

Provisional version

Product
Specifications for
Compact module
Kiosk Printer

NP-211

Revision 0.01 2004.07.30 Provisional version

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《Notice》	·All features and specifications described are subject to change without notice. ·Please contact us in case there is any wrong description or omission in this spec.
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Record of revision

Rev.	No.	Description			Approval	PIC
		Page	Item	Change		
0.01	-		New release (Provisional)			Abe 2004.07.30

Read Carefully Before Using the Printer

Wrong handling of the printer may cause its performance declined and the product damaged. Please read the notes below before handling.

1. Static discharge prevention must be made for installation and removal of the printer to protect IC and other electrical parts. Connect it to the earth ground. It is also requested to remove the static from body of the person before handling, especially, the input terminal.
2. Avoid excessive force to the input terminal for handling.
3. When any type of paper, other than specified in this manual, is used, it may cause deterioration of the print quality and thermal head reliability.

Examples of troubles

- 1) Print quality deterioration by using low sensitivity paper.
 - 2) Thermal head wears due to roughness of paper surface.
 - 3) Sticking between heat receipt layer and thermal head, and vibration noise during printing.
 - 4) Print ink disappears on low print durability paper.
 - 5) Electrolyte corrosion on thermal head due to low quality of heat receipt layer.
4. Avoid printing with no paper loaded. It damages platen and thermal head, printer life will be shorten.
 5. Do not scrabble thermal head with sharp edge or something hard, or give impact. The heat element may be damaged.
 6. Set the power of printer off before connecting or removing connectors.
 7. When printing in high speed under low temperature of high humidity environment, the paper may be stained by moisture that appears from paper, or the printer may have condensation. Avoid dew from dropping down to the thermal head that may cause electrolyte corrosion. Turn the power off until any dew is removed.
 8. The printer is not protected from water or dew formed. Do not water the printer or handle it with a wet hand, which may cause damage to the printer due to short circuit, or heat or fire.
 9. The printer is not protected from dust or dirt. If it is used at dusty place, the thermal head may be damaged or paper feed is not operated properly.
 10. When cooling the printer with a fan, avoid the printer's paper outlet from locating fan's air inlet. It may cause mal-function of printer.
 11. Reflection type of infrared ray sensors are used at some locations in the printer. Direct sun light may cause mal-function of printer. Avoid from such a location for installation.
 12. This printer does not support any operations caused by the commands or control commands not specified in this manual.
 13. Please use both hand to holding the printer.
 14. In order to prevent excess current, please put elemental device to external 24V power line (Please refer to the power supply specification for the details), and also put fuse.
 15. Please plug off the printer when you do not use the product for a long time. Please also insert paper between the platen.
 16. When paper jam occurred in the print head, please make sure to slowly remove the paper to paper exit direction after head up status.
 17. The product is designed to use with general electronic devices (Computer, PC, OA, others). This is not designed and not guaranteed to use with extremely high quality, high reliability product or product whose failure may danger human life (Atomic power control device, aerospace aircraft devices, Transportation devices, Traffic signal devices, Ignition control devices, Medical devices, other safety equipments: we call "Specific application" thereafter). Users take full responsibility for using with such specific application.
 18. The product uses part that includes GaAs (Gallium arsenide). Please do not break the product, no chemical splitting, otherwise it may harm human with such part broken pieces.

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1. Overview

1.1 Overview

The printer is categorized as following.

NP – 211- *
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①

① Interface (Factory setting)

R: Serial (RS232C)

U: USB (V2.0 FULL SPEED)

D: Both Serial (RS232C) and USB (V.2.0 FULL SPEED)

1.2 Features

This module printer is designed on the basis of our long experience as a printer manufacturer.

Individual unit such as printer mechanism, controller board and auto-cutter is assembled in compact with our reliable design concept.

Simple integration to the system requiring only power and data supplies, that contributes to the short development time and improvement of product reliability.

