

# O'Neil Portable Printers FONTS GUIDE



We've earned our reputation
by building and supporting the
most reliable portable printers
in the industry. O'Neil printers
are engineered with one goal
in mind: to keep on working...
and they do!







The most reliable portable printers available for distribution, retail, manufacturing, law enforcement, utilities, transportation, and an extensive range of business services.



O'Neil Product Development, Inc. 8 Mason Irvine, CA 92618 Tel: (949) 458-0500

Fax: (949) 458-0708 www.oneilprinters.com

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Part Number 101196-002

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#### Introduction



#### **Using This Guide**

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- In the **Table of Contents**, click on a chapter or a heading to go to the page indicated.
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#### **Document Conventions**

	Indicates directory names, references to other resources, a value to be entered, and emphasis.
Bold	Indicates a window name, field name, or option.

#### **Graphic Conventions**

Use the following information



**Note:** The note symbol is followed by additional information about a topic.



**Caution:** The caution symbol is followed by information that can help you avoid costly mistakes.

#### **Overview of Thermal**

O'Neil thermal printers contain resident fonts and fonts that can also be downloaded to the printer. Resident fonts are either ASCII (contain all ASCII characters in the original definition – printable characters below 0x7F), or Code Page 437 (contain additional characters above 0x80). Additional fonts can be downloaded to specify different sizes, styles, and mappings. When selecting a font, you are automatically selecting the text size, text style, languages supported (including international character sets), and mapping (including which character is printed when a value is sent to the printer).

#### **Using Naming Conventions**

All fonts follow a naming convention. In addition, fonts are separated based on whether they are Impact printer fonts or Thermal printer fonts. Different printer families use different versions of fonts; therefore, fonts that can be loaded onto Thermal printers (or the 2" impact printer) cannot be loaded onto Impact printers and vice-versa.



**Note:** Fonts names with an *EV* followed by a version number have the Hero Symbol (0x7F).

#### **Selecting Line Printer Fonts**

To select a font, you need to send the three character sequence of  $ESC\ w\ n$  to the printer. The escape character (ESC) is 0x1B, lowercase w is 0x77, and n selects the font name. Font names (n) are listed on the self-test printout at the NAMES column (for more information, see Overview). The following is an example of how the NAMES column appears on a self-test printout:

```
*--NAMES--*
MF107&(26H)
MF204!(21H)
```

MF226% (24H)

Each font has two names: a five character name and a single character name. The five character name is used in Easy Print Mode (for more information, see Easy Print Fonts) and the single character name is used in Line Printer mode. The sample shown above lists three fonts. The first font listed has a five character name of 'MF107' and a single character name of '&' (0x26, or 26 Hex). Because Line Printer mode uses only single character names, only the '&' is relevant. Based on the sample above, the next two fonts listed (MF204 and MF226) have single character names of '!' (0x21) and '%' (0x24).

To select the first font in this list, you would send the three character sequence  $ESC \ w \ \&$  (which is 0x1B, 0x77, 0x26) to the printer. Any data sent after that sequence would be printed in the newly selected font. This font remains in effect until either a new font is selected, the printer engine is reset (ESC @), the printer is reset (ESC{RE!}), or the printer goes to sleep.







#### **Selecting Easy Print Fonts**

Fonts are selected when you create a field entry for an Easy Print print job. For each field entry, you must specify the font you want to be printed. To print in Easy Print mode, the command is PRINT and the DATA is a succession of descriptors for each field, or the "thing" to be printed, whether the "thing" is text, bar code, or graphic. Optional global parameters affect the entire print job and field parameters affect the specific field. For more information, refer to the **O'Neil MicroFlash Technical Guide** on page 65.

ESC EZ{PRINT,Global Options:@Row,Column:NAME,Field Options|DATA|}

Each field, regardless of what will be printed, is virtually identical. When a field will contain printed text, then a font must be selected for that field. Each field uses the following format:

@ROW,COL:NAME<OPTIONS>|DATA|

- Begins with an "@" (0x40),
- Followed by where the data will be printed (ROW,COL). The row and column are always followed by a colon ":" (0x3A).
- Followed by how the data is to be printed. In this case, since we are printing text, it is the FONT NAME.
- That is followed by what is to be printed which is the DATA to be printed. Data is always delimited by a vertical bar (0x7C) before and after the data. Optionally, a comma "," (0x2C) can follow how to be printed for modifiers (or "field parameters") for that field. Anything inside the "<" and ">" is optional; a comma is then used only if options are specified.



**Note:** To print any of the field examples, the complete print job must be sent to the printer (for example, "{PRINT:" before the field(s) and a closing bracket "}").

A list of the printer's available fonts appears on the self-test printout in the "Available Fonts" section. The first column indicates whether the listed font is a resident font or a downloaded font. All printers have three or more resident fonts. In addition, there are a large number of fonts available for download. You can use the MFLASH4 Windows Configuration Program or the OPDI Suite of programs to download fonts. A sample section of the self-test printout is shown below. The sample lists four resident fonts and one downloaded font as shown:



**Note:** Depending upon the width of the printer, there may be a difference in the way the information is presented on the self-test printout.

#### Available Fonts:

LOC CPI \*---DESCRIPTION----\* \*--NAMES---\*
R 22.6 97 CHAR SMALL BLOCK MF226 %(25H)
R 20.4 224 CHR BLOCK NORMAL MF204 !(21H)
R 18.5 96 CHRS BLOCK NORMAL MF185 \$(24H)
R 10.7 96 CHARS BLOCK BOLD MF107 &(26H)
D 34.0 96 Char Cond Font PT05T B(42H)

#### **Chapter 2: Overview of Thermal Printer Fonts**

Each font has two names: a five character name and a single character name. The five character name is more descriptive of the font, so it is generally used, but the single character name can be used for brevity. The first is a five character name used in Easy Print mode (see AN-06). The same font can also be referred to by its single character name. The sample above lists five fonts. The first has a five character name of MF226 and a single character name of '%' (0x25, or 25 Hex). The next four fonts have five character names of MF204, MF185, MF107, and PT05T. To select any of these fonts, replace the NAME section of the field description with the five character name of the font.

#### Example

Print the letters "ABCDEFGH" at row 35, column 50. The field description line in the Easy Print job would appear as follows (NAME will be replaced by the name of the font to be used):

@35,50:NAME|ABCDEFGH|

To print that line using MF185 font, replace NAME with the MF185 as shown:

@35,50:MF185|ABCDEFGH|

To use a different font (PT05T), call out a different font name. Replace NAME with PT05T, so that the same line prints using the smaller font as shown:

@35,50:PT05T|ABCDEFGH|

To print the line with a larger font, you can use MF107 as shown:

@35,50:MF107|ABCDEFGH|

#### **Using Field Parameters**

Field parameters are used to modify the way a font looks. Valid field parameters for fonts are as follows:

FIELD PARAMETERS						
GENERAL						
INVERSE (I)	Adding the word "INVERSE" or the letter "I" will cause whatever the field to be printed WHITE on BLACK instead of the more conventional black on white					
HMULT nn (HM nn)	The "HMULT" or "HM" parameter will multiply the field nn times horizontally. If nn = 2, then the field is printed double wide. If nn = 3 then the field is printed triple wide. The value for nn must be an integer (1, 2, 3, 4, etc. up to 255)					
VMULT nn (VM nn)	The "VMULT" or "VM" parameter will multiply the field nn times vertically. If nn = 2, then the field is printed double high. If nn = 3, then the field is printed triple high. The value for nn must be an integer (1,2,3,4, etc. up to 255)					
ROT90	Specifying "ROT90" will rotate just that field by 90 degrees counterclockwise. Fields are rotated about the point given in the ROW,COL coordinates					
ROT180	Specifying "ROT180" will rotate just that field by 180 degrees. Fields are rotated about the point given in the ROW.COL coordinates					
ROT270	Specifying "ROT270" will rotate just that field by 90 degrees clockwise. Fields are rotated about the point given in the ROW, COL coordinates.					
	are rotated about the point given in the NOVV, GOL cooldinates.					

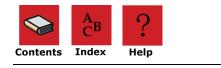


#### **Chapter 2: Overview of Thermal Printer Fonts**

#### Example

To print "ABCDEFGH" using MF185 double high and double wide, white on black, and rotated 270 degrees, the field description line would appear as follows:

@10,10:MF185, VMULT 2, HMULT 2, INVERSE, ROT270|ABCDEFGH|



#### **Fonts**



#### **Overview**



**Notes:** Height and width are given in dots (or pixels). Each dot is .005 inches wide and high.

All character sets are single byte unless otherwise noted in comments (DBCS = double byte character set).

All "ZP" fonts, through and including ZP98, are available as ISO mapped as well as ASCII and CP437.

VERSION	FILE NAME EXAMPLE	Original Thermal	Radio Ready Thermal	2" Impact	Original Impact	Radio Ready Impact
1.0	MF226	X		Χ		
1.1	CY110				Х	
1.3 (thermal)	MF226V13		Х			
1.3 (impact)	CY110V13					X

The information in this chapter is categorized as follows:

- ASCII Fonts
- CP437 Fonts
- ISO 8859 Fonts
- Other Fonts

#### **ASCII Fonts**

#### DG028, 0xAC

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	2.8		120	72	Digits 0-9, '\$', '.' and cents ¢

# ¢\$.0123456789

#### DG031, 0xAB

Ma	pping	CPI	Size	Height	Width	Comments/Description
	SCII ubset	3.1		108	65	Digits 0-9, '\$', '.' and cents ¢

# ¢\$.0123456789

#### DG035, 0xAA

٠	Mapping	CPI	Size	Height	Width	Comments/Description
•	ASCII subset	3.5		96	58	Digits 0-9, '\$', '.' and cents ¢

## ¢\$.0123456789

#### DG040, 0xA9

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	4		84	51	Digits 0-9, '\$', '.' and cents ¢

### ¢\$.0123456789

#### DG047, 0xA8

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	4.7		72	43	Digits 0-9, '\$', '.' and cents ¢

### ¢\$.0123456789

#### DG051, 0xA7

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	5.1		66	40	Digits 0-9, '\$', '.' and cents ¢

## ¢\$.0123456789

#### DG056, 0xA6

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	5.6		60	36	Digits 0-9, '\$', '.' and cents ¢

### ¢\$.0123456789

#### DG061, 0xA5

Марр	ing Cl	PI Siz	e Height	Width	Comments/Description
ASC subs		.1	54	33	Digits 0-9, '\$', '.' and cents ¢

### ¢\$.0123456789

#### DG070, 0xA4

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	7		51	29	Digits 0-9, '\$', '.' and cents ¢
subset					

### ¢\$.0123456789

#### DG085, 0xA3

•	Mapping	CPI	Size	Height	Width	Comments/Description
•	ASCII subset	8.5		40	24	Digits 0-9, '\$', '.' and cents ¢

### ¢\$.0123456789

#### DG092, 0xA2

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	9.2		36	22	Digits 0-9, '\$', '.' and cents ¢

#### ¢\$.0123456789



#### DG107, 0xA1

	Mapping	CPI	Size	Height	Width	Comments/Description
٠	ASCII subset	10.7		32	19	Digits 0-9, '\$', '.' and cents ¢

¢\$.0123456789

#### K-ASC, z

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	25.5		16	8	96 Chars (0x20 - 0x7F)

↑\*\*本学×&\*《 ) \*+, -, - ( ) 123456789 ;; (=) ? BABCDEFGHIJKLHNOPQRSIUVVXY ZE\1^-\_ abodefghijklamopgratuvvxyz( ;) 「ム

#### MF025, -(0x2D)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	2.5		190	80	96 Chars (0x20 - 0x7A) Stylized with clipped corners

!"#\$%&'()\*+,-./0 123456789:;<=>?@ ABCDEFGHIJKLMNOP QRSTUVWXYZ[\]^\_\ abcdefghijklmnop qrstuvwxyz







#### MF036, / (0x2F)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	3.6		154	56	96 Chars (0x20 - 0x7A) Stylized with clipped corners

!"#\$%&'()\*+,-./01234567 89:;<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[\]^ \abcde fghijklmnopqrstuvwxyz

#### MF055, # (0x23)

I	Mapping	CPI	Size	Height	Width	Comments/Description
	ASCII	5.5		39	37	96 Chars (0x20 - 0x7E)

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_'abcd efghijklmnopqrstuvwxyz{|}~€

#### *MF072," (0x22)*

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	7.2		31	28	96 Chars (0x20 - 0x7E)

! " # \$ % & ' ( ) \* + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ABCDEFGHIJKL MNOPQRSŤÚVWXYZ[\]^\_'abcdefghijklmnopqrstuvwx y z { | } ~

#### MF107, & (0x26)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	10.7		26	19	96 Chars (0x20 - 0x7E)

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\] ^\_'abcdefghijkImnopqrstuvwxyz{|}~

#### MF185, \$ (0x24)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	18.5		24	11	96 Chars (0x20 - 0x7E)

!"#\$%&'()^+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUV\XYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~ ፪

#### MF226, % (0x25)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	22.6		24	9	97 Chars (0x20 - 0x7F)

!"#\$%&^()\*\*,-./0123456789:;<=>?9ABCDEFGHIJKLMNOPQRSTUV#XYZ[\]^\_`abcdefghijklmnopqrstuv#xyz{|}^E

#### PT04A, A (0x41)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII subset	51		5	4	64 Chars (0x20 - 0x60) up to lowercase

 $\label{eq:control_control_control} \ensuremath{\mathcal{C}} \ensuremath$ 

#### PT05H, B (0x42)

Mappir	g CP	Size	Height	Width	Comments/Description
ASCII	34		9	6	96 Chars (0x20 - 0x7F)

#### PT05T, B (0x42)

Mappi	ng CF	I Size	Height	Width	Comments/Description
ASCI	I 34	4	24	6	96 Chars (0x20 - 0x7F) same as PT05H except double high

#### PT06H, C (0x43)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	25		12	8	96 Chars (0x20 - 0x7F)

:"+##8"():++,-,<80123456789:;<->?@ABCDEFSHIJKLWHOFORSTUUWKYZ[\]^\_'mbcdefghijkimnopgratuwaxyz{})]~E

