Cyrillic Small Letter Hard Sign |
| C+2E | U+040A | cyrillic Capital Letter Nje | C+49 | U+042E | Cyrillic Capital Letter Iu |
| C+2F | U+040B | Cyrillic Capital Letter Tshe | C+4A | U+0411 | Cyrillic Capital Letter Be |
| C+30 | U+040C | Cyrillic Capital Letter Kje | C+4B | U+0426 | Cyrillic Capital Letter Tse |
| C+31 | U+040E | Cyrillic Capital Letter Short U | C+4C | U+0414 | Cyrillic Capital Letter De |
| C+32 | U+040F | Cyrillic Capital Letter Dzhe | C+4D | U+0424 | Cyrillic Capital Letter Ef |
| C+33 | U+044E | Cyrillic Small Letter Iu | C+4E | U+0418 | Cyrillic Capital Letter Ii |
| C+34 | U+0431 | Cyrillic Small Letter Be | C+4F | U+0419 | Cyrillic Capital Letter Short Ii |
| C+35 | U+0426 | Cyrillic Capital Letter Tse | C+50 | U+041B | Cyrillic Capital Letter El |
| C+36 | U+0446 | Cyrillic Small Letter Tse | C+51 | U+041F | Cyrillic Capital Letter Pe |
| C+37 | U+0444 | Cyrillic Small Letter Ef | C+52 | U+042F | Cyrillic Capital Letter Ia |
| C+38 | U+0433 | Cyrillic Small Letter Ge | C+53 | U+0423 | Cyrillic Capital Letter U |
| C+39 | U+0438 | Cyrillic Small Letter Ii | C+54 | U+0416 | Cyrillic Capital Letter Zhe |
| C+3A | U+0439 | Cyrillic Small Letter Short Ii | C+55 | U+042B | Cyrillic Capital Letter Yeri |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|------------------------------------|-------|---------|-----------------------------|
| C+56 | U+0428 | Cyrillic Capital Letter Sha | C+5C | U+0432 | Cyrillic Small Letter Ve |
| C+57 | U+042D | Cyrillic Capital Letter Reversed E | C+5D | U+0443 | Cyrillic Small Letter U |
| C+58 | U+0429 | Cyrillic Capital Letter Shcha | C+5E | U+043C | Cyrillic Small Letter Em |
| C+59 | U+0427 | Cyrillic Capital Letter Che | C+5F | U+0403 | Cyrillic Capital Letter Gje |
| C+5A | U+042A | Cyrillic Capital Letter Hard Sign | C+60 | U+0453 | Cyrillic Small Letter Gje |
| C+5B | U+044C | Cyrillic Small Letter Soft Sign | | | |

Greek Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|--|-------|---------|--|
| G+20 | U+03F4 | Greek Spacing Diaeresis Tonos | G+33 | U+03B0 | Greek Small Letter upsilon Diaeresis Tonos |
| G+21 | U+0386 | Greek Capital Letter Alpha Tonos | G+34 | U+03B3 | Greek Small Letter Gamma |
| G+22 | U+0388 | Greek Capital Letter Epsilon Tonos | G+35 | U+03B6 | Greek Small Letter Zeta |
| G+23 | U+0389 | Greek Capital Letter Eta Tonos | G+36 | U+03B7 | Greek Small Letter Eta |
| G+24 | U+028A | Greek Capital Letter Iota Tonos | G+37 | U+03B9 | Greek Small Letter Iota |
| G+25 | U+038C | Greek Capital Letter Omicron Tonos | G+38 | U+03BA | Greek Small Letter Kappa |
| G+26 | U+038E | Greek Capital Letter Upsilon Tonos | G+39 | U+03BB | Greek Small Letter Lambda |
| G+27 | U+038F | Greek Capital letter Omega Tonos | G+3A | U+03BE | Greek Small Letter Xi |
| G+28 | U+0390 | Greek Capital Letter Delta | G+3B | U+03C1 | Greek Small Letter Ro |
| G+29 | U+0394 | Greek Capital Letter Delta | G+3C | U+03C2 | Greek Small Letter Final Sigma |
| G+2A | U+039B | Greek Capital Letter Lambda | G+3D | U+03C5 | Greek Small Letter Upsilon |
| G+2B | U+03A0 | Greek Capital Letter Pi | G+3E | U+03C8 | Greek Small Letter Psi |
| G+2C | U+03A5 | Greek Capital Letter Upsilon | G+3F | U+03CA | Greek Small Letter Iota Diaeresis |
| G+2D | U+03A8 | Greek Capital Letter Psi | G+40 | U+03CB | Greek Small Letter Upsilon Diaeresis |
| G+2E | U+03AB | Greek Capital Letter Upsilon Diaeresis | G+41 | U+03CC | Greek Small Letter Omicron Tonos |
| G+2F | U+03AC | Greek Small Letter Alpha Tonos | G+42 | U+03CD | Greek Small Letter Upsilon Tonos |
| G+30 | U+03AD | Greek Small Letter Epsilon Tonos | G+43 | U+03C9 | Greek Small Letter Omega |
| G+31 | U+03AE | Greek Small Letter Eta Tonos | G+44 | U+03CE | Greek Small Letter Omega Tonos |
| G+32 | U+03AF | Greek Small Letter Iota Tonos | G+45 | U+03F3 | Greek Spacing Tonos |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|---|-------|---------|---|
| G+46 | U+038E | Greek Capital Letter Upsilon Tonos (Alternate Style) | G+4B | U+039E | Greek Capital Letter Xi |
| G+47 | U+038F | Greek Capital Letter Omega Tonos | G+4C | U+03C6 | Greek Small Letter Phi |
| G+48 | U+03B8 | Greek Small Letter Theta | G+4D | U+03C6 | Greek Small Letter Phi (alternate style) |
| G+49 | U+03B1 | Greek Small Letter Alpha | G+4E | N/A | Greek Capital Omega (traditional) |
| G+4A | U+03C0 | Greek Small Letter Pi | | | |