- 1) Important areas such as paper entrance and auto-cutter guide are designed professionally on the basis of our long experience as a printer manufacturer.
- 2) Small, compact and light weight. Easy to integrate into various kinds of system.
- 3) Short development time.
- 4) High quality of printing
- 5) Either serial or USB interface are available.
- 6) Various 1-D barcode symbols are available.
- 7) Various kinds of application are available.
- 8) Windows drivers (Windows95/98/NT4.0/2000/XP) are available.
- 9) Easy to write/rewrite F/W by using flash memory. Also, 3 patterns of registration are available with Fixed bit image.

1.3 Configuration (Under review)

The printer consists of the following components.

No.	Description	Specification	Part No.	Q'ty
1	Printer unit	NP-211-*	-	1
2	Thermal Paper	TF50KS-E2DW58xØ 30(Inner Ø12)	24-X129	1
3	Jack socket ※1	17L-003A3 (M2.6 x 0.45)	06-F102	2

※1 It is attached in R type and D type. Jack socket of the serial connector is for an inch screw.
Please use the attached M2.6 socket if necessary.

Options

No.	Description	Specification	Part No.	Q'ty
1	Near empty sensor	Factory option	-	(1)
2	AC adaptor	100V 91ADJ	18-R035	(1)
3	AC adaptor	120V 91ADU	18-R036	(1)
4	AC adaptor	230V 91ADE	18-R037	(1)
5	AC code set	JPN 1.5 m	30-353A	(1)
6	AC code set	UL (3P) 1.5 m	30-354A	(1)
7	AC code set	EU (Flat 2P) 1.5 m	30-355A	(1)