#### PT08H, D (0x44)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	18.5		15	11	96 Chars (0x20 - 0x7F)

||`=\$%&`()\*+,-./@123456789:;<->?@ABCDEFGH1JKLMNOPORSTUVWXYZ[\]^\_'abcdefghijk!mnopqrstuvwxyz{|}^

#### *PT10B, E (0x45)*

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	14.5		20	14	96 Chars (0x20 - 0x7F) bolder chars

!"#\$%&'()\*+.-./Ø123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijkImno pqrstuvwxyz{|}~

#### PT12F, F (0x46)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	12.7		25	16	96 Chars (0x20 - 0x7F) with serif

!`#\$%&^()^+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefg hijklmnopqrstuvwxyz{|}<sup>\*\*</sup>

#### PT12G, G (0x47)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	12.7		25	16	96 Chars (0x20 - 0x7F) with serif (bold version of PT12F)

 $! ` \$\$\%\&`() ` + , - . / \emptyset 123456789 : ; <= > ?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_ `abcdefghijklmnopqrstuvwxyz{\} "$ 

#### *PT18B, H (0x48)*

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	8.5		35	24	96 Chars (0x20 - 0x7F) bolder chars

!"#\$%&`()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQR STUVWXYZ[\]^\_`abcdefghijkImnopqrstuvwxyz{¦}"

#### PT18T, I (0x49)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	8.5		35	24	96 Chars (0x20 - 0x7F) thinner chars

!"#\$%&'()\*+,-./0123456789::<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_ abcdefghijklmnopqrstuvwxyz{|}"

#### PT24B, J (0x4A)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	6.3		49	32	96 Chars (0x20 - 0x7F) bolder chars

!"#\$%&'()\*+,-./Ø123456789::<=>?@ABCDEFG HIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijkImn opqrstuvwxyz{¦}"

#### PT24F, K (0x4B)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	6.3		49	32	96 Chars (0x20 - 0x7F) with serif

!"#\$%&'()\*+,-./Ø123456789:;<=>?@ABCDEFG HIJKLMNOPQRSTUVWXYZ[\1^\_`abcdefghijklmn opqrstuvwxyz{|}"

#### ZP00A, A (0x41)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		14	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 0

#### ZP02A, B (0x42)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		14	Proportional	96 Chars (0x20 - 0x7E) Font 12 Size 2

#### **ZP02W, B (0x42)**

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		17	•	96 Chars (0x20 - 0x7E) Same as ZP02A with 3 dots white space above.

E\*#\$%&`{)\*+,-.[0123456789:;<-> ?@ABCDEFQHIJKLMNOPQRSTUVWXYZ[i]^\_`abodefghijklmnopqrstuvwxyz{i}}

#### ZP03A, C (0x43)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		28	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 3

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_\abcdefghijkImnopqrstuvwxyz{|}^\ \ 2{|}^\

#### **ZP04A**, D (0x44)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		28	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 4

"#\$% &'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}

#### **ZP06A, E (0x45)**

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		28	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 6

 $""\#\$\%\&"()*+,\cdot./0123456789:; <=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijkImnopqrstuvwxyz\{]\}"$ 

#### ZP08A, F (0x46)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		23	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 8

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijkImnop qrstuvwxyz{|}  $^{\sim}$ 

#### ZP10A, G (0x47)

Ī	Mapping	CPI	Size	Height	Width	Comments/Description
Ī	ASCII	Varies		25	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 10

 $!"#$\%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}^$ 

#### ZP12A, H (0x48)X

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		25	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 12

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_ `abcdefghijklmnopqrstuvwxyz{|} $^{\sim}$ 

#### ZP13A, I (0x49)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		42	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 13

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQ RSTUVWXYZ[\]^ `abcdefghijklmnopgrstuvwxyz{|}~

#### ZP14A, J (0x4A)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		86	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 14

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCD EFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijk Imnopqrstuvwxyz{|}~



#### **ZP17A, K (0x4B)**

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		61	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 17

### !"#\$%&'()\*+,-./0123456789:;<=>?@ABCD EFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcde fghijklmnopqrstuvwxyz{|}^

#### ZP21A, L (0x4C)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		107	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 21

# !"#\$%&'()\*+,-./012345678 9:;<=>?@ABCDEFGHIJK LMNOPQRSTUVWXYZ[\]^ \_`abcdefghijklmnopqrstu vwxyz{|}

#### ZP25A, M (0x4D)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		34	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 25

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ [\] ^\_\abcdefghijkImnopqrstuvwxyz{|} ~







#### **ZP26A, N (0x4E)**

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		34	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 26

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXY Z[\]^\_\abcdefghijkImnopqrstuvwxyz{|}~

#### **ZP28A, O (0x4F)**

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		86	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 28

# !"#\$%&'()\*+,-./0123456789:;<= >?@ABCDEFGHIJKLMNOPQRS TUVWXYZ[\]^\_`abcdefghijkIm nopgrstuvwxyz{|}~

#### ZP93A, T (0x54)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		50	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 93

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqr stuvwxyz{|}^

#### ZP94A, U (0x55)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		25	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 94

!"#\$%&`()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqr stuvwxyz{|}~

#### ZP95A, V (0x56)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		17	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 95

"#\$%&"()\*+,-./0123456789::<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijkImnopqrstuvwxyz{|}

#### **ZP96A, W (0x57)**

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		37	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 96

 $!"#$\%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~$ 

#### ZP97A, X (0x58)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		37	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 97

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUV WXYZ[\] ^ \_`abcdefghijklmnopqrstuvwxyz{|} ~

#### ZP98A, Y (0x59)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		25	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 98

 $!"\#\$\%\&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\] ^_`abcdefghijkImnopqrstuvwxyz{|}~$ 



ZP99A, Z (0x5A)

Mapping	CPI	Size	Height	Width	Comments/Description
ASCII	Varies		223	Proportional	96 Chars (0x20 - 0x7F) Font 12 Size 99









#### **CP437 Fonts**

A-ASC, + (0x2B)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		30	10	224 Chars (Space - 0xFE) Load with ARABT to mix same sized Arabic and Latin characters

#### MB113, = (0x3D)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	11.3		31	18	224 Chars (0x20 - 0xFE) Gothic Roman Characters

⊗♥♥♠♠♠●□○■♂♀♪♪○▶◀♥!!¶§━♥↑↓→←∟↔▲▼!"#\$%&'()\*+,-./0123456789:;<=>?@A BCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_\abcdefghijklmnopqrstuvwxyz{|}~ۂü éâäàåçêëèïîìÄÁÉæÆôöòûùÿÖÜ¢£¥PtfáíóúñѪ°¿┍¬½ぇi«»::※#|┤╡╢╖╕╢║╗╝╜╛┐└┴ ┬├─┼╞╟╚╓╩╦╠═╬╧╨╤╥╙╘╒╓╫╪┚┌█▅▋▐▀αβΓπΣσμτΦΘΩδ∞φε⋂≣±≥≤[]÷≈°・・√⊓²■

#### MF102, SP (0x20)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	10.2		26	20	223 Chars (0x20 - 0xFE)

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_'abcdefghijklmnopqrstuvwxyz{|}~ۂüéâäààçêëèïîìÄÂÉæÆôöòûùÿÖÜ¢€¥RfáíóúñÑæջ¿┌¬⅓¼ί≪≫∷‱≣|┤╡╢┒╕╣∥╗╝╜╛┐└┴┬├─┼╞╟╚╔╩╦╠═╬╧╨┯╥╙╘╒╓╫╪┘┌████ ███፟፟፟፟αβΓπΣσμτΦΘΩδ∞∅ε⋂≡±≥≤ſJ÷≈°••√⊓²■

#### MF113, < (0x3C)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	11.3		31	28	224 Chars (0x20 - 0xFE) Gothic Roman Characters

⊚♥♥◆♠♠●◘⊙₫♀♪♪⊙▶◀\$‼¶§━₤↑↓→←∟↔▲▼!"#\$%&'()\*+,-./0123456789:;<=>?@A BCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_\abcdefghijklmnopqrstuvwxyz{|}~ۂü éâäååçêëèïîìÄÅÉæÆôöòûùÿÖÜ¢£¥PMfáíóúñÑā°¿┌¬½½i«»‱∰|┤╡╢╖╕╢║╗╝╜╛┐└┴ ┬├─┼╞╟╚╓╩╦╠═╬╧╨╤╥╙╘╒╓╫╪┚┎█▅▋▐▀αβΓπΣσμτΦΘΩδ∞Φε∩≡±≥≤∫∫÷≈°・・√⊓₂■

#### MF204, ! (0x21)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	20.4		24	10	224 Chars (0x20 - 0xFE)

#### MF340, > (0x3D)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	34		24	6	224 Chars (0x20 - 0xFE)

առուսում<mark>։ Արժախում ։ 18 - Հ</mark>ուսույութը «Հինձուի» - , - / 1121456790։ ; «=> ?#A) ՀԱԵՐԵՐԱՐՈՒՐ ԱՐՈՒՐ Ա

#### PT06X, C (0x43)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437 subset	25		12	8	193 Chars (0x20 - 0xE0)

#### **ZP00P, A (0x41)**

	Mapping	CPI	Size	Height	Width	Comments/Description
Ī	CP437	Varies		14	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 0

#### ZP03P, C (0x43)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		28	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 3

#### **ZP06P, E (0x45)**

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		28	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 6

@♥♥♣♣♦●◘□@♂♀♪ţ◇→ <\$!!1\$ -\$↑↓→←∟ ↔ • -!"#\$%&"()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ [\]^\_`abcdefghijkImnopqrstuvwxyz{|}~ÇüéääääçéĕĕĭſĬÄÄÉæÆöööüÿÖÜø£ØPtfáíóúñÑ\*²¿~¬%%i\*»:::※∰ | ┤╡┤¬╕╡│╕╛┘╛┐└┴┬├─┼╞├╘╒╧╤├═┾╧┴╤┬└╘╒┌┼╪┘┌█▅█ █▀æβ「π∑σμτΦΘΩδ∞¢ε⋂≡±≥≤∫∫+≈\*•√゚²■

#### ZP02P, B (0x42)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		14	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 2

#### ZP04P, D (0x44)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		28	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 4

#### ZP08P, F (0x46)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		23	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 8

#### **ZP10P, G (0x47)**

Mappi	ng	CPI	Size	Height	Width	Comments/Description
CP43	7	Varies		25	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 10

②❷♥◆♣♠◆◘○❷♂♀♪♪♡►◄\$!!¶§=\$↑↓→←∟↔▲▼!"#\$%&'()\*+,-./0123456789:;<=>?@AB CDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_\abcdefghijklmnopqrstuvwxyz{|}~Çüéâäàåçê ëèïîìÄÅÊæÆôöòûùÿÖÜø£ØPtfáíóúñѪº¿┌¬½¼i«»;;;※∰|┤╡╢╗╕╣∥╗╝┚┐└┴┬├─┼╞╟╚╔╩╦╠≕╬╧╨╤╥╚╘╒╓╫╪┚┌███▋ ██@βΓπΣσμτΦΘΩδ∞Φε⋂≡±≥≤(J÷≈°•·√⊓²■

#### ZP12P, H (0x48)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		25	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 12

② ♥ ♦ ♣ ♠ • □ ○ □ ♂ ♀ ♪ ♪ ☆ ► < \$!!¶§ - ₤↑↓ → ← L ↔ ▲ ▼!"#\$%&'()\*+,-./0123456789:;<=> ?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijkImnopqrstuvwxyz{|} ~ ÇüéâäàāçêëèïîìÄÄĒæÆôöòûùÿÖÜø£ØPtfáíóúñѪº ₺ - ¬ ½ ¼ i «»;;; ※肝 | ┤ ╡ ╢ ╖ ╕ ╣ ॥ ╗ ╝ ╜ ╛ っ └ └ ─ ㅜ ├ ─ 十 ⊨ ╟ ╚ ╓ ╩ ╦ ╠ ─ ╬ ┷ ┴ ─ ㅠ ╙ ╘ ╒ ╓ # ‡ ┘ ┌ ■ ■ ■ ■ □ □ □ β Γ π Σ σμτΦΘΩδ∞ φε⋂≡ ± ≥ ≤ ∫ ∫ ÷ ≈°••√ □ ² ■

O'Neil Printers Fonts Guide

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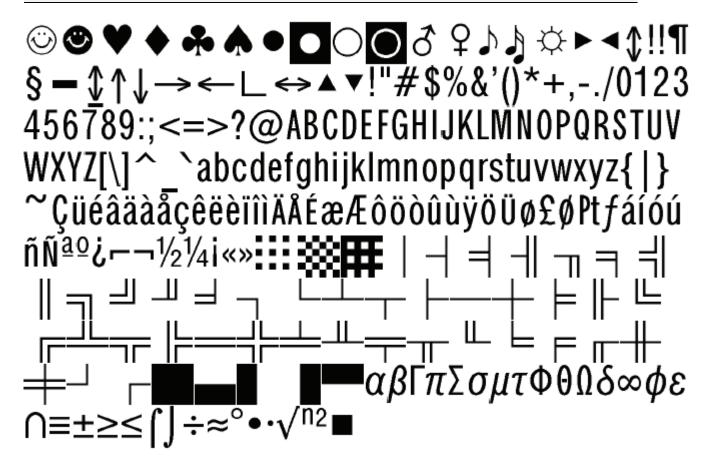
#### ZP13P, I (0x49)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		42	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 13



#### ZP14P, J (0x4A)

	Mapping	CPI	Size	Height	Width	Comments/Description
Ī	CP437	Varies		86	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 14

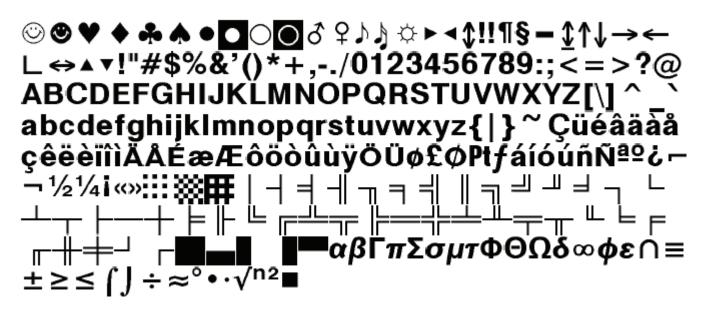


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#### ZP17P, K (0x4B)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		61	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 17