DEC VT100 And Technical Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|-----------------------------------|-------|---------|--------------------------------|
| D+20 | U+2409 | Symbol for Horizontal Tabulation | D+36 | U+239E | Right parenthesis Upper Hook |
| D+21 | U+240C | Symbol for Form Feed | D+37 | U+03B9 | Greek Small Letter Iota |
| D+22 | U+240D | Symbol for Carriage Return | D+38 | U+03BA | Greek Small Letter Kappa |
| D+23 | U+240A | Symbol for Line Feed | D+39 | U+03BB | Greek Small Letter Lambda |
| D+24 | U+2424 | Symbol for New Line | D+3A | N/A | Top Left Sigma |
| D+25 | U+240B | Symbol for Vertical Tabulation | D+3B | N/A | Bottom Left Sigma |
| D+26 | U+23BA | Horizontal Scan Line 1 | D+3C | N/A | Top Diagonal Sigma |
| D+27 | U+23BB | Horizontal Scan Line 3 | D+3D | N/A | Bottom Diagonal Sigma |
| D+28 | N/A | Horizontal Scan Line 5 | D+3E | N/A | Top Right Sigma |
| D+29 | U+23BC | Horizontal Scan Line 7 | D+3F | N/A | Bottom Right Sigma |
| D+2A | U+23BD | Horizontal Scan Line 9 | D+40 | N/A | Middle Sigma |
| D+2B | U+2260 | Not Equal To | D+41 | U+2426 | Symbol for Substitute Form Two |
| D+2C | U+23B7 | Radical Symbol Bottom | D+42 | U+222B | Integral |
| D+2D | U+250C | Box Drawings Light Down and Right | D+43 | U+2234 | Therefore |
| D+2E | U+2500 | Box Drawings Light Horizontal | D+44 | U+221D | Proportional To |
| D+2F | U+2502 | Box Drawings Light Vertical | D+45 | U+2207 | Nabla |
| D+30 | U+23A1 | Left Square Bracket Upper Corner | D+46 | U+2243 | Asymptotically Equal To |
| D+31 | U+23A3 | Left Square Bracket Lower Corner | D+47 | U+21D4 | Left Right Double Arrow |
| D+32 | U+23A4 | Right Square Bracket Upper Corner | D+48 | U+21D2 | Rightwards Double Arrow |
| D+33 | U+23A6 | Right Square Bracket Lower Corner | D+49 | U+2282 | Subset Of |
| D+34 | U+239B | Left Parenthesis Upper Hook | D+4A | U+2283 | Superset Of |
| D+35 | U+239D | Left Parenthesis Lower Hook | D+4B | U+222A | Union |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|-------------|-------|---------|----------------------|
| D+4C | U+2227 | Logical And | D+4E | U+2202 | Partial Differential |
| D+4D | U+2228 | Logical Or | | | |