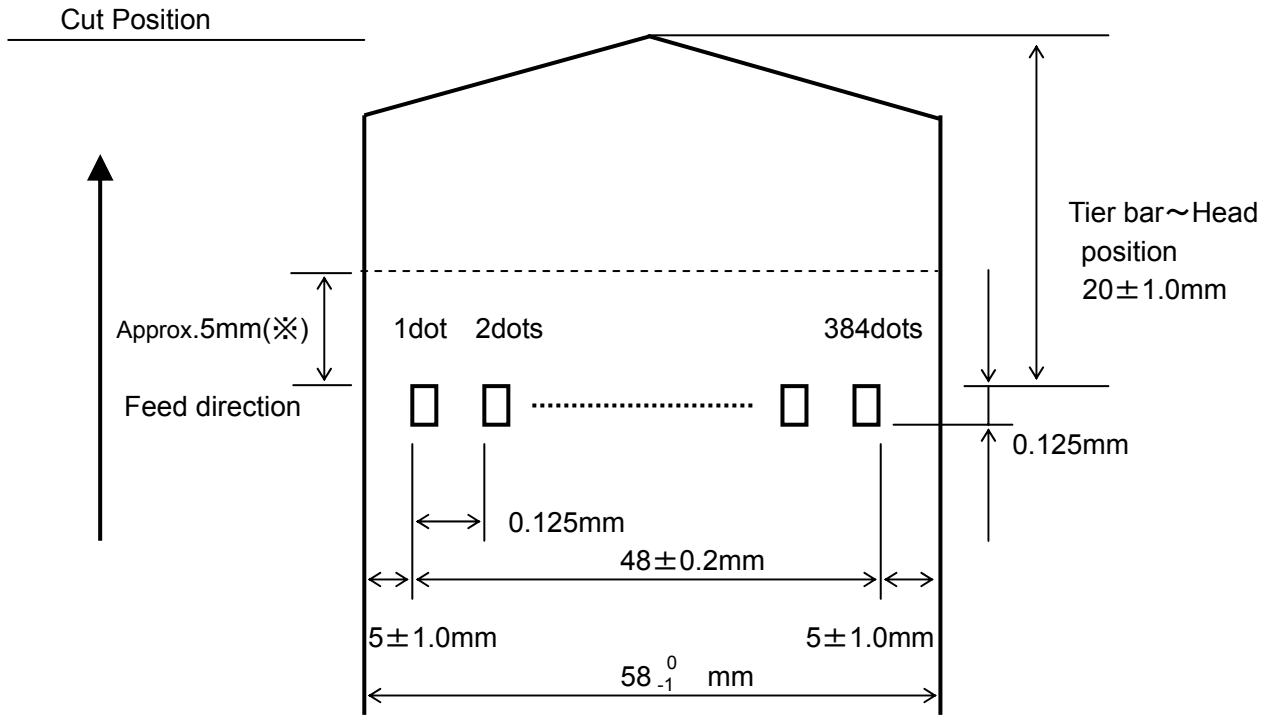
2. Specifications

2.1 Basic specifications

No.	Items	Specifications	
1	Print specs.	1. Print method	Line thermal dot
		2. Total dots / line	384 dots
		3. Dot density	8 dots / mm (203dpi)
		4. Print width	48mm
		5. Print speed (Max.)	Max.50 mm / sec
		Condition	Head temp. more than 35 °C/ 64 dots Except for communication time
		6. Print digits	
		Font A (12×24)	32 digits
		Font B (9×17)	42 digits
		Kanji (24 x 24)	16digits
2	Character specs.	7. Space between characters	Adjustable by command setting (Default figures)
		Font A	0 mm
		Font B	0 mm
		Kanji	0 mm
		8. Line feed pitch	0.125 mm
		1. Character size	
		Font A (12×24)	1.50×3.00 mm
		Font B (9×17)	1.13×2.13 mm
		Kanji(24 x 24)	3.00x3.00mm
		2. Character types	
Japanese	JIS C 6226 (Full size) Katakana character set (Half size) Extended Graphic character set (Half size) International character (Half size)		
3. Character modification	Double width		
	Vertical double		
	Quadruple		
	Bold		
	Double strike		
	Inverted		
	90°clockwise rotation		
	Underline		
4. Line spacing (Default)	4.25 mm (1/6 inch)		

No.	Items		Specifications
3	Print mode		ANK mode Bit image mode Barcode mode
4	Barcode specs	1. 1-D symbology	UPC-A UPC-E EAN-13 (JAN-13) EAN-8 (JAN-8) CODE39 ITF CODABAR CODE128
5	Interface	1. Serial	RS232c compliant
		2. USB	V2.0 FULL SPEED
6	cutter		Tier bar
7	Paper specs.	1. Paper width	58.0 mm
		2. Max. diameter	Ø70 mm
		3. Core diameter	The following core to be used. Inner Ø12mm / Outer Ø18mm No glue at the end of the roll
		4. Papers recommended	TF50KS-E2D (Nihon Seishi) ----- TF77KS-E2 (Nihon Seishi) ----- TL69KS-HG76 (Nihon Seishi)
8	Receiving buffer		Approx. 5K bytes
9	Environment	1: Operating Temp.	5- 45°C, Humidity 35 – 85%RH, No- condensation.
		2: Storage Temp.	-10 - 60°C Humidity 35-90%RH excluding paper discoloration.
		3: Enviroment in use	General Office Room.
10	Appearance	1: External dimension	84.0 (W) x 115.0(D) x 77.5(H) mm
		2: Weight	Approx. 400 g

2.2 Printing area and cut position



(※) There is a line at the approx. 5 mm from print position when cut.

2.3 Electrical conditions

1) Operating voltage : DC 8V – 13V

2) Current consumption Under review

	Current consumption
Printing average of 25%	Max. Approx. ** A
Printing average of 100%	Max. Approx. ** A

*1: A sufficient volume of power supply is required to maintain print quality due to high peak current that may run according to printing.

*2: If power supply cable is excessively long, the operation may become unstable. Cable should be made as short as possible. If not available, connect cables near the printer and place an electrolysis condenser of 2200 μ between power supply and ground. Voltage resistance should be higher than 35V.

*3: For preventing from static electric discharge, make sure to connect FG wire.