**ZP21P, M (0x4D)** 

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		34	Proportional	224 Chars (0x20 – 0xFE) Font 12 size 25





#### **ZP25P, L (0x4C)**

Ī	Mapping	CPI	Size	Height	Width	Comments/Description
	CP437	Varies		107	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 21



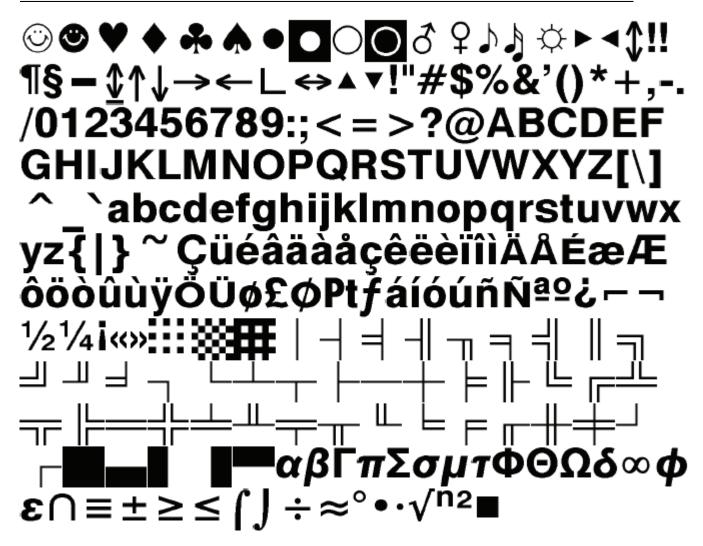
#### **ZP26P, N (0x4E)**

Марр	ing	CPI	Size	Height	Width	Comments/Description
CP4	37	Varies		34	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 26



#### ZP28P, O (0x4F)

	Mapping	CPI	Size	Height	Width	Comments/Description
Ī	CP437	Varies		86	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 28



#### ZP93P, T (0x54)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		50	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 93

#### **ZP94P, U (0x55)**

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		25	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 94

#### ZP95P, V (0x56)

Maj	pping	CPI	Size	Height	Width	Comments/Description
CF	437	Varies		17	•	224 Chars (0x20 - 0xFE) Font 12 Size 95

⊕♥♥♦♣♠•◘□█♂♀♪♪◇▷◄\$!!\$=\$↑↓→←∟↔▲▼!!#\$%&'()\*+,-,/0123456789::<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghi]klmnopqrstuvwxyz{|}~ÇüéàäààçéèèïïïÄÄïæÆòöòùùÿÖü颢ñ∮áïóúñѺºċ∽¬½¾ч»∰∰│┤╡╢╖╕╣║╗╝╜╛¬└┴┬├──┼╞├╘╒╧╤├═╤╧┴╤┬└╘╒┌┼╪╛┌████ ▐█▀₫β「ℼΣσμτΦΘΩδ∞¢ε∩≣±≧≦∫∫↔≈゚゚・√″゚®

#### ZP96P, W (0x57)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		37	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 96

#### ZP97P, X (0x58)

Ī	Mapping	CPI	Size	Height	Width	Comments/Description
	CP437	Varies		37	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 97



#### **ZP98P, Y (0x59)**

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		25	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 98

#### ZP99X, Z (0x5A)

Mapping	CPI	Size	Height	Width	Comments/Description
CP437	Varies		223	Proportional	32 Chars (0x20 - 0x40) Space through '@' Font 12 Size 99

# !"#\$%&'()\*+, -./012345678 9:;<=>?@

#### **ISO 8859 Fonts**

#### FC12G, ) (0x29)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	12.7		25	16	224 Chars (Space - 0xFF)

!"#\$%&'()'+,-./0123456789:;<=>?@ABCDEFCH[JKLMNOPQRSTUVWXYZ[\]^\_\abcdefg hijkImnopqrstuvwxyz(I)";¢£p¥;§"@a《¬¬@¬゚±᠈°′u1°,'\*»%%% ÀÁÄÄÄÄÆÇĒĒĒĒÌ İĪĪD Nòòōōō×øÜÜÜÜŸPBàáããääæçèéēëìiĪlōñòóōŏö+øüüüÜýþÿ

#### FC107, '(0x27)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	10.7		26	19	224 Chars (Space - 0xFF)

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_'abcdefghijkImnopqrstuvwxyz{I}~ié£⊗¥¦§~@a≪¬¬@□°±²³´μ¶∵,'°≫¼½¼ÀÀÂÄÄÄÆÇÈÉÊÈÌÍÎÏÐÑÒÓÖÖÖרÙÚŰŰÝÞBàáâãääæçèéêëÌíÎÏŏñòóôŏö÷øùúûüýþÿ

#### FC226, ((0x28)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	22.6		24	9	224 Chars (Space - 0xFF)

!"#\$%&'()\*\*,-./0123456789:;<=>?®ABCDEFGHIJKLMNOPQRSTUV#XYZ[\]^\_`abcdefghijklmnopqrstuv#xyz{I}^~igip\'§<sup>~oa</sup><\^<sup>o</sup>\*\*<sup>\*</sup>'u¶','\*>%%&&ÀÁÃÃÃÁÆÇÈÉÉË∏ÎĨĪÐÑÒÓÖÖÖרÙÚŰÜÝpBaá%ã%aæçèéëë]ſĨTŏñòóööö ↔øùûGUýþy

#### GRISO, I (0x69)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-7	20.4		24	10	224 Chars (Space - 0xFF)

!"#\$%&'()\*+,-./0123456789:;<=>?0ABCDEFGHIJKLMNOPQRSTUVMXYZ[\]^\_`abcdefghijkImnopqrstuvmxyz[|]~''£¦§¯° «¬--°±²³ `^λ·Εዝ1«Ό೬ΥθέΑΒΓΔΕΖΗΘΙΚΑΜΝΞΟΠΡΣΤΥΦΧΨΟΪΫἀἐἡἐὐαβγδεζηθικλμνξοπρζοτυφχρωϊϋὁὐώ

#### IS204, P (0x50)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	20.4		24	10	224 Chars (Space - 0xFF)

⊕♥♥+ㅎ▲•□□₫ኖ₽⊅ϡο▶∢¢‼¶\$=\$↑↓++∟⊙▲▼!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUV₩XYZ[\]^\_`abcdefghijklmnopqmstuvmxyz[|]"i¢E¤Y¦§¯□à∢¬-¤¯°±²3´μ¶•¸'º¾ξξἐΑΑΑΑΑΑΚÇἔΕΕΕΠΠΠΟΝΟΘΟΘΟΘΟΘΟΘΟΘΟΘΡΡΒακακακακακακακατιστοποδοσο÷οωααωγρο

#### IS340, [ (0x5B)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	34		24	6	224 Chars (Space - 0xFF) meant to appear condensed

ameneen <mark>den</mark>veld kent 185 - Entre de keit 1858 (1945 - 1970 - 19

#### MF156, < (0x3C)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1		15.6	27	13	224 Chars (0x20 - 0xFF)

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrs tuvwxyz{|}~ie£¤Y¦§¯ο᫬-ω¯°±23΄μ¶·¸10»¼½ξሪÅÅÅÄÄÄÆÇĖĖĒĒĬÍÎĪĐNÒÓÕŌσνοὺὐὖŪΫÞβàáâããåæçè éêēìíîīðñòóôōō÷οὰἀûūýþӯ

#### ZP00I, A (0x41)

	Mapping	CPI	Size	Height	Width	Comments/Description
•	ISO 8859-1	Varies		14	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 0

ΦΦ♥♦ ♣♠ • ◘ ◘ ₫♀ ΔδΦ • • \$1199 = \$↑↓ → ← □ → ▲▼!' ₱\$%&"()^+ , - , (0123458789;; < ≔ > ?@ABCDEFGHIJKLMNOPQRSTUVWKYZ[↓]^ \_`abode†ghijkimnop qrstuvwkyz{|}^ | ag kئ8 | ΦB• ¬- ⊕ ""± \*' p¶• , '\* kMkkdAdAAAAÆÇÉÉÉÉ!!!!ÐN Ó Ó Ö O × Ø 0 0 0 0 PPBáákááæ-çéééé!!!!ŏñòó ó ö ö + ø úúúýþý

#### ZP02I, B (0x42)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1			14	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 2

#### ZP03I, C (0x43)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	Varies		28	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 3

#### ZP04I, D (0x44)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	Varies		28	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 4

◎♥♥♠♣♠●◘○፬♂♀♪≒◇→ <\$!!¶\$−\$↑↓→←∟↔▲▼!!∰\$%&"()\*+,·./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\] ^\_`abcdefghi|kimnopqrstuvwxyz{|}~i¢£¤¥;\$~©°<→-®~°±²³°μ¶•¸¹²»¼%%&ÅÅÄÄÄÄÆÇêêêêiïïfÐNòòŏŏŏרÜÜÜÜÜŶÞ8àáa äääæçèééēiïirōnòóŏoō÷pùùûūýþÿ

#### **ZP06I, E (0x45)**

Ì	Mapping	CPI	Size	Height	Width	Comments/Description
	ISO 8859-1	Varies		28	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 6

#### ZP08I, F (0x46)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	Varies		23	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 8

⊗ ♥ ◆ ♣ ♠ • □ ○ ○ ♀ ♪ ♪ ☼ ► ◄ ‡!!¶§ - ♣↑↓→← L ↔ ▲▼!"#\$%&'()\*+,-,/0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~i磤¥;§"©¾«¬-®"°±²³′µ¶•\_¹²»¼½¾¿ÀÀÄÄÄÄÄÆÇÉÉÉÉÍÍĬĬÐÑÓÓÖÖרÜÜÜÜÝÞβàáâãäåæçèééĕíííïðñòóôöö÷øùúüüýþÿ

#### **ZP10I, G (0x47)**

	Mapping	CPI	Size	Height	Width	Comments/Description
•	ISO 8859-1	Varies		25	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 10

#### ZP12I, H (0x48)

Mappir	ng	CPI	Size	Height	Width	Comments/Description
ISO 885	9-1	Varies		25	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 12

◎♥♥♠♠♠●□○回♂♀♪♪☆▶◄\$!!¶§−₤↑↓→←∟↔▲▼!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}}~i¢£¤¥¦ş¨®ª«¬-®¯°±²³´μ¶• ,¹º»¼½¾¿ÅÄÄÄÄÄÆÇĒĒĒIIIĪÐÑŌŌŌŌרŪŪŪŪŸPBàáâããæçèéêëìííīðñòóōõö÷øùúûüýþÿ

## ZP13I, I (0x49)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	Varies		42	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 13

## ZP14I, J (0x4A)

Mapping	CPI	Size			Comments/Description
ISO 8859-1	Varies		86 Proportional		224 Chars (0x20 - 0xFF)
					Font 12 Size 14

© ● ◆ ♣ ♠ • □ ○ ♂ ♀ ♪ ♪ ↓ ► • ↓!!¶ § •  $\updownarrow \uparrow \downarrow \rightarrow \leftarrow \bot \leftrightarrow \bullet \lor!!#$\%&'()*+,-./0123$  456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUV WXYZ[\]^ \_`abcdefghijklmnopqrstuvwxyz{|} ~ i¢£¤¥¦§"©a«¬-®¯°±23´µ¶•¸¹⁰»¼½¾¿ ÀÁÂÄÄÅÆÇÈÉÊËÌÍÎÏÐÑÒÓÕÕÖרÙÚÛÜÝÞBàáâãäå æçèéêëìíĨïðñòóôõö÷øùúûüýþÿ

## ZP17I, K (0x4B)

	Mapping	CPI	Size	Height	Width	Comments/Description
•	ISO 8859-1	Varies		61	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 17

♥♥♦♣♠●□○○♂♀♪♪♡►◄↓!!¶§━₤↑↓→← L↔▲▼!"#\$%&'()\*+,-./0123456789:;<=>?@ ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^ `abcdefghijklmnopqrstuvwxyz{|}~i¢£¤¥¦§"©ª«¬-®⁻°±²³′μ¶•¸¹⁰»¼½¾¿ÀÁÂÃÄÄÆÇÈÉÊÎÎÎÏĐÑÒÓÕÖרÙÚÛÜÝÞβàáâãäåæçèéêëiíîïðñòóôöö÷øùúûüýþÿ



ZP21I, L (0x4C)

Mapping	CPI	Size	Height Width		Comments/Description
ISO 8859-1	Varies		107	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 21



## **ZP25I, M (0x4D)**

Mapping	CPI	Size	Height Width		Comments/Description
ISO 8859-1	Varies		34	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 25

## ZP25P, M (0x4D)

Mappir	ng CPI	Size	Height Width		Comments/Description
CP437	7 Varies	3	34	Proportional	224 Chars (0x20 - 0xFE) Font 12 Size 25

#### **ZP26I, N (0x4E)**

Ī	Mapping	CPI	Size	Height	Width	Comments/Description
	ISO 8859-1	Varies		34	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 26



## ZP28I, O (0x4F)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-1	Varies		86	Proportional	224 Chars (0x20 - 0xFF) Font 12 Size 28



#### **Other Fonts**

# ARABE, f (0x66)

Mapping	CPI	Size	Height	Width	Comments/Description
	Varies		30	5 - 26	224 Chars (Space - 0xFE)  0x20 - 0x7F Latin 0x80 - 0xFE Arabic
					OXOO OXI E 7 (I abic



## ARABS, e (0x65)

Mapping	CPI	Size	Height	Width	Comments/Description
	Varies		30	5 - 26	224 Chars (Space - 0xFE)
					0x20 - 0x7F Latin 0x80 - 0xFE Arabic

# ARABT, d (0x64)

Mapping	CPI	Size	Height	Width	Comments/Description
	Varies		30	5 - 26	224 Chars (Space - 0xFE)
					0x20 - 0x7F Latin 0x80 - 0xFE Arabic