Line Draw And IBM2 Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|---------------------------------------|-------|---------|---|
| M+30 | U+2591 | Light Shade | M+43 | U+251C | Forms Vertical and Right |
| M+31 | U+2592 | Medium Shade | M+44 | U+2500 | Forms Horizontal |
| M+32 | U+2593 | Dark Shape | M+45 | U+253C | Forms Horizontal and Vertical |
| M+33 | U+2502 | Forms Vertical | M+46 | U+255E | Forms Vertical Single and Double Right |
| M+34 | U+2524 | Forms Vertical and Left | M+47 | U+255F | Forms Vertical Double and Right Single |
| M+35 | U+2561 | Forms Vertical Single and Left Double | M+48 | U+255A | Forms Double Up and Right |
| M+36 | U+2562 | Forms Vertical Double and Left Single | M+49 | U+2554 | Forms Double Down and Right |
| M+37 | U+2556 | Forms Left Double and Down Single | M+4A | U+2569 | Forms Double Up and Horizontal |
| M+38 | U+2555 | Forms Left Double and Down Single | M+4B | U+2566 | Forms Double Down and Horizontal |
| M+39 | U+2563 | Forms Double Vertical and Left | M+4C | U+2560 | Forms Double Vertical and Right |
| M+3A | U+2551 | Forms Double Vertical | M+4D | U+2550 | Forms Double Horizontal |
| M+3B | U+2557 | Forms Double Down and Left | M+4E | U+256C | Forms Double Vertical and Horizontal |
| M+3C | U+255D | Forms Double Up and Left | M+4F | U+2567 | Forms Up Single and Horizontal Double |
| M+3D | U+255C | Forms Double Up and Left Single | M+50 | U+2568 | Forms Up Double and Horizontal Single |
| M+3E | U+255B | Forms Up Single and Left Double | M+51 | U+2564 | Forms Down Single and Horizontal Double |
| M+3F | U+2510 | Forms Down and Left | M+52 | U+2565 | Forms Down Double and Horizontal Single |
| M+40 | U+2514 | Forms Up and Right | M+53 | U+2559 | Forms Up Double and Right Single |
| M+41 | U+2534 | Forms Up and Horizontal | M+54 | U+2558 | Forms Up Single and Right Double |
| M+42 | U+252C | Forms Down and Horizontal | M+55 | U+2552 | Forms Down Single and Right Double |

| Tally | Unicode | Description | Tally | Unicode | Description |
|--------------|----------------|---|--------------|----------------|---|
| M+56 | U+2553 | Forms Down Double and Right Single | M+58 | U+256A | Forms Vertical Single and Horizontal Double |
| M+57 | U+256B | Forms Vertical Double and Horizontal Single | M+59 | U+2518 | Forms Up and Left |

Katakana Characters

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|---------------------------------|-------|---------|--------------|
| K+25 | U+300C | Katakana Opening Corner Bracket | K+41 | U+30C1 | Katakana Chi |
| K+26 | U+30F2 | Katakana Wo | K+42 | U+30C4 | Katakana Tsu |
| K+27 | U+30D5 | Katakana Hu | K+43 | U+30C6 | Katakana Te |
| K+28 | U+30A3 | Katakana Small I | K+44 | U+30C8 | Katakana To |
| K+29 | U+30A5 | Katakana Small U | K+45 | U+30CA | Katakana Na |
| K+2A | U+30A7 | Katakana Small E | K+46 | U+30CB | Katakana Ni |
| K+2B | U+30A9 | Katakana Small O | K+47 | U+30CC | Katakana Nu |
| K+2C | U+30E3 | Katakana Small Ya | K+48 | U+30CD | Katakana Ne |
| K+2D | U+30E5 | Katakana Small Yu | K+49 | U+30CE | Katakana No |
| K+2E | U+30E7 | Katakana Small Yo | K+4A | U+30CF | Katakana Ha |
| K+2F | U+30C3 | Katakana Small Tsu | K+4B | U+30D2 | Katakana Hi |
| K+30 | U+300D | Katakana Closing Corner Bracket | K+4C | U+30D5 | Katakana Fu |
| K+31 | U+30A2 | Katakana A | K+4D | U+30D8 | Katakana He |
| K+32 | U+30A4 | Katakana I | K+4E | U+30DB | Katakana Ho |
| K+33 | U+30A6 | Katakana U | K+4F | U+30DE | Katakana Ma |
| K+34 | U+30A8 | Katakana E | K+50 | U+30DF | Katakana Mi |
| K+35 | U+30AA | Katakana O | K+51 | U+30E0 | Katakana Mu |
| K+36 | U+30AB | Katakana Ka | K+52 | U+30E1 | Katakana Me |
| K+37 | U+30AD | Katakana Ki | K+53 | U+30E2 | Katakana Mo |
| K+38 | U+30AF | Katakana Ku | K+54 | U+30E4 | Katakana Ya |
| K+39 | U+30B1 | Katakana Ke | K+55 | U+30E6 | Katakana Yu |
| K+3A | U+30B3 | Katakana Ko | K+56 | U+30E8 | Katakana Yo |
| K+3B | U+30B5 | Katakana Sa | K+57 | U+30E9 | Katakana Ra |
| K+3C | U+30B7 | Katakana Shi | K+58 | U+30EA | Katakana Ri |
| K+3D | U+30B9 | Katakana Su | K+59 | U+30EB | Katakana Ru |
| K+3E | U+30BB | Katakana Se | K+5A | U+30EC | Katakana Re |
| K+3F | U+30BD | Katakana So | K+5B | U+30ED | Katakana Ro |
| K+40 | U+30BF | Katakana Ta | K+5C | U+30EF | Katakana Wa |