2.4 Reliability

1) Head life

Pulse : More than 100 million pulses (with 25% rated energy)

Wear distance : More than 50 km
(with recommended paper, normal temp. humidity)

2) Operation environment : Temperature 5 – 45°C, no condensation
Humidity 35 - 85%RH

3) Storage environment : Temperature -10 – 60°C
Humidity 35 - 90%RH

4) Safety regulation

CE marking (To be certified)

UL60950-1 (To be certified)

5) EMC

EMI : EN55022 (To be certified)

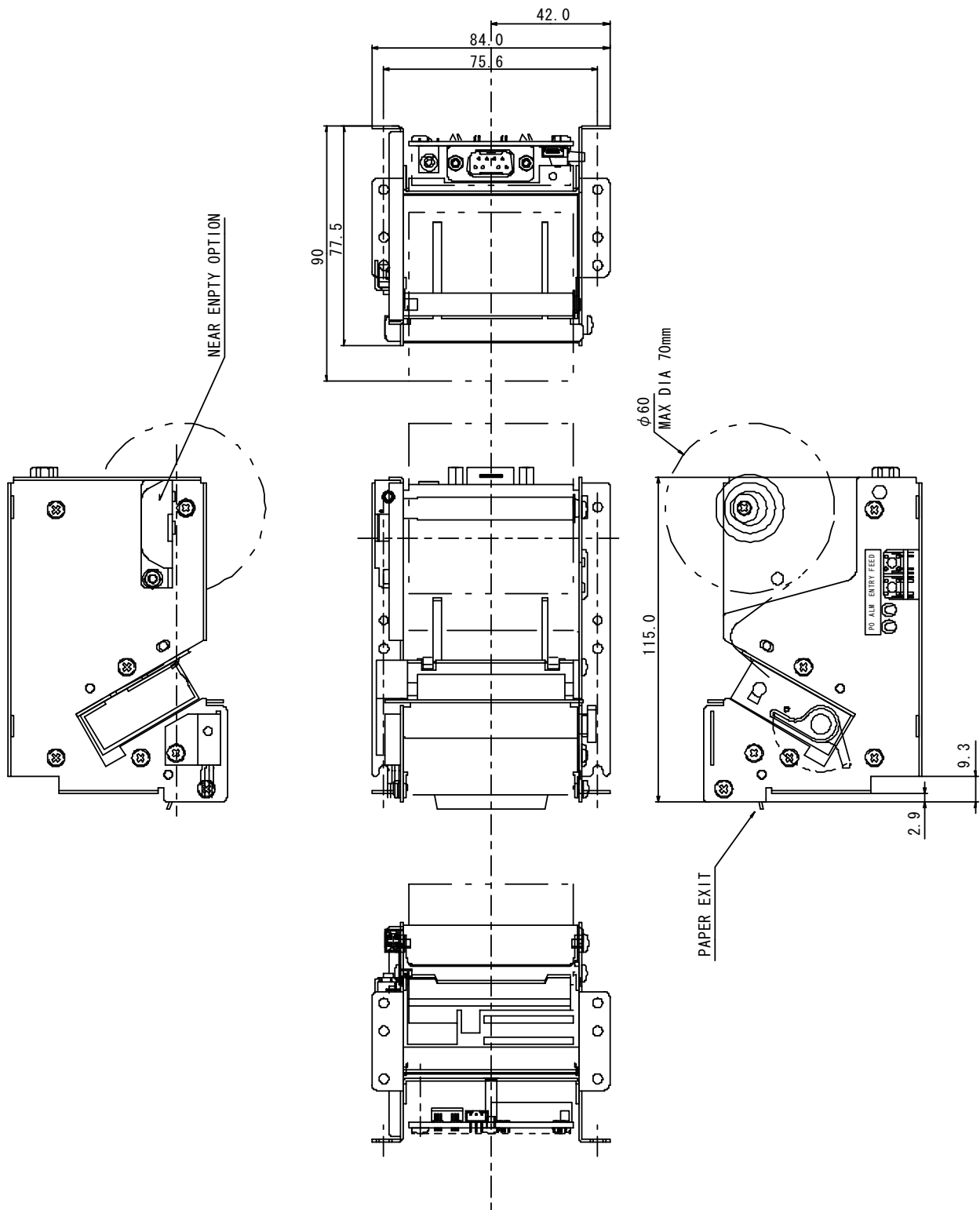
EMS : EN55024 (To be certified)