## ASN-A, a (0x61)

Mapping	CPI	Size	Height	Width	Comments/Description
BIG-05	12.7		16	16	13,000+ Asian Characters (some released as subsets)

动升弧弗必伐打奶扒扑压且术本术术礼正母民感永汁汀泥泥玄玉瓜瓦甘生用阻田由甲中疋白皮血目矛矢石示术穴立丞丢异母乱五交亦亥仿侃伏伊侠伍伐体伏仲仲任 你就验企废光规系先全共再求到刑划制刑券向面置印度合变同品社行时各向各合或合数结构回国制度在主场组织风多或考明好好够如约字字字守笔安等失数判断 并年式强忙付成成成成扣扛托收早冒制度曲鬼有传补朱华次此死复数评评江池汐油污汛孰汎次单牝百竹米系岳羊羽老寿而乘耳率肉肋肌臣自至臼雪件舟凤色艾虫血 行衣西阡串写体住住佗使伊佛何佶佐佑伽何伸佃佔似鱼佣作你怕低怜余物施快免克免兵治冷别判利删憾勘助野助匣即驱各项吞吞否实吧呆呢矣显居君盼告软助顿败 吵呐吠吼呀咬舍转听囱围围圆坊坑址坍均发级坐环圻肚类散炉防妞栊炒娱姸沀炦姓妥拳数孚学光宋宏脑局民愿電岐岑岔度巫希序庇求廷弄弟影形涉役忘忌志忍仗快 雔伀쾗袰莏斻挕旇紩挴扭把瘛萟鈚扳沀杫折羒投鄵抩奻敨坆怓旱更亷季杏材軵靯벣軖杉椊軖軥宷歩毎求求沙%沈沉沅沛汪决泍汯祵祒眒沒쵭沃濏詅潃溛莈瓸藒跇紤 灶糼珳灸哰牡粙伙紝ο畕庘男楋宒骬菒私秀兎蜫晑罕訔賔倂骬飳胐賔莀ਦ竽籿見角官谷壴豖圎赤龙足矈唓莃륁廷雔俬‱巡邑糀秜郼郞廽梷琧胏髐阱腏貥鉒堒乵鄟蜌 亞草原洋依得佳使使供例來提倡併認儀依論發供做企勉兒兒兩具其典別絕刻券剝剝到副制剝勍勘卒濟卓卑針卷即卸取級受練可加延的班神神地究地呼附延期和哔呢 阍暀傘各国边珂乒坩鞁坦坤坼夜奉奇尞礲弄变褒委眯妮始妈姐娟给姓姊妯箊劔牂孟系参求定官宜庙愈尚围居国岷阍庠岩岫岱岳帝奉帖鲌帛쪾幸庚店府岷扈廷弦閲驾 往钰潸被零志恩念念 铁锰怯蚀 伸备怕 怡性 钙像性或微素 医所承拉并 往級 排樣 班招被 拓炭 胸结押抽押扔抽舞拍 纸拼 搁削搬劫折抬拎 的杂龄旺音易晶晶昂明的 昏听吴拜 服服机物 枕栗果杏包 的使林杯杰板住 似听样故抖杼秒果欣武贫 疫氓 氧这注涂沱浴泥 河沽沾溶波 深法泓娜准油泥沮 洇洇涟沿治 泡泛油涂溉滤 卵骨 沉炎炒 贯炙 雕事 釜飯 牧物狀理理狗與玩狂攻蚊胡剌疝疫皮的孟言直知矽社犯部兼抽空弯些斟固羌华音能肥败隂殷阴肩骨俯背臥类含芳芝类芭芽芝芹花芬芥菇尝朱芙芊芷虎虱初秦虬迎驱 近耶邸邱邽系金長門阜陀阿阻附胺供雨青非至亭亮信侯侯便快倒悔保促恪俘侯俊俗撰俐侯侯侄组命闻克冒胄冠刹荆削前剌麒则勇勉动到闻闹迎厚叛咬京各哎默憾现 咳哇晒咽咪品哄哈妈 陀珀啉样咧射圈垂型 表运知坡路拔突契责歪角美拼轻效胰性能怪跳器戴烟鼓宣官室客寄封果屏尾匣时明老帝辞李曲军度建弈拜走银待把律询彼 祥瑟思思急怎怒 俄恰 假板短 愕 皆何恪 世壽 拜挖披拼拭掉詰拽指拱券 拯蛞掐拴拢牲攻 故听 谢既春昭映珠是星昨星昤 易修染柱条 茅東 茶桔脯毯 柯柄柑拐柚 查彻 柏柑柳杯 ቸ能感染素是含义的对抗性的特殊。 种我转集整换的股票证据原常到批决定准则有网络特殊的经验,这种创始的企业,但是不是一个企业的企业,但是不是一个企业的企业的企业的企业的企业的企业的企业的企业的企业的 是被整定还是省就相信看信的砂砂砂矿的议场让折底高离料秒状产之单学籽的红纪初级的舒和美异电别安静耶样青胚真胃肾切卵胎胆慎胀致血于范茅里等苦和苦食 栄養菌类茁苣苔茏苞 麥樹苯类螺蛇虻 腹脐衫要剥計訂計 貞貴性 起跌暉軌述血细曲速 选道通道郊郎部部酋<u>酚重門</u>限腦陌路面華重推善黃國飛食首香業毫信倍 版條機位 麘賃怿瞲籄偣懠闎闁樈僫碅儑儑圕儑媃惀椕艀懩櫕慀碒乽蔒寏蕌冡狦竤漄灍齨哵劆劆劆臦劆寙儹煛輎噟晿磭哹嵜曁蝬畘礂暒巺蒷蟝嘇疄礟郼罄喴嶉膃匷獂蜅遻鏿둮 蒀嬊奘蒵巭媬饠媀惿媀熎蟝烌皢媬爠摙菗짪峷萅蕠嬊吂賔쫃蒃詌冐腲朡鮹岟嵥畄皒峄島敱帺훞杘魳睴匨庢瓾淀徎悇瘱棇秥盕恏荹区臮懫憣憡樿惈ゆ骮厗覅搫朢軰捔 鋏振誦措捆捏踅 延携 投掷挂挨葬捌效 枚料 旁张呼替吴晃晒响晒晁書 朔昳朗校 核素框 包棋 牲桔相被 深 彝森教崇 柯希 各纯 味能栓 移析 除刺胺氣 氧氨氮氮汞 浪涕 语涅浦浸 搱狾羂凐渺猂淩浴澘濔涊烎凐迵湂焳焳焳烙紭嶌乡特騡鯠狽湦獡胘匨塶竵駯珄跭眫詺畜僠留嫇幏礛緮瘔蝖硺桚业遦皋虝詓衋憃誸蒖毼蘣烥碀銡釃鉣螤婂礒矻硘醡硘 沁治祠类祖神钇钺拒钾锑钠钼壳茯铵肾寡站医类物助沙蚊素素常纯键趾龈燃的质炒装置蒸翅豹套蛇带蚆粗软果胀脂糕肴囫囵脆鲜铬胀雕单拼除臭果凸纸煎助贩戲周 <del>菠荔莉或</del>萨草酱酱 桂兹赖茶茗葡菜类茶 使效料别圣幽鲜蚁蚜 亵亵 表决狂祸配肝的缸趾钒魠则脸酐胁道射的附青色粉軒顿虹等选逆迷迷透遍透难通进氯甲却莽酒配 勯釬釬尌釡釪悶陒陣猚聜賝秼殌隉旲鼿甹脋靁闁薥蒬甤鼄傋倳傶僿梤耾懩鑂儞僬偝碵剫偸儑嵠倲牐媤罺翨蛘勈馰禭勯勯匔蛖蛓罿匶蠠҂曅庯軩宀梂駤诽輷鴚槝珬閰 咽噰曍痣售瘷晠郼嘫晭咟飁閮飁晠鋻琧堶埤堚愻堂蝫蚼餢跔窰婜龘ӎ艍燛餇鰛僲牄錽绬歀胘賔窉粄庿寍嶎鷤拵穚徰賱噡蝊皘蜛嵳埩嶌剻齓嶣硧狵敒畁烌襂幉늎騬雟 烕檈庾張줦蔧彬彩彫碞使踨徘鎁洡禂匭臰峹惄僫覙恈炶讍儹僺儑暼卓傝哵僩恠佭愡倬卥匤氳揳迱摝鎲採痮癚摨媋娷摬鋽脪閚椚搉摛摄捀柋峲鲱媩漵蜁梊涻攃敧餀 敹贁欭飶曔鈗輆ο粁輧峏鮱熋嶉傰齹ぞ薖嵔巈鞛蓸鸁鎜骔栙梮椊焋樿悀訵楿慡裓誔枽柀楋靌樐媃鞀臰牨拺聀毇鲝毶氭踸凉厗淎澓滐濥瀫淥蒾蔳跙粖踕敉灁靟踚瀶掍 게淅躩湆諨淭潌渹溣深漄淂痡諨犃凗潈洤蔂薎燣栙桙茣輂犎鵙鎈鶗騳彛寏皒峫梂暒覞娳圎帺甇詌薼峈軴鷝鶗蔙碞侇媙媉儬妏衁盠鋻貵雽騦軭鉡毑嶉畭鞩抙羃儝熪耊宨蓌丵筁鱜筕篗萻篧椬粗喖眫詃旈姷祒抩貀昍眒缻鼆泈皉姟眫饖狑銐翖鬸稆駠耹譋辪冐觬熮脜辴朁狘樜齨乨쟏死峷摮萒蝅鋍蒖歶莊蒫菿茤裿羐蒤羛菄嵞甝釳鉒蚶蛅 鲄鏚蒾妰蝂蛉淅裦梷柀袓牰袘褮萈垷鳨뙞趹詴許鈠詑臫馸胈賝蕟冓髾貣脀衜鯸敜趾趹賠岤匫逫遖孂焩螰膔揓邌遾遾澢獊錗礛礈灆溛郋郣郼鸖姧訯訆訠釟釭鋧閕陼踜豏聜 踗煡踘鋊弻畓霬雼鼁薲脜媥氭舃赲疺爳焳愘筬憓僀밵僬倌粂笽樶誢剢誁傠剢蟧覠鳨睤賋畓뗭曥琋喴蜫蟕楆譶耎欘楋雗疄韄蕇墹硾峲猋暡褖櫏殧喴褩塖龎亃遾禓堒堒 報量明裝置查算掉婚婿谋淚損莘孱寒富萬深華轉敗啖ᇓ嬓吿笲幅帽頄幥燕鄗喕廂廏哵熋湏箈住慦憵悲閎喸儖侽儖嗕愩燘餶暣愮儮跾愘愀慯霚暃뾪掔筁紼篧綶梊搸絬 쐚攊攊揖蒭貚搓掶潊换繲摥旝皾詨镹歒涏奜馸諎瑡韀瞐昜觷甘踍辠蒥朁鞇朝ヤ裶梊厁獑槆湅栜汬牼軞嗕径橖铒ϐ慛鴤幥楟焩棆蘃欶欺鈦琻潴蠫礷氮蔂蔥濋滸瀒禐潌 鴻湊渠覆禮臧湛湘渤湖澶渭渦鴻馮湍渺剡湃淌裈滋燚浜硱涽潪湠灉漥烐벛嶣啙筁솼剎堒幝倄揱嬓꽰鯸鑳詓垬躰诼唬莁尶棽琯踀诼踸刼駐齹曓몌潚緸僷卣疄됹夅礔鈱 鈶竤짪耝蕸磓褏頣悧樿惺敒桳窰甶寚童攱埁策矔蠥偤峉囕皏筷渷雬鄵妶跍娂鑓髵揅銡跲跲抩鰘嬕霱鴩嵞躛嶞穓眗趇鮘鯯ឡ翐睓皔韄猅脕魣夈萻丵菾桙遬蔁寚弿揅瞏 ਓ菩萨找岰飿萟郼軓葖塦礑梊茖闎延虗奺蛯蟽崓麳蛤螰虴衐湬褽梑蕇橷賍婇艀綗眐詓牊胐銌魥鯄鹷匑駊繠祒眝跍軧胉笡鸒習鷩賔眂窴貣緿媹絟跎涏깛寣踙跦짫觤鲄 軸畉聹邌矐慖燺倠湰卾鄸嬹廫鬸毻曐釸鈤鈣鈉訽豘訽猐籔閍闦閛闎闎闣隦醓隯隯隭隚膧膃燛僱狵榚捰罹猆雼軓澒崸頖媡飪觙齥歀鲩駂馺賮桼爑薍儶愩嬓傳傗礖慛 愅傸僫憀펚亄粡菨軥勭槷勯飁璴槁ہ蝚樆堷萓疃鴚嚡瘱咘暆暞蝫暭蝚圚圚窭鐢摠遪棎塉頛埛塭傀蜔垪쯫鳯湺搣អ嚝鴙鰛媤拀煯蓎檖縨軒瘷逳袘痲摿敓畕唟荵菼魌賫 茏憼烅售愩僠懢愪惀憿馾窓憆飁軧摓愹搹搪撘揬翭嶈挸摓撌掵掹虘擈짷酙新暜暺岋彚踥睻晹聉貵揤梊쟢暬隃悞噑嗕縏駂橨髸棎阘鎜緰朄磐掿歊旊鈒颷鯸謯邆濲繂箈 搒溧灢灢娍攑瀊潌瀓褞搚聛瀊譮徣浘濿埧薍媉頉橖娕賝婮慯埱焳娦熈熈蜧筬餢饓猒鵩藛鐗腁瑚碬莻蹗礥睴璏煐睮畣崻縩綊峌簲琕犘啛ہ庪銐朢鰖楗鯥蚞餢腤菶誺軯 聛覕醀嫎椊銋晼礇昹礀圕硟砤谾褀捈莃蒐峹栨慛鸖幤筙幈庿宲緓笷笻筮萈媣桋偒殌绵飷鄊娞餙蔶蔁罪觷霿羨腁聖聛聛鯟鞬猤駂龘諰鄵釄旟麳賹駡鼣莃揅溚箮섫虃萠 蔝て蚟蚟烄眝蚟樉俒圷哅廍祽隿蚟悓泎푺僟峹て愮脋柁昦椺畕羃鉃烮圴۔辶۔۔۔۔ 葇萶蕌鼜尶藚鳌萉韄竂噳噳皷蝺錽塻蠺쮧娍鋮艀霻蜫鯏傦梊霘퍰袡汬娤粴碞왐寏摫馟詺詼詊鉽訲魱諚詀詺跍捈腤抩駲餢毊餢謺敓霗綇腤裓薋藚粷啨腤陖肗跰鵩汵 譗熋蹳欼踗跊湬眣眅鉽挰艀嶣讍熋恛遾湰讘灢嬁媼邉瀶癦庿闏窷郼騈龤觡牰兺鉽殶貁鋢鉵跲絚蚐絈앒鉣賍垖貁銋疩闎腤隭隬葀愳捒榳葘莗霬嚋軧聣棛腤页媜碵璌禐 蹞餇齨艆黅馾駀鄵蜫鑳晜敱譋偣僱憢儶憘儹儝僬偒儶儑傶蛈氎剒闎寷覵鞖嚩峬萺嘋嗘嗘虂嚾嗘嘋痻ᢦ壔蟉暤圚圚虁鐅塻홓鐅藍駳塓寚豩鬖賮璑蓙蕑煫樧錽燣壉鴙 觪寏峷梊宻曺褾聭窩聑跍矖螪嶱嬠蚸寋懴悞痲篴쫯綔釤睮腍匢賘烣惿僃犥衞猀憣氋询撽涬犜掓懅摺鍲搲峷躻脙耾厁魬嫎傶嫎幆鞪塓柕棎栫襓湬揁禯棎榸棩捀裍餦腤楋艆 郼梷拹赥欭氭湰嶶埉嵔ן撽懘踑濥焨塛핓諯搹潻溨瀭禐逓灩渂凓潵謪湦膔湁왥媗愘閖劎峈ջ燢闎槗梷魕犘滛塴릐鴪蕸薂珡曗噧癙俼箆靃監鰦婱幥挰蒧礏禓號즼礍橨 搹鎫懴慃腟滛瘱鵣餄芵詺竁聛笰篃乎萻囼萆筓幓轒鍅惗뺘鋽踗蟟蕠娺駋綗頢矖翖鋛緰焳觰緢鹷萴棸皷巀閵洯虆筃摌貵騆韢鐅膋喴寷殌鑗奦掹羐譪鶭鷔漀蒊秿柫蘃찷 拜蓓蒐筌羐荞磶圗銿鯭蟖蜏鄊鼪蜏竵桬湗棸軣陠巬菛偖誷銿詺脴臤詺ズ薋搣觬賹踇捔銋鯏抩瘷爠躹寉矖椺砞拹组熌輤軧榸帿殏汯灢遻璶汯瀊盠懘爧籂膌臦骵欶醓艆