| Tally | Unicode | Description | Tally | Unicode | Description |
|-------|---------|-------------|-------|---------|------------------------|
| K+5D | U+30F3 | Katakana N | K+5E | U+3002 | Katakana/CJK Full Stop |

A

Customer Support

TallyGenicom Customer Support Center

IMPORTANT Please have the following information available prior to calling the TallyGenicom Customer Support Center:

- Model number
- Serial number (located on the back of the printer)
- Installed options (i.e., interface and host type if applicable to the problem)
- Configuration printout. Go to the Help Menu on the control panel menu, then press the MENU/ENTER key to print a configuration report.
- Is the problem with a new install or an existing printer?
- Description of the problem (be specific)
- Good and bad samples that clearly show the problem (faxing of these samples may be required)

Americas (714) 368-2686

Europe, Middle East, and Africa (31) 24 6489 311

Asia Pacific (65) 6548 4114

China (86) 800-999-6836

<http://www.tallygenicom.com/service/default.aspx>

TallyGenicom Supplies Department

Contact the TallyGenicom Supplies Department for genuine TallyGenicom supplies.

Americas (800) 733-1900

Europe, Middle East, and Africa 33 (0) 1 46 25 19 07

Asia Pacific (65) 6548 4116
or (65) 6548 4182

China (86) 400-886-5598

<http://www.tallygenicom.com/supplies/default.aspx>

Corporate Offices

Printronic, Inc.
14600 Myford Road
P.O. Box 19559
Irvine, CA 92623-9559
Phone: (714) 368-2300
Fax: (714) 368-2600

Printronic, Inc.
Nederland BV
P.O. Box 163, Nieuweweg 283
NL-6600 Ad Wijchen
The Netherlands
Phone: (31) 24 6489489
Fax: (31) 24 6489499

Printronic Schweiz GmbH
42 Changi South Street 1
Changi South Industrial Estate
Singapore 486763
Phone: (65) 6542 0110
Fax: (65) 6546 1588

Printronic Commercial (Shanghai) Co. Ltd
22F, Eton Building East
No.555, Pudong Av.
Shanghai City, 200120, P R China
Phone: (86) 400 886 5598
Fax: (86-21) 5138 0564

Visit the web site at www.tallygenicom.com

Index

A

ASCII Characters, 39

C

Character Attributes, 12
Character Definitions, 35
 ASCII characters, 39
 Cyrillic characters, 45
 DEC VT100 characters, 49
 Greek characters, 47
 IBM0 characters, 37
 IBM1 characters, 37
 IBM2 characters, 51
 Katakana characters, 53
 Latin 1 characters, 41
 Latin 2 characters, 43
 Line Draw characters, 51
 Technical characters, 49
Character Height, 10
 height vs. LPI, 10
Character Set Escape Sequences, 15
Character Sets, standard, 21
Character Width, 11
 width vs. CPI, 12
Characters
 Epson Control, 33
 Proprinter, 33
Customer Support Center, 55
Cyrillic Characters, 45

D

DEC VT100 Characters, 49
Definitions, character, 35

E

Epson Control Characters, 33

F

Font Metrics, 7
 character attributes, 12
 character height, 10
 character width, 11
 font styles, 7
 notes, 12
Font Styles, 7

G

Greek Characters, 47

H

Height vs. LPI, Character Height, 10

I

IBM0 Characters, 37
IBM1 Characters, 37
IBM2 Characters, 51

K

Katakana Characters, 53

L

Language Sequences, 15
Language Substitutions, 13
Latin 1 Characters, 41
Latin 2 Characters, 43
Line Draw Characters, 51

N

Notes, 12



P

Proprinter Characters, 33

S

Sequences

character set escape, 15

language, 15

Standard Character Sets, 21

ANSI OCR-A, 31

ANSI OCR-B, 31

DIN OCR-A, 32

DIN OCR-B, 32

Katakana, 30

Line Draw, 30

Supplies Department, 55

T

Technical Characters, 49

W

Width vs. CPI, character width, 12



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