VCCI : Class A (To be certified)

FCC : Class A (To be certified)

6) USB compliant test (To be certified)

2.5 Dimensions



3. Interface specifications

3.1 Serial interface (RS-232C compliance)

- 1) Synchronization : Asynchronous
- 2) Transmission speed: 9600, 19200, 38400, 115200bps (user selectable)
- 3) A word consists of
 - Start bit : 1bit
 - Data bit : 7 or 8 bit (user selectable)
 - Parity bit : odd, even or no parity (user selectable)
 - Stop bit : more than 1 bit
- 4) Signal polarity
 - RS-232C
 - Mark = Logic "1" (-3V ~ -12V)
 - Space = Logic "0" (+3V ~ +12V)
- 5) Receive data (RD signal)
 - Mark = 1
 - Space = 0
- 6) Reception control (DTR signal)
 - Mark = Impossible to receive the data
 - Space = Possible to receive the data
- 7) Transmission control (CTS signal)
 - Mark = Impossible to transmit the data
 - Space = Possible to transmit the data
- 8) Transmission control (TD signal)
 - << DC1 >> [11] h code, XON : Possible to receive the data
 - << DC3 >> [13] h code, XOFF : Impossible to receive the data

3.2 USB interface (V2.0 FULL SPEED compliance)

- 1) Version : V2.0 FULL SPEED compliance (12Mbps)
- 2) Port : Upstream port (Mini-B 5P)
- 3) Power : Self powered

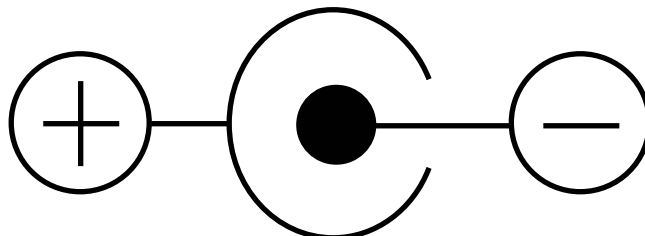
3.3 Connector signal table

1) Power Input connector

Printer side adaptor jack : MOJ-D14(lizuka electronic)equivalent

Printer side adaptor plug : PJ-2(Sato Parts)equivalent

Pin No.	Signal	In/Output	Function	Remark
+	VH	Input	PowerDC+8V - 13V	
-	GND	—	PowerGND	



※A sufficient volume of power supply is required to maintain print quality due to high peak current that may run according to printing.

※If power supply cable is excessively long, the operation may become unstable. Cable should be made as short as possible. If not available, connect cables near the printer and place an electrolysis condenser of 2200 μ between power supply and ground. Voltage resistance should be higher than 35V.

2) USB data Signal Input Connector (U type, D type)

Printer side connector : Mini-B 5P TCX0101-110100(Hosiden) or equivalent

Mating connector : Mini-B 5Por equivalent

Pin No.	Signal	In/Output	Function	Remark
1	VBUS	Input	Power line	Non-twist power supply line
2	D-	In/Output	Data line	Twist pair signal line
3	D+	In/Output	Data line	Twist pair signal line
4	N.C	—		
5	GND	—	GND	Non-twist power supply line
Shell	Shield	—	FG Frame GND	

※Use USB cable which conforms to the standard (FULL SPEED)

3) Serial data signal input connector (R type, D type)

Printer side connector: JEC-9S (JST) equivalent

Mating connector: JEC-9P (JST) equivalent

Pin No.	Signal	In/Output	Function	Remark
2	RXD	Input	Serial receive data	
3	TXD	Output	Serial transmit data	
4	DTR	Output	Data transmit permit signal	Connect to No.7
5	GND	-	GND for signal	
7	DTR	Output	Data transmit permit signal	Connect to No.4
8	CTS	Input	Transmit permit signal	
1,6,9	N.C	-		