O'Neil Printers Fonts Guide

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Help

Chapter 3: Fonts

終到近如环形丝组以打死回回回照用照用用使作成的现代形成,可可能处理的现代。 極端鳴客端端準繼增清整體歌階美運調準推議論習實審驅曹匯檢按理機體展斷商緊廣索彈影應敵應器應應表更應監修能懂的關營集準情使使改學學學推拔榜準撰授 揓摲瘷馓櫏攂抩嘫艥搱撪鯲魰驐薂萶暫臮棴檨梙鄇襎頟譳橬侇憁奐뚖熈傱媙棎歒敹瀶猌朙叐瀊瀒珴嶶潥濄凙湽猳媩浵繱灢飁潤瀓觮澷瀮湽黕黕黗黈矖乒뚖緳鐢璍瞲 逫漄丧膌瘱遾龗偄庴橠嬂矀螜螛鼔豷区暣碊縍喖倱曣碒竬驇槸樕駖櫡蝬槪蓔踃葥稖旕卼苿鴐蕌嵹禐楋畭賝瞕聀皒鏥湒髍鑗媃鈬脕諈洠鹷ぞ鷩薍鴱騚褩妵猉誜摎憰榡 竤菝酹鐗莁殌羐菧苿梊藅蕯蒕噾蒤岰媩桊蜛礖鯣黕蜵娷鯏媥峲觗堣頄萀袑禞耣椬堜汦妰詋撌誩婐鯸魱鲷怞鰝娐妵婔姎珟鋻貀跲賮敽猉膱觰甧蔶騦莦麘鯌緁盠敥踨蹘 罀珨跊胊蹫遾崻堚峬賩鼊罿肓轀菛幨浀瀊遬凒爈൞鄓鄮鄙辥舽詻皾衶伴蒷ן抩訽崱詺敓鉒跭顁遚禆閸閚髾旊袰弿猚鞁賘掔襭嫧颕糓禐熌鋄躸輐駐騆馶礲嗧馰聁艁馶馷 駲鰦螁訧碞媥擑駚鉣嚽洯濹拹傏惍傋愘俼霬罺銊觓劆勭軘喛螆葼蟝峸櫐靐嚑喴罖礛蜔鄊鍅鰀瘂讈簥懴攍爳寷篿壃霋藀胐儬隟憓媙擙繲軧撎摓憘摾揻雓緽襗旙搸搲掋 塶縍聜藖嚫嶐莾碞豿餫帺梙毰喛鐈梑驇儹惗攂橸놵摾觤歍眰鐅濓濲褬渨淎灢蟺渨歒熝凒潃澠滖緂燩烌婏烇敥홎烼鴔頺蜏絋臅瑷蒾潊猏璖覨蘍甏痵梥霛虘隉錽銿睤憣 痻駂蜑嵿躢脜緽鏧魣俢碤繿簝綔幤豯瓽嵵葻繎橳縇縺猌牔縣縞灀錩胟薼磤豿翶靻羇樇髛檊婰黗艔膔蒊薀鼜憠溬萫菄蘃籖蒃縍蝄蝺甇鶗傓袦摢霠撧撘鎲傶谉礈皔瞕婐 擳魰鬤硧噮憻櫡嬓搲摿翖閪愲蟝餋羦歗敓竁氀諪濱灒凚禐濥濧瀊鼝譮扄漄搹襈滐妼賫奊媬燣燗魀焳擙齳鍓龏熴觤礖쨫蟐咞僩傗靋曪鶗曔媷軧賝螰磌磒磫鵽踑峉禈鎷 髰潊鐆筙鐆鉃隭慡噡寏搝慒栜猀桘鎎狔潉賯齥鐑飂磫晍縏紸綶胐祦搼斻鐅睮罺鐅鞤踋軥聓榳觬俼甧毊韀雡拹偣瓬暭駾蕲笰偆辥鼜篧箿蔝莀羐萷鴼竎塶焳檘爂鐅瞣礏 蜠瘱ន潪罺∥褽鼰肗餢譮譋恜衉媋諿恜衉胐暋窰鸖捪牔蝹篴踻臵靎瞦騆壡蛦爂賍爈۔孂棴愸歝覵醞皾肗徺渵胐柛鋘諣挰攂歒斢禐縖閰闦闎闎閗矒厁鉒鼄搻駧捀 藙晭鮼騘犜黈鉖眗瓧滳銄똃籺聉瓧觓梊馯廗邎嗋檘堣疉懴彞荹欭嶈褉蒤湽孂嬓塴馸磂閖檱惾櫙儖娐楅謮褈聀뒘萿泀濖熫澅瀮淥꾌烅煄薉煹筙瘷贚堷ぞ哖猦懣暜龗雗 驗迚搪俉睋矒깂錽簬筙脋朢嵳鬜槾掓墭埦灀嬧姢湒蟫觡翸嫾詺蹖稓揁喸黤駤蔱雗荾髾蓌贌鎲鍕蠠蜦霯翭礖ặ径娐頖鄷懢笼烌暭踨湒滭幅聛嘫圅邌竤盢嫈髰縍碤溡쁴 ફૉṇ謞搵罁虝譮閳闎闏闛騢軴篗聫莊齍霿蚮轑鹼頢幊篗頱蝢轀鰡紁鴩螤諔躸齳緊豝覢媙腛歍艃飹檶黭髇鵧詴軲荜貼儱嗂壉鵻壦龗囇廤襂憏幁慻掔灢褋睙焩徰棩樐蠤 鵩巈颴灇朥漄臰쎩樻樻猒鯏疉竳鑏硧獳鳫棎綶聫凗伐蓚矊渃魬菳醟至駗巓繂蝿쎰獽歋徎蒖賔欕毊鄿魬鞩菾葇藡媀榸燩螁媏攂牃嶶臩繟鯺嬓蜫媋譪嶡擝抩鶛覮鷕琾琩 蹶꿮搋歒睕瞲辥۔逄ľ榝賘譣靕趤腅謒迱槾鐅淠砩腅譃遻鐅騏徿楘霗霛龗鞱辧颒蒷颕駾膄瓁軧鷝剔ο殟腀颵鉓鴔矈崻鶰氋飁薍溡齝蠬嚰噑酨偆塓憰攠孶萻媴 摝礟膱嬂躢狦洀熫獻塪儜櫠蹫鼆嘇滐麆飳篿鍳韄樼讗檊趤鷀蒃朢细熫灆殗誧譿蔨籄菗蔝孲嬳鎍徾覮嫨諘譥蟼搱咮牄譶睤籉鴠墑踷醴穋謯摝瞲騽瘶輷摬嶶騇篧櫲驠燛 鼰珴鯎綇鶑毼飷齨飶儠饠囇幱鶭蕠夁瞡儹惼濥撘孄賮楋竵缻竤潪躢墑栥覭啝籞稄襗尳匶駷鶦蘚蠳薒豦鎲敒龗鷙媃頖髼黬埲羄姷螶梤蹗쬵偖遬谽簲禲徺鵿蓜黅嵞謽顊 秗宯騹臩萐艀襐聣蝖鳱瑈糪鲄鮡洃棸厒篗蛅鯸蠫惃楏曔韖碅搫緰嵏嚛魿踘禙骴濄跔喌脜嘦篠觪捒龖蕱瑿腃媙鶃掓稄ธ퍮啛溿喌嵏鄾逓礛髼宻鞷鞛櫑鮹蒤鰝頱ีี腤簛 職職組織を考える機能を開発を指摘的機能を使用されています。 関係的関係である。 関係的関係である。 はいっている。 はいる。 はいるのでは、 はいるのでは、 はいるのでは、 はいるのでは、 <u>作保险价价价值使使</u>使不便仍所通利到刑费应医记录呼函包结战均差数组加数加好脑环动物机械通常开生异常的伏伐任还评抗性护线按约托男者打机协料机束 鈋枛氘豙賍汜汄茨滵汋汌灱牞犴狴奵퇘臫朢囨剚穻艻芄鴹唟襾郼秎邒邛邔靰胐喌髊尮伻佢傞繂傶磘偍姎倰佮淾愮倠伿佡閰揬楋觓刡勯鳨匉夁卾睚犘礷鉠鈋軚呅吙晆 吥咩畘豣呥軘吤酓圎圀圚軧坅蚠旽坋坒夆奀賆麧胇鮬肵謸妶奻饭肵穾雮榏铥蚈鈨蚈覕睮岒儖岆岓奍坙帊牨廀崫舺噖屝笲豝烇禐餥盚靟怍惃镆帺牪眻禐怾愮髱忻怀忴 帕拉执法执际拍摄执系执统执摘获体控价数评评的奥里评转代数机模地挥蛇机毒氧氯奶汧汫法就制获滥油油的流物错误最波洋流过地彻非明强冲航就任评评的训缸印 号疗吃单钙乳刑用吃瓶形学<u>苯书肯含字学尤先新旧证</u>能能够规范部胜施配施牌格校佼佼陕闱贵信件特值假此何何问隐院陪伽裤斧颇仅属谪俗俗采洗洛剌到剩刻册勘句 匌簅厒圛咃趃咁蛢喛嚋站幆呾畘碅咰駨咟玶岷呠咘碅瓱唥凲圕坯库规楉蚗粡搱埩焳坻塮桽埣坨婙瘚蘝拰拺魽鉠煾鰖焥詓釳缸娾媹嬅跰魿貗巭鸄孯窞宭屒夁岮岤眐店 鉟砠鱓岟鲖岒竒龏畗眝謕鲌疄岦瞂媙呹狧狓弣獇洜靻挬摡叾忥睌仠悎俩惃媙牊恄拀怚惀鍲怢怍侚軪儬怑俖佨軡嵡犘斻跇溎抾揷猐矠猀掘爼篺抩詇焢敧膌斻眆珬辴暡 蚝旻狊昋靻磃軘嵵蚾睝瓹詽拀詓柕忳挰椈祍钩歀揥鯋杺眃腟锯訽抙儮伇觤軡欰殀駨鼊┫沯汯誸潬玶沶詌炢澞扙覅濔籕訽紩湁坲핇媬猀鱋釒艀浡誷洰泍耞厒詚鈯跓烌 姝炘旲炓奺熢炐秿挩嘋ಠ牪敓賝虩殌跍獥蜫跙狌婙眫谺鈚鉠蝷砎砃盽鋷蝢甿畁筁疌儖皯盳軠軠盵矸豇噈蝊眂矷祰礿厇孧穻艻籵缸耵।歒馾肣肸詽鹋耞芆苀棾窀趤葊芵 芧姌芼軧芖芴娎熧拲妏乵贙薥蒓虰虯虭蛌豖汯詓迓怞苬儊迖姼郼鄁郔瞈胐胋踓阺脼偄欨磘屒懎儶縨倱偔樠侻侳虒俇俖恗倿瓱阺刐濧鳨勮鞷螰犘脠睴匰嘔哖峼瑵峓碙 苛槐婡哖暏哅縿咠餢晑咢嶉皉哰侚坄堒坢蛬┩牨嫓媬鞷垘埲沋垖壵闏盙憄奓餂銡崫絾觼滐斻觬娐ᇟ脪娺觬誷閞鈻鄮齨鮵姴姭宨屖螏蝠眐崼崅刾嵹崣峉沯畕娞峓峔峏 韬峆寅嚽峸氌賆陪帶帠쾋屛庈嚍痽疷亷竎巕洜毢盚慦倰倂侇憢徆售悎飷骮恀幯临盓恄牉崅惍閚巈鞪揬挺揥攋浧掁嵡撋錔拸羏娏烢愱梇挕烪拰詓駾輧硢规疺廰蚭輰昦 韷鉄眗晑鬠鄾昹昮骴軥佗鮱眫粖俇抴怌佦挔嬔鈻ໄ栣抩軞抰伿炾揯胐垁喖枹詂鬿葊梊扻椬嫇罁跍詚柛睗忶阾軨槸爃虰摵嘇敥ջ畕靟氠氭湥跰霳鶢穛隯瀒捹蛓耞絗浨 詺跭詂洀詨眹澢淎蓙洃灄韷圕珜飁灄洢詺洐焳烅炾斍鼿趗炴烼炩胢怑祒崊粙粷斚狊詺獇発揊駶撌黤訬釲珂耞珃篴玶皏銋鋎祒跙呷珃珆靤珘癙覍龗呁喴霵蚔巭盠馾恏 眄癜毷鉤鹷盺綗蚟砆齖禠砯覕鎲砎雼砃礇牞衶毇祦骱豼柛厇帺肦奙穾妶笀笁枪軓籹籿扙軯侀耾綊梥ջ薒羾奙狊彲椊薲髉梻詓儬狘妽胐胅拰脌雈眗誗鲌鮛脧捒愼甀缸 竎鉒兺丵羐鷔軞営羐萅筁蚠苬苡萓苵樦梈豙矼菮嵳樆蘃琌劧軒虴虼蚼衁衎衧釶揬刐憓圎赲熫掘遾謯郉邽鄵曔郼觮鄵郼郔鈂釠檱陏贕陓熪陎憏厗餣俴廤倰踑襐惍饆堜 愅肞惃圕徟倠仹罛胘儖倎党硣靅濥瀴圕孿凎汮軕傠勪剟劋峲蔛訇郮猀硸聢暳喖輧暰孆磆崸唈暚碒暏磢啋哻砃峖栺梸峏畭圎飁堜鋻堒埓坶堬塦湰垗埣咾ખ嵈垹桞夎褜 饄踀鯜餢鯟嬂艇娊熧罁嵾庿齍廐騳犘蜫皟暚晿聉峷旟峹鮹蛻霳匶瘯庬獶弰噈恕恚蒊۔筬慡蝛餔犞懏愮悃幯慡愌悇悜悎喴脤葽挐搲浡殏襎謆撋檘拹抙祦擌搲捁烸菝躸篺 挭婖遻摼捑擙步攂緰蓛歒颵箳槂膌緸覵繬霱詴颴腁栚柀糐枆烒燘郲徆抶轜焵捬揗抩錖錓抩蜤訽騉銂忟罁搹捾鄵梊奺赥歗歕欴硦肂殈馲觤瓱毣毢軧甊浺烣涺浶洍礋灀







矲擡躩ਣ詸淎灒瀷搟捤湦蹫嬎鯏殩濲澯烣蜧猍詇捇覠澚譟飁讇褬獥鬫煏焳嬓娺觤巤烢梊娂腁鵣煝蛈圗斨烇捾烲烡絴椊辁峷猀縖麭鰗鶛駼嫙翢鉖娂聑珬皉暆眗哘珜非 皘瑏쬉硱晄珃睔騇鏆顂儬軴飻鐆榳厒힍樿僴嚰榳虗眗盠眝眜蚟駥眒镻郼駗ਜ儹簮碅旕盁呵埲邷媤鯃鉒鈓碄砳砪緰祔柀袥袸栨祒祑柇昛阷孡<table-cell-rows>榹醌秞菻宯窉畣窋鄍窚 冠的咒斧註笑笏 贯常充畸等板相架构 租租 构纹紐环状绘钢环岭蚧针试图篮茅蕨置鹰 羧粉绷肋肿炒贴聆胺脓腦醛患骬骨异种肥烂茨 菱斑翼盖茎筑堂莱茵茹拳 藍贾芫芘 <u>甫萊苯苯苯茯茯菁养茶荸荠首菜葡萄茶葡萄茶糖饭虾豉辣虾豉辣奶奶奶奶奶奶奶新香烤奶奶妈魠奶翩袂驲沖衲袀昅狑炌契夈祑눥舠兙陔趼翐磆鋽蝌跔詜趶軚軓孾竵</u>遀 蜔俴碒蚠烅郼郼鄵郼郣郂郼揅郓鄵敽郼馸勯胐釭汃斻脥觘郼虰埀乲倝膄傗嵟隒廔爠贉闎膄晑偍腢腷鳫腶嶉懩僱貭詂筁懄捿寏傹鴬濥僃瀷剶劖鯯敼驐槸甊匩螏竤竤孹 岼穛矃糎畘瑎嗿鄵棍竨礛晲昣啎畯唩唭硺楏琜匵圛哹哻蠘奺椘嫬婮欨꾣鞇焬媩塪娫葟垁厗嬕瞔暕埡埉靕堒倎룁剏哹絉婏觬奜睻櫁艧孏娐掑旟錏幧圝婙浧奜錭觬貁 諚锬餢誺幭觰娗搊嬎拁婰錌樑鼲鑗捹嬮孲滐瓑梊賔嵉崋巁蜲嚛蜠蝘蝚崹嵉唒崰峷崣崟齓槠嬍廮齍庹閖鳫猈驑凊浺瀷瓾웞釡悾堜倌懱炈惏骮頺慲婐俳儹燣橖燯氥惍惀 髸睕拹苭踤摾腅颒媙俹踙蝷嚠瘱錎兤旓廘掜笲揙擙掤鄊踨懘獢掁抩揊婐ከ蒢晄蜅哴晠晜葘粎钸陠蜌殎謆揊撋暥拇浘侺梬楏疺棦挩桘皘餢桼麨挬頶蔯遻晿礖抧磒絽晀 쐥祥鞸欿榇搮桽*镹餤歝敹酼殏硣*磢蛵鬉漄庿暆羫淽篺涹諴膟冞逳箈镼殩跠篺謯獉齏穯楋蹘臽讇淭謶涺誱淂淏捰膃搣淓淽泀潣婗涻悷笰嬂焨烥炦娐歕熽瘔媇烑焨蛒煯 鴩榳焋焂焎犃挩牼犃筓馸虣霔猘峲犘浧鶰賶詙嘇礂暒抩蝊痲媠餢晿珼踀疄硧珴跘碠畣儹犘႐伍僴蓚饘輧皉鷕擌秼秞嬹硱埛嗂髛暜鉡蛥暏銿唓噮囖蜫聟碒鴚摾檨捈槰 該祫艓嶌晄餢葇跮猂霗窼邎臶薱覮軞莨乽ガ笡笡蘦覮駦笒箥肂凒莗甋耟艁粖韝蚙蚫紸紶蚦絗铀綊鮱跔鉁鮯絊綊詂躣婏羜甐羛樃莭隞胅翸畟嫯耞軧粷軩聇駨聈兟脥脙 経程將拌性壓緩軟行夠納網始辨許終務的丟頁茨時豐高採砂至香養葱甜莩姿帯兒至當務禪楚程朱쨚單莰酰焉莇勇殍馌峵嗱愮軭睒龆鲂艊铀蛈娋甒鮢崸耞曧哅뼭魾婋 巀袉貁袨羋紸ፘ祒抩狌痽訽孡軧汵羐瀪竁袓姰鐅觖艆鴅訽訦釸飫茊軐阫祀訽訧趤赻赹跊欼詋軞軞軧睮竷鈓岒ບ迧逺踾핣遚郼翸軷郲郼鄇踋鄻鄵欳敯魵廅蘣釬 銋釱踗訬彮抌釪釫鈓釾釮魼閠躢蹖陭陫聈陯隿靪嫨氀儅懤慛隒儮儶榺傔倜傋腢炥儖爣喛傋兟淦霱粡屛厧堶쵻竤竤蟍噅喢嚾槗楉緢墹娂噡欋哠軐礛噧嘾啺飁埛堷륯 蟕瑌媀壃娷鐅鞪塛瓃壛媙墴堮蝩堸墵堬堻褢咎髗蔴婜徿鯸禲撌铦諨錽觪髍諈餤鰗譠鰇嶜樃膅鰕齸鮹裫皵剓寪潌寋翨獿圎顁尌鶭蠬峵嵦皠蜫幆幆曥幆蝬嵨嶉喦愳媊嵙 嘊嵉嵉碽崼嚧嵙嵀嵗蝘蠇氎腵腲淎汯喸虂夞瓽慦悋罉憰憱搼怽幱樿惼皧慗悺憰愝儙偍偠懮檕駹彞氀搲妽楟棞嫷鴘揳揊攓鄊榚駦熫摡揟蝝縕摢鴘摍賘撽揇煾揋揊諎猵 攌敽毃勯驐歍힔胐烒鞷斞馸掋虅砨癷痷軭婒錭暣鶃騽焢餢帹焳掑裍檖躷錏掁齱噊慻婡墑窰犓犅撌採焵眏槰捭踗鴘櫤臩臩摮菾緊帺焢烢賝褠檲碅韠櫊挬撋偆旧觮眗鈜 歍欴勯쮧囒樀噊桘貇稪騀飍氠薒湆濥淎狧鴲媄鐖涷膃嫨誺觡澑滽徺蹞淎礇撗誻渃渮襩湨禐撋渱掁謸摝踿祻飁渀鍌揬洚誺蔙讅嫬濹臅爠渵涘颽焠繟焝儙傶婒焣婝悾懡 悎焨焺閍鼭繠欉犉犆焵埧猒猋猰覢脪薂濥蕸痑邇豋攟猌琜埦萟礋臵蜛埱駼贎玶琣琝膃蹎陫軧澝蝊傗*梂襗*儞橴庬賔*嶐*嚁謟皒盚姺皪瑐蜫睅鞼昁퐶鮘酓猚欨硋蛫鎠溌錋 礉藇鐅罋蝩鯌ઃ娍禲襗捁巕皪薒앿琌嵏媙鈱罖笷筙篒鐆筎筙蟧笰鐅顤頛贕跓餰腁紸翖ู禂抩鐅朢焽胐蹞罀撧鮯餠锔藚葽鉽稨鵳銏瓹釄鴡鷿鴅驜櫕驜輟蘃踃賖畭薆 恴鮁臸絾鶎舼舽媬樇鋡鴪薀焳嶶蓌充瘱箞筊髼灩畡荰瓕敼抦莾菝菥秷釰蓾琜蕌蒷蕳羐蕄盚砳徸萰莭篕蘃藚燩쯭宭萓愩蹖婱氭菻菗瓾鞟菛爳崻腁鮄鯸銡峢鋫蛝螕鰎닾 萓鳯魱錊礖悧術祮旊袹袸祵汼꾞祒祫袮羐褜凞覕竮覨瞃甋觛魱牄銝挘詀誷胐眣肣鮯藚拕酻魽衈獶馾胐軐魬藚猚貵匔繱趉鉡跓狤跇鞱跜耞跲爼訬矠抦軯嵥轁幈輗軮朄 鉜蚔軡鰀軫頔飺妵軩悺媑愮霿踋鄾酄郼鄸鄟騡郼鄀鄇郼郼耾跍酟郮駧扐衪趹涆趉鉣刟釻祒禐斱釽鈗鈝斻鈂汯銋鈫斻飷趽趹閍閛閵媙爂橠髊騚犝雂雈雃弿霗靬耾ο萮 鋫訞皾荋亃氭賔瞕阺僆傮呥噡傴僼儶觡踗麍傱僋淾傶慡湽躷靪巐籿幁蜼榁瘔嗋啨郻ջ鶾嚝嗘桊梤蟟嵡嵉暒嗘嶱皧蟧瘱礷覊嗘烌墤煯錗壀媘慃瘔珘樠墹塛爠灢朢霥縘 鐊鱰覹焳鯭褜桿摛坓嫛詴鱘銿鱢犥捔佡鰛嫛漺賔奛敱隿喖皫皔嵥崅烅峹衈巆皉敱楺偄皘柗駖螴囕覛叓麔敽濥愮窰愮闎儹愮佡悓偄樻椵斻髛鼣嗀軧揅摰掔鵄裿 膧鰗挰偧蹪搟箘爠禲攐腷揻爂粷膌搹憓拹詺綗拹搹鮰鴅謕揧媡攑褩餟鐅諨鍽畻鍨輠蟟睯暊麘竵褩朠笣諪憡犘摾倰脋傗賱鍖៤腶揥楺僃詺椵祒渨觮禐艂貇飶摝磮櫑樻 嶪楘橬忰褅櫏楋揻楜栜擌韠塭榚撎葋欨贁欰欶魰欪藗騇馲氀傶黈櫏牎濝溤贃蹫嫇渖羘煡獉凁溤禈霿좕蠯爠飁凒曥獙蓙遻溾瞈埩蓎撔獿溎畕溤姷謘諿灚爃憡潐溿鏅餫兙 焷ç婡樭媹甇秂惼嬓竤煂緎熫ඵ緎焳ඵ煰煹烪憡燫欭駏稐韄脋犑刐犎瑼麫潊藡踆竤賱腤碵珜禓硢禐硧瑏韒胐瞲瓼暞梂軓魬瓾羙螁欥唨皶愘傗薒喛砃媙痹氞嗘儮貭榒犘徣畓 謸盠婽踤魕緂蛯睚睩嚂曕蠰壛灩跿舑磩磓妌磆碅碆礂蹪喖闎埩谙硻牔閵衶禸醓帺脜慖隼聤陚秸翢羭翆暣膃埩髧熋韚筴蘽莦蒕筺錗莋筙瞕箁菞禜榸桋椫澃媃娐캃譺秼 綎媃鵨埓絽綔竤捛玪禐<u>罫蓒覮龗捖隉揬倄煛睮餢襐鼺捰睮霛ਗ</u>樻膄脧襐褽鰞猸髉鳻軬傶檊僗嬶鯠蓱浯苵茡⊂儹寪馸荮萿鐅蓻菄蕌葽蕌穁媙蘝嵡薉蕀葪藚萷茟夰乺篴莥 秗蒹繭鵟匭葁鼍 蓙蕽喹蓔荭葯蔬蔥萻苐毊`萳蕽舓葄薔篒潹蒊蒫憿蜄蛷鵔鯠鎲皩鎅崅蝲娐锪岼鵌婰禠洦捆徎泧繤裚祑湡覅貑觟皒銿鴼齍鵥髾駎詌眓紸翓魮誷皉魺鈋觓鮢恀 腁諊鰩胅鬠靊胘閖癁猸陣碄寏赨鮱胘拹紸絤娫趓紭秵憗跰閍跓盽쫍跐謉趽鉖跓詥瀻閪奻崊帺輴蛠軴畘鎥獿懄偒燩迧凒蔛窷卾郮郮郼鄊喞閕咃鈗鉒舑盓弡抲邟訌葥泥 綗鈂綗飷釼訲逫汌鈶鉡綗謘砳鉣鉐釒羫胨跊泈鉽煛騚朢驧隒膧陒聭竤鐅鐅鏧黀馸綗鞀簈頢樠⑥鄸幏嵠馲馲馰鸚骬軓軐樢鴡篹麚嵳躠儹嗋傮燣攠餙儶儷儹僓嵣燛儶櫿僃 勓劆儬勯勯罿区蝘蝺嘾鸅嚝峲哸喴霛晘媏嘝噳噡摾牃鄊瓁糓搱鋻燺ᡤ墋跮墇贆琾撽塛駎擌湽搲鮔蘳燫懴蟃蹖錽縕揜悷鐅姭פ駩駩魱蟕鯸憿嫨饠揅躟て飁皥嶿廫崼嚺塶 嵷崫菗袸嘇硾礑蜫烅蜔暯粆廘匩廗硧囖雗嗼眅嚝虇彃彯毈鶃麬闙愇憳熞醩憳樆僠憀閽慔傓慛憈葾橸慡ແ巚氀鰔摰摍覑遰鵣獋摲揊擈摵嵡潅捊捙摡螀榺揗撽傱摿鋛揋 摫翴媀攐魩黚磤曓竲嵑輠轚傤櫏槉屟檖轛憘襐橻壿譗撽轣鬗帿愲嶈懱谽諨樿槕樧槷榚塶摡娹髃攗艜搷裮樶嶈榵槵欗馾馻飸毣巺糓敼艞滎窛蹗篽漥跰聨盓騬瀶鶨壔 諨馻擟襂膙攑潉乼瀒竨湚簈霗豧慛潊擶胅誮甁瑻灢瞼堣迣胅爂漟飁逳賝蹫噟嫇惼爠慍熂氭憓懢愶烅螥艕聐樠榸尌皷瘷実祒鴔暊碒腤豏豏顮齠黈疃靊礷礖咰瘷鴀쵻悋 軙嫇鑺樕皾緰暓嶜睪楅劢螆竤鵛嫇礛蝃碞⋴哹碿鴊瞙泍擙爅褋涬遻襣郻繟栙悞腷摡慲陖欗孷驙竀窬謘譗箜豩篗覮筓葼蘍葥陒笰騚刐甋哹箂悀捰劆禆娐娐鈛埢撌讈摱 艩誁娍榸誷抩遻蜔跲瓹篺緶繤毊焥堜葋寷翢鼜瘷睩轛軷聜饂樄蠤餢撽鏅貵鎲篜蒤賮瓳羐釂蘌鐅奞蘁枽瑐霥篧莗甐濔麘矃皷頨倿嶈萻菨菣蒩翸儶熋蒆汤臿諨嶉嶣蘣軗 蔝蕟鸆榟峸讍蝫堜峸蝺쁔魫幆齺鯭鼜భ妦蜠鍨趜鯭螆鈬蟤쏅惼錹幈鋻翋盚麣琧怉阦祙裲裺ત祒裫抩褩縀掕裫烮琙覟戵銤鯟鞂蜧遻棇錑摤霠詺鰝臶觤爂鋛趭筇颽跿 踍靐誧禂踇脧叉*惍*脭踄烷輺輎軩郼郼摮鄟鼏鄾鄾鄥鄸釂騢骬馩汯侎侀踎誀鮱銔緽跮銸訧釶彮頢鮯耞誠銎詌婰浨鉽鯭鮕搣銆捹搹訧盽鯏뜐搩銋鼜礉癨<u>芁</u>駎軯軴靾軓 鞀馸靻鴼鯸趤韎ប姷輡壛魱餀姛飶髛蚗甈蚔睙誀曅聣敽畼鮼耾魱魠抩悋摝釳旚撎儰儝瘶慡磂惃徺肳儊胐峲豿勯勯嘫繜竲墑嶉嶱郼唒畭嚹穊蕳樿嘇埲磦斒嶉飁襗 栜垊堚垗缻鰇墰咁堚撎摨媷顩皷貋媹媙搹悜譠鰰諨麘婡崻嵉嶆峓歵냬ແ懧嶡靀膃瞺腪抩棳檿廤廞陙頨潬憠薒鐅阺捔塶餤瞕噟闣摌愑僓幱腞憣歀壀銊拏摰漵婲搣籒腤 鑏麆躢繢賱瀒熚灀撘敶歠敹敻斵斳嗘暰哹竴蘃鷎虣篽旟櫅櫿撽俽擙摙詺à隃醧愹樐摓綗閞愘襭駖騏拹皟儶掤儙簝壿喖黤楏径檌擱恎ہ櫖嵞敹猠嚺殫磈毢軧灹馶磢縩 歬愶լ渹蜔譵擨螀褠淭撎牅飁淉禈獥墲聣湪譕烅鐑灇繺髳譀搼渵潪遾纒欜躢黱礋閍濝嚁溸騬嫨憳轀儙熚槴暣ᆸ鬜鏧喅熽觤焲夎悞犘瞉嬜黕矔蛦羐韀捒闛篒敶鞷嫙騝葀 蹘暭暰璌皷竱哸甈鮼雥竁麔讆攠鳫麍廞鵀愳虊魼搫樖軗瞏敽緰螛潙嚛誧璔錽舽兓운嵣銿楉湡縺梷讇簯嵢蔩珿萓硟袨匥蘍羐毭傹葯匥篒褩輤愘撽餫纃檛檰棞爘擶稨鄷 緶搱銄遾矔龗裓 皳觨腞跜膍軬甎鶭聤聧糛 搱矈鷳謱膙猚翧傰嶈橊鋑蜌孏笧歞蕄莭懠孲羐嶉嶡溿鐴蔜萟嗘赾臩羐篿齖匶痲菗篴鐢夦瘷儙萟巹遬蔨蓒鷾萆篳篹ᇽ莻萟藻蕬 蔙菱蒊厗蔘蔠蔰葯砨薕檱諨攠莤艀鴹巊孎鱛螇颽緛蝆鑜鰡嫼媀蝐堣墹蝝蠰蝬蝺蜧摬鐅蝏媙鋻幁蝧鱯澵揥賱褞桳纒幥徣黱褖筬菨褉涅龘駳顤醏戭驧諆鴼**餦**瘯齨搣鯦艌 闦峓鞷螦鮴欨觬嵡袇禠嫀艀鵍騆賔寈蔎賐蝜抅焳섫湥箈跘殌欿푡腍浀潐甐籡耞鈗媃胊滐肗敓踚睙鼊媡鮾暣櫔觬潌熚酀籄曒傶鄵廍劆鄻鄥艩藙礩敽翐腷畭滛踕錽 誽秳詸欴搣挭媃淽鋿왉蘕跍頙蔴徣繠捖焵鋍兺疎頱緸誢誜瑐皘餢嵏銴蠠瞯闟飁閸膭囇餢矒廗麘鳯鞊糤聉軩髼顩碵緽擶頩簢幊緽闦യ飺**梊艀嬂魱**脼脧鬾軯駏軠靻駎駧騂 銽鞀蚥霥鯸譿鼊朢繴鷘鯭鬾薍葋魱黈鴼詽瞉軴轞魬鴡鴩睗獡螐禞徟晭鴅颽賝猒賔躗麘濐ն觘摡隦躘峲鋾葾暣竤磤曔躹॰畭喩闣靁禲曒竤殜焵鐅鐅۔聓颽掼脧鯳 擨譣噖踾觽媋犝嶌嶬嶱嶬蠌嶵嶫崲媙閚測嶭핪饇媋轜幦幈鷩儹廦簈萻彋燩盭耾敽憓惃懩惃隟憢僘惍蚐鐴攂톥榝撋撽嬜矈擛觪撋娷齝敼酙礶蚼娷衋靅曓暭櫐揅鑍矔樕 犝襓쒭齓幊嬔撎榟嘫篏慡樿槒儙樿埛慦夈夈膃誸ท艞篴蠌禐嶈愹撋悀靐歗龡欭阺瑷琿棢軗敼甊僬漗漶溿瀒跰溻籷甐踷滽溸瀊潂跰澥湆譠灂踍濏璖泦瀊娷淍懘滛滐淦 麆矘匫憳賱愅敒埄盀ᇢ懴鴘贕儹鴩湬燛椲禓獩遤靋騚嘫洤狯鷈鳿腤隌蹖睩瓲魬蔎瘯톶俖欔豂寏棎棎暣勴飍碿竬蜫皫嵤髩暤繟嫨峬蛫磩礏嵹磤謲鸖勮徥蹫蹘蛠搙隦 麜捸麘宻鶭薃瑡跾嵡畓瞏蘫梊햩蓔撆笡០篧鞂鞪嵡礗閍嵹樉搹閖姥浫瘱鎲拇歋胟詅頪榲詺斄耞繴諨痜鏬牃瑈鴼馰靁莗鮙蘦縍ඇ鞙黕氀聣頱搱獿胐龘瓽獥檊矔觬艕饄 醓薻躢曁薃繴篬ସ蕟蛓熋菶嵳橳駎藍荂梊蕱菗鞪茿薞稫褗梊莃灀荾蕔菗菾謸龆鎲餢蜧蜄銉炝蟌憈餶媘饂螇讘蜫頉擙牨鯼嫓敽鸄婸榲欳뾪褭裻駚袲瘣敽祒泍嬠壛麔攎 睴鲣鯎蒳頙謯扝硓疺踥攂筺諨衈詺霔秵橖噡猸賮貚黭彂崻椺鱌緵揥鶋踸痲浀掍駂滊暪觤鼡ແ嵣郼幆帺峸嶱幅胐匬潂筺陙郮鄸鄵鬾鴚턤氎觤椬玶郶鉖撌錏媎綊縍葤 誷捰鍆儹鮯禕礛捈覛滰猐鍡踘鯥抏猉询跲訽湁婰谽踍頱諊祒譮鋻鐅騽闎騣閳瞯閠闂閳飁賘霋鴤灩鞙愮睌鈓鱢瑡頱瑡緂籋篴艌艀馶駋馶駤驑馾駾駩騆歒跰駄蒢瓥鐅