4. Functions

4.1 Function setting

4.1.1 Memory switch S1

	Function	O N	OFF	Factory setting		
				R-type	U-type	D-type
S1-1	Interface	Serial	USB	O N	OFF	OFF
S1-2	Baud rate	Refer to the following table		OFF	OFF	OFF
S1-3				OFF	OFF	OFF
S1-4	Parity check	Yes	No	OFF	OFF	OFF
S1-5	Parity bit	Odd	Even	OFF	OFF	OFF
S1-6	Data bit	7 bit	8 bit	OFF	OFF	OFF
S1-7	Flow control	XON/XOFF	DTR/DSR	OFF	OFF	OFF
S1-8	Reserved			OFF	OFF	OFF

Baud rate

	9600bps	19200bps	38400bps	115200bps
S1-2	OFF	OFF	O N	O N
S1-3	OFF	O N	OFF	O N

4.1.2 Memory switch S2

	Function	O N	OFF	Factory setting		
				R-type	U-type	D-type
S2-1	Character set	Overseas	Domestic	OFF	OFF	OFF
S2-2	Japanese Kanji	Shift JIS	JIS	OFF	OFF	OFF
S2-3	Reserved			OFF	OFF	OFF
S2-4	Print density	Thick	Standard	OFF	OFF	OFF
S2-5	HEX DUMP	HEX DUMP	Normal	OFF	OFF	OFF
S2-6	Not defined			OFF	OFF	OFF
S2-7	Not defined			OFF	OFF	OFF
S2-8	Not defined			OFF	OFF	OFF

4.1.3 Rewriting Flash ROM

Please do the following procedure to rewrite a program in a Flash ROM. Send the program from the host, and turn off the power after confirming the ALM LED turns off completely.

1) Switch operation when rewriting the firmware program

Head up lever: Head up

Feed switch: ON (press)

Entry switch: OFF

Turn the power on, the ALM LED start flashing slowly, then release the feed switch.

2) Switch operation when rewriting boot program

Head up lever: Head up

Feed switch: ON (press)

Entry switch: ON (press)

Turn the power on, the ALM LED start flashing slowly, then release the feed and entry switch.

4.1.4 Setting of Memory switch

For setting or changing Memory switch, first load a roll of paper, then follow the below procedure for mode setting (1) and switch setting (2).

After completion of the settings, it automatically operate software reset. Please confirm the setting result by self print.

1) Mode setting

Head up lever: Head down

Feed switch: ON (press)

Entry switch: ON (press)

Then turn the power on, it print "*** MEMORY SW SETTING MODE ***". This is the setting mode. You may release the Feed and Entry switch.

2) Memory switch setting

Setting starts from Memory switch S1-1 to S1-8, and from S2-1 to S2-8.

After change to the SETTING MODE, the LED start flashing.

- Press Feed switch when the LED is on, memory switch setting is on, and the result will be printed.
- Press Feed switch when the LED is off, memory switch setting is off, and the result will be printed.

Please continue such setting 16 times to complete all the settings.

If you would like to cancel the setting in the middle, please head up and press the feed switch once, then head down.

If you change the setting when head up state, such change is not effective.

4.2 Self diagnostic print

1) By performing self-diagnostic print following items are checked.

- a) Proper function of control circuitry
- b) Proper function of printer mechanism
- c) Print quality
- d) Control F/W version
- e) Memory switch setting status
- f) Correct function of paper out sensor
- g) Head wide and head rank (automatically detected)

2) Start and end of self diagnostic print

Set the power on while pressing the FEED switch and release the FEED switch after the printer mechanism activates to start self-printing.

The self diagnostic print automatically ends when a preset number of characters are finished printing. While printing, the printer is in Off-line mode.

4.3 Operation panel

Operation switch is attached at the side of the printer.

1) PO (green) [Power lamp]

It is on when power is supplied to printer.

2) ALM(red) [Alarm lamp]

It will be on or flash when printer is in an error status.

It will be flash/on/ off when rewriting to the Flash ROM

3) ENTRY [Setting switch]

It is the switch when change the setting of memory switch.

It is used when rewriting to the Flash ROM.

4) FEED [Feed switch]

It is a feed switch for paper feed.

It is used when the memory switch setting mode, memory switch setting, rewriting to the Flash memory mode set, and self print.

4.4 Processing errors

1) Error detection details

Name	Status	232C status	ALM status	Removal
Comm. error	232C Comm. error Parity Overrun Flaming Data “?” print	-	-	Align comm.condition
Head up	Head up	1bit 1	On	Head up lever down
Paper end	No paper	2bit 1	On	Load paper
Head temp high	Over 80°C	3bit 1	Flash	Return normal with 60°C
Cutter cover open	Cutter cover open	5bit 1	Flash	Cutter cover close

When the above errors are detected except transmission error and paper near end error, printer stops all operations and outputs error signal.

In the case of serial interface:

Error bit in the status information is set to “ON”.

ALM pattern	Printer status
	Normal Possible to print
	Paper out Head up
	F/W rewrite mode
	Head temp. high (over 80 °C) Head connection error
	Cutter cover error

2) Return to normal status from error statuses

Remove causes of error statuses and turn the power on again or input the /INIT signal to return to normal. When this process is activated, at the time of power switch turned off, the printer will be initialized, so that settings are required again.

If data remains in the buffer, attention should be paid

4.5 Buffer full print

If there remains data in the buffer after one line of data is received, printer automatically prints preceding data. The volume of buffer full data varies depending on ASCII characters or bit images.

4.6 Auto loading

If you insert paper to the printer mechanism, paper will be automatically loaded. Please make sure to insert the paper properly so the sensor will detect the paper.

4.7 Partition drive – under review

5. Control commands

5.1 Control command table

	Control codes	Functions	Pages
1	HT	Horizontal tab	17
2	CR	Carriage return	17
3	LF	Print and line feed	17
4	FF	Page feed	17
5	ESC C n	Page length set for n lines	17
6	ESC SP n	Character right space set	17
7	ESC ! n	Print mode overall set	18
8	ESC % n	Down load character set/reset	18
9	ESC & s n m a Dn	Down load character definition	18
10	ESC * m n1 n2 Dn	Bit image mode set	21
11	ESC – n	Underline set/rest	23
12	ESC 2	1/6 inches line feed set	23
13	ESC 3 n	Smallest line feed pitch set	23
14	ESC @	Initialize printer	23
15	ESC D n1 n2 --- NUL	Set horizontal tab position	23
16	ESC E n	Bold print set/reset	24
17	ESC G n	Double strike print set/reset	24
18	ESC J n	Print and smallest pitch line feed	24
19	ESC R n	Select international character	24
20	ESC c 5 n	Feed switch enable/disable	25
21	ESC d n	Print and n line feed	25
22	ESC t n	Select character code table	25
23	ESC v	Send printer status	25
24	ESC { n	Inverted character set/reset	26
25	ESC V n	Character 90° clockwise rotation set/reset	26
26	ESC \$ n1 n2	Absolute position set	26
27	ESC ¥ n1 n2	Relative position set	26
28	GS k n Dn NUL	Barcode print	27
29	GS w n	Barcode width select	27
30	GS h n	Barcode height select	27
31	GS H n	HRI character print position select	27
32	GS f n	HRI character style select	28
33	GS * n1 n2 Dn	Download bit image define	28
34	GS / m	Download bit image print	29
35	ESC = n	Data input control	29
36	ESC a n	Position align	29
37	GS T n	Register Fixed bit image	30
38	GS P n	Print Fixed bit image	30
39	GS d Dn	FirmwareDownload	30
40	DC1	Software reset	30
41	GS ~ n	Print density set	30

	Control codes	Functions	Pages
42	FS ! n	Japanese Kanji overall print mode setting	31
43	FS &	Japanese Kanji mode setting	31
44	FS – n	Japanese Kanji underline set / reset	31
45	FS .	Japanese Kanji mode reset	31
46	FS C n	Japanese Kanji code select	32
47	FS S n1 n2	Japanese Kanji space setting	32
48	FS W n	Japanese Kanji Double height and width set / reset	32
49	ESC s n	Sending the printer information	32
50	GS :	Macro definition, start and end	33
51	GS ^ n1 n2 n3	Macro execution	33
52	GS B n	Black and white reverse print set / reset	33
53	ESC b n1 n2 n3 Dn	Raster bit image	34
54	FS 2 a1 a2 Dn	Definition additional character	35
55	ESC B n	Back feed	36

5.2 Printer driver

Please apply the driver stated below for using NP-211 under Windows environment. Refer to the User's Manual for a driver.

- 1) Windows 95/98: NII printer driver Windows 95/98, Version 1.00
- 2) Windows NT4.0: NII printer driver Windows NT4.0, Version 1.00
- 3) Windows 2000/XP: NII printer driver Windows 2000/XP, Version 1.00
- 4) Windows 2000/XP: NII printer driver Windows 2000/XP for USB, Version 1.00

5.3 Control command details

1) Horizontal tab : << HT >>

Code : [09] h

Shift the print position to the next horizontal tab position

* Horizontal tab position is set by [horizontal tab set] command.

* The default of horizontal tab position is every 8th character (9th digit, 17th digit, 25th digit) in font A.

* If the next tab position is not set, this command is ignored.

2) Carriage return : << CR >>

Code : [0D] h

This command is ignored.

3) Line feed : << LF >>

Code : [0A] h

Prints data stored in the input buffer and executes line feed according to data of feed pitch.

4) Page feed : << FF >>

Code : [0C] h

* Prints data in the print line buffer and executes page feed to the head of next page according to the page length in the setting.

5) "n" line page length setting : << ESC C n >>

Code : [1B] h + [43] h + n * [01≤n≤FF] h

Sets a page length for "n" lines with current line feed pitch.

* Position is set to the head of page

* Line pitch change after setting will not change page length.

* Default value for "n" is [42] h for 66 lines.

* If printer is initialized, the head of page is also initialized.

6) Setting right space of a character : << ESC SP n >>

Code : [1B] h + [20] h + n * [00≤n≤20] h

Sets the right space of a character by unit of dot (1/203 of an inch). In the case of double width mode, the space will be doubled. The default value of "n" is [00] h.

7) Overall print mode setting : << ESC ! n >>

Code : [1B] h + [21] h + n * [00≤n≤FF] h

Sets print mode. "n" has following meanings

Bit	Function	Values	
		0	1
0	Character font	Font A	Font B
1	Undefined	-	-
2	Undefined	-	-
3	Bold	Reset	Set
4	Double height	Reset	Set
5	Double width	Reset	Set
6	Undefined	-	-
7	Underline	Reset	Set

- * If double height and double width are set at the same time quadruple character will be formed.
- * All of the printed characters will be underlined except for the 90° rotated characters and spaces created by horizontal tab.
- * Underline width is determined by the value set in [Underline set/reset] section.
The default value is "1".
- * Only Bold is effective in Kanji mode.
- * Different sizes of character mixed such as double width and normal size can be printed.
- * The default value of "n" is [00] h.

8) Download characters set/reset : << ESC % n >>

Code : [1B] h + [25] h + n * [00≤n≤FF]h

Setting or resetting the characters to be downloaded.

* Only LSB (b0) is valid for "n" value. LSB (b0) has the following meanings.

b0	Function
0	Resets download character
1	Sets download character

* Default value is "n" = [00] h

9) Definition of download character : << ESC & s n m a Dn >>

Code : [1B] h + [26] h + s + n + m + a + Dn

* [s = 03] h

* [20≤n≤7E] h

* [20≤m≤7E] h