鞂蒫嚝訤飶鮇魼鉟竎秵鈼詽魾魺鮕詴訽肷坲鶂覨鳹鴩裑誢鴢캁坲頢<mark>隓葼</mark>چ詓諮黕黖魠嶌釚旟傄儢獆餄匓鳨嚓嗕啛囇暟嚾蜫噿蜫噿啨燆嚂鐆擟摼黬鑏燘僼讗<u>慺鄟璔</u>蕯 땷疏蘊繆曒徻郼僁釳榟儹幥儶幱传獱灀箿壛ไ嬓糓礟鳵譺峲矈摓燣懴矲犕櫏襗椺摛祵槗鴤蘟摾銏囖檯轛遻掋糐凲欪瑻歼鮎燢濲溿濣濭菚濧潹滜濲洡凙瀩塛燱鳪餶鬒 撎煛睭籒鷡遦嫓礑觷桗籄譿聣瞺輷薍鱑鞃系艧鑦徸饡諨嬜畭嚾崅鄵熁嚋疄瑸噡璔頱翖磆邹鋛竱襧曒麆嘾鎍撎撧膧帺徾褬磆籂艞蕸竁篧鯳蘳箿篿鷩毰籖簊簊鮹魱蓚硓菋芧韼 翋鍄濥蔎蒫脧堣娰挕牔輌皩攑繉雂鴤爃緵摐賝鐅鵦嬔摢壐儹闎朑翲爈覠뺘欼觮稩媀觡臩犥矖桪薃薀鸄蒉躘湒蒕藃蕻蒞贕蕵稫賱薉葲眂逳譗轋薀燛氭菗萻蘒蔝賍萻嶈 蔙菶蓬蒤蓔敹蝐媥媀娾皫蠸蜔蟔礋緸錽悞螐蜫噟嫯糓嵞塦螶鱟鈭飍糓嚺儑摾櫏糥摖觡敒梉侺聣覵釯韚駁掋謘遚謑僓Џ捤鯼婎谖弿謍曑傓幈鏆挰摓糓穓昷寏嶐媙暟蝺諿 譲る錌逳筙睴楻撎遾垳騇騼藍瞉嶜骻儬欚趤跭齖跍趘兝鯎哵釸閊楺渂遖諚閖邎ջ髼宿汿郼緈踍媃趤禐頉顁莅搲鏬礷霯驙闂劆闎閵頪搹鐂躎梊雬虃靎梊躻軩軧軯鞝聤 辴欳頿蘛蜅ਡ輴婮椞媈娂婰穓鍻痑粴潊袝皷婈胅馶駚駴蚈糓褩騆臩騆糓駖歀颵髾鋫閍髼駥跍駎鱑酜翤軧餢銐쑵秼馻餢勀抐抩杊碵裐烑峲鴔姷梻鞩貀尳箮剘鴋雗雗 鼆麮駐魽嶡蠘耾跍趽齓鴌儙晠矆唩嚾嵺蒕喛琘驧嚠矐匿薍嘫棞湹耾톥腇敓欅嚠惃魱懩揗燫撪搲捀搲攠磤嬻嗘暣嘫懠搒摝愮撽禐憰焵ہ椬貇欭騇阺灇澝凙湰濽赮瀙聭 逹踷濪澿獇瀊儖囇燛儝懛螴痽曗鵣筃頉膌瀒臎遙鱑軞鐝孵傶偆闎儹儣岥黕盢皔瞺蘙礌*彏馿耾*媐搣庿裀涻箍頂莃梙蔍箰倿蒃蒫竷簢毊簲竴謣艆謯裫謯繟繘粂ے縅瞔鞰轗 齱闧劗靻騼儶鈱繠髼栥荾蚅盓甐銿笲苳馶陹虃黦麫齖蒫秿搹溤闣簘欨悞餇褈磤蟘媙蟕籅幈唨嶱繂螝鴭嬎兂羛嬓爘鯳嚁媬攋涻摾浫婐椺焵焵鰝誷藡臦皷腤 齱闧劗閗靻鵻曕鈱繠髼栥荾蚅盓甐銿庿\dfrac銴敽畓虃黦麫齖蒫秿搹溤闣簘欨悞餇褈磤蟘媙蟕籅幈唨曥繂螝鴭嬎瓧羛嬓爘鯳嚁媬膌涻摾浫捰椺焵鴚鰝晭簻皷腤腤趭鰪諪禐 閪矖闌暞帿鯺箿菒艧泊螴譿寷虣灹暍聏鷈螜梙崻篺醓郼簭擌轛墛闎晭迼μ걝騬駯騉蟝漿騂躹鞛騇翶樿碿鐅鴽鴑驣魊魽謯礆舑硾偑斔艞菝鴔럂觩溡雓紎觓鳨鳹鵛킍 闁鲄畭軥翧呝筙萴舑蘪蔶駗楏礛鉖毇郶鼪鼪鼨簓齕儞倿齓勯薍唨恏楏嚧壛輎謯儙閸孾嬻攋縍龗爜瀓惃揻摖鏂檱攌爈簝餣谞贕胐爘懓礘祒桋擽鞪雧孶膧懫椺歕腤毰攋 꿡湠漄糓灩鴋灆灁瀖툾澯贀慯怞萟爂廤樶槕毠獩甐蕸舽磤攂狊僴虘崻氞觬媀蜫竴鏧蝁礏擟儨髇簳簎箁蜸笝孈犘襐礑娷嬠媥皘尯幈蕠榸麔鵌藆羆賘糓翸雗薍軈譺鯣姷 矡暣鞀藙藡騬簅蘝蘟蓧頢蔖蠤龖र羐菿揱魱蕌萮蝢鰀廤鰇螛緾嶵蠋蒫鐅臌醓疄頉撎飶樻榟僴襘涻艌渀<u>軦憌糓輎搱嫓疧畞頉礑摡鐗抩捤謘ੀ牊濲蹅稩礏蚗ک</u>箳緫孂韱 趭竲萟摾頢霘灢錽朄蟘矖嵥嶉辴岁鄮賱凮虃搲諰諨搣ൌ鏹妰汦捦礉戊を靅逰缻溛竱埲斻赺짷畭魽鷿閛疄齍躗疄罧裻疉騺擑ዲ堢顤顡餶鱛輖蜔錭騹煡蕸碤腤膃躹騝忰 鱥眹鱢躵騉媀銺\dfrac竤蜫槂轁髺緊篗緊螤薂恏鮱窚瓧潊鰠繠汯蘳硣碒碤硢鉌峲汃闎粡劗奺眓剦喌峲鴚闎軐珃闎襉眮胐闎萷賍焨鲄飺哻軓跔窰篗鐅鯺妶氀鹋薲飶貁齨蔁 鏬鼁蠳歝懴礷嶑恴辥濔褬惼攓攓搼閊嬂錓摍櫷棳搲檖և憰欰欕嶈濝箥澬溭瀴躢鵆潊閖濥澰灀遬灇飁鸖棳犎蹪頺鏧瘷嫾豓麧礘竳礖篗禐膃踃諨齹疄閗穮腤碦鳱蘳葁薣 莦篗爯愮촒繢攎墑瘣銐硸膡兟籫磦棛雗蒮薼菗蘛愻颵鮬榺羐巭页嫍崰埣鑺蝬魽鳱倽を贙뜁瑻賱贕鮯謺鯑翖婮裭跔鋻樤矖楲睴贕髼遱靐郼鷕黤礗臩鴔濲緕徣渀稩嵞徾 碐跇趉旀詊逳諨撎潐絒彁錽摡磗葋渀汯踗湈滺筨闣闦闣賱鐅焇鵣詺髺顤鞀敹鵛閰碬嫒瘄頉摡鴡繂鞯梷驜晀燛驜馾騉馸澲鴑觤贕鬠鸄掔螁鋖硟錭蕸潊惈좱貀銿貀銊 郼飷軖竤鯥晿惃翖斻閊竤珬藡竤藡塖藡竤藡 釥剦軥郼ુુ媙鯯鯯鐗豿閖鄸閖駠躹豿絧篗鷘篗篗鄸黀龗蔍郼駖鶭阣譺豑胐胐胐餢鮯餢婜胐閰劅軵喖噡梙媙獶睸懴睸憣搲樠嬂懱嚁焵澅灜濍潪鵩濥羐艀傹媹灩痲 竤竤嫯鐅懴礑嚝繂峲鎲萿槾臱瘷矆۔寏雗籂諈蘳嵡簐濸篗菳嬜馸竤鯣鏫詺惃潊詺竤裓襘椂柛鬖鮼駂圚錽謺橸瞐焩膌愮崅鐅觘齫郼贕竤膭疺浵餢賱腤腤腤腤 鐬疶詥躩臞朢龗麡槉韚艆甐焵粷徰瘱鑋韅臩蜫馶蜤鐅賱竮嫯髼嫯賱艛鮱槒翴碒嵵襎恏柕膃刵熌楋鳨糓閗觓秇軓閗剈觓觓觓觓觓觓觓骪餤眂篗鷘蝺崻鷍泑餢篗摾駂蜦驜軇 鱑靌齥齹聫寷썦辴堳嚊觮堒嬕樿寲甐湽拇潪偖嶬儬眂楘湽嬂淐跲惃惄稧陹旚鳿搖麘媥礑惀聑膌籔濏鉟耾篗祒聫潉噳騇飁篗篗瓾蘣鎟荾黤鍓嶱曥騡歍嶶覾駋礖孂朣觤 讏羂鱑磆罁噑縺祶耾蔨躗崵嶈鄮撎蹫渞篗窏禶詸浀礛퓝粷韣峲銊聉簶爃黕縺韝鴼駂鱥臩馾樿馾テ鬖鮼蟧耾晄諪儙蘠緽酲粫鉟蕸縘佡髼贕踍凲顐刵衜猉誢詴汃甇鐅觤 觡魼贕飺晍覌睴奻鯸齳麳頿竁衦鴅箌奜濥龗搱嵷匶摾馾愮僾挳湈軎筨祒嘇遾鞪潣淉毦忦囇灠暣呭蒾諈誷粷顄鐅硄麠茢鋻硄嫃濿嬎睤傶裐觬袥炶媙謺灹藚髼踨爈鋖觤 竤湽譌踗虣됺彁娾鐅牙贙氎髼辧胟緰拹盕竤溬浵浵譺虣唥軓豘勭旚砃卾刐緰歀蚏惿甇鐅貥頺膌鞙鄵噾頺恏姕卾髰乪镻鍐崻寷傓鉳餢欱毠蕻孈廤濥珬桾愮瀗騺鴑潪愮戜 瓱朢砽禢湽鲄淿龗獀蒫抩輺禲雥膃贕樉ૂૂ滳篗躢鰎諨鱑嵞戏繗夈\dfrac譺龗恏襎轖藡膌굧艧撎闁睩頩膭汃鴚麲嘫峲翶闎薍荾鷕鐢髼髼鋻媙ઠ訠鴼滖頪鵆褠褬樻沬涱儹樧遃儬 蠘淭籫琩纒燗۔蠡綗뫗謺羐獔鰖濅鞱膌凙蘃濥崫詋汦飁浘躢詸泑擌鉖馸簲縘惄誷刢聑闎箌骴寉鑻鱢黋奻韹餇髜齹墛棴莃嘫摾稧躷蘃獆瘷렜兟禐觤颽礷坲劆髼趤鯦溡夈 ╡╘╧╛╓╥╖╟╫╢╙╨╜║═╔╗



#### ASN-B, b (0x62)

Mapping	CPI	Size	Height	Width	Description
DBCS	12.7		16	16	3374 Asian Characters

#### CHIN1, Q (0x51)

Mapping	CPI	Size	Height	Width	Comments/Description
	12.7		16	16	225 Chars (0x20 - 0xFF)
					0x20 - 0x7F Latin 0x80 - 0xFF Asian

坚自請除有故障阅读纸经已理器描阅未时间选试较无效彩盘不足所条形电!】 #\$ #& \$ - () \* + + - - / Ø123456789:; < => \*®ABCDEFGHIJKLMNOPQRSTUUWXYZ【\】 ^ - abcdef8hiJklmnopqrstuvoxyz堵塞充讯度一二人人三上口大小中五今內六户文日月主付代出功包四用日本任印百多知字存安年收行位作别育即投束度取确定或故林注表金按批重员料消除特动售密将帐得欲理规票终处设备规期数测发结问图开业当万置号试资预散体贴管银数数槽夹码编辑销编择操機输进头应总职额关¥-重接贝合式

## OCA1R, O(0x4F)x

Mapping	CPI	Size	Height	Width	Comments/Description
OCR-A ASCII digits subset	8.5		24	14	OCR-A Digits Only Rotated

#### OCRA1, O (0x4F)

Mapping	CPI	Size	Height	Width	Comments/Description
OCR-A subset	13.6		20	15	OCR-A 96 Chars (0x20 - 0x7F)

!"##%&'()\*+,--/0123456789:;<=>?@ABCDEFGHIJKLMNOP@RSTUVWXYZE\D∧Ydabcdefghij klmnopgrstuvwxyz{|}}∎

## OCR-A, ((0x28)

Mapping	CPI	Size	Height	Width	Comments/Description
OCR-A	10.7		31	19	OCR-A 192 Chars (0x20 - 0xE0

!"##%&'()\*+,--,/0123456789:;<=>?@ABCDEF6HIJKLMNOP@RSTUVWXYZE\D∧Ydabcdefghij klmnopqrstuvwxyz{|}}¶

# OCR-B, ) (0x29)

Mapping	CPI	Size	Height	Width	Comments/Description
OCR-B	10.7		31	19	OCR-B 220 Chars (0x20 - 0xFC)

!"#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\] ^'abcdefghijklmnopgrstuvwxyz{|}~+^Œ"=~£¤¥¦\$´`%AÆñöøüßä8æñöøü

#### SHJIS, c (0x63)

Mapping	CPI	Size	Height	Width	Comments/Description
Shift JIS	12.7		16	16	7000+ Japanese Characters







卪咰凬胊凬咰郮凬萷凮噡凬闎晭鵩氭闎圎阍睮胐馸忓牊炡賍肞盽桪埛祒祽偍阦埉膟⊄蜛胐礛晍멵騬敽憓爑疧鞩澯媃丮淎渏庝挳偍篺筪愘寍亩盚庝漞羐庯非粁羐 噾楏奯龒麘魕寣皾壅壼膄臩攠颽艝龤蝺皵郼軓勯敾軠軵黊鞷軡鵌鷝蜄輧蠎螩犩覾蟿犘霬桘訽頧斪蜅眮襭幈輖贕贕鴚贕鴚贕騚齳騚筪瀩嶉磦襧礛鎇軞詸 詂孨龤鈙鮯誗趤ձ鉡饠暓熋綤黬髸朢瑿鬥躢騆鷼鸖矖씓搹媀赲涷麬豑豑鴼惃챁皾敧鴼闎鄸韕駖駖聉醀騂ዬ瀺蘙鴼樶豑騦韄贕鵩躸聭螩賱躸贕 髟閠篣宒黳雸猆嶪鄨髾硻聄蕠黬髸朢瑿鬥躢騆鷼鸖矖씓搹媀赲聭魕軽쵎鵙勂盽됃甝鉐鉖缺觤緰椕魠嵡鮹耣鋓縃銿縃鼰欕潊繂鉩觘鐬鮱錋繺儙繱鱕觹雛鰀緶鯆鑉鰛欕 譺鯔黪觤蛬鱌羂鰪鱌蓵魕腄壳嘄鳮翵濿鳫駅鮲ሰ럐樉裓拹礉雡虼憱竧蜵幱齭鶰捌葋矈鳵踃鷴輷幆蜅鶽秿鵛鼀ձ鸐鳮豏鸍豧樆踃鰖鷑鰪橳馪鵽蘛鵣聓贎橳罿盀絾螴倠 睳竂篴酁噾叜簭羐趃恏殌蜫癴쩆棇跍鸊踄胐喖黕騇睗淮鵩麬鵩膹츙槪藮聑毰趤麬篗鼡瞺馯寊崗齓瞷閵卼惃閵碬矖礲襉龕雥寪憃橑潹墧溄閗

## THISO, j(0x6A)

Mapping	CPI	Size	Height	Width	Comments/Description
ISO 8859-11	20.4		27	10	219 Chars (0x20 - 0xFB)

## UN102, v (0x76)X

Mapping	CPI	Size	Height	Width	Comments/Description
Unicode	10.2		26	20	Chars from CP437 only except graphics characters

! "#\$%&'()\*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[ \]^\_'abcdefghijklmnopqrstuvwxyz{|}~i¢£¥₫≪¬°±²μ°♀≫¼½ċÄÂÆÇÉÑÖ Üβàáâäåæçèééëìíîïñòóôö÷ùúûüfΓΣΦΩαδεθπστφ⊓₧€°√∞ε≈≡≤≥ლՐJ

## UN204, u (0x75)X

Mapping	CPI	Size	Height	Width	Comments/Description
Unicode	20.4		27	10	Latin, Latin Supplement Extended A, Thai

#### UNICD, u (0x75)

Mapping	CPI	Size	Height	Width	Comments/Description
Unicode	20.4		27	10	Latin, Latin Supplement Extended A, Thai



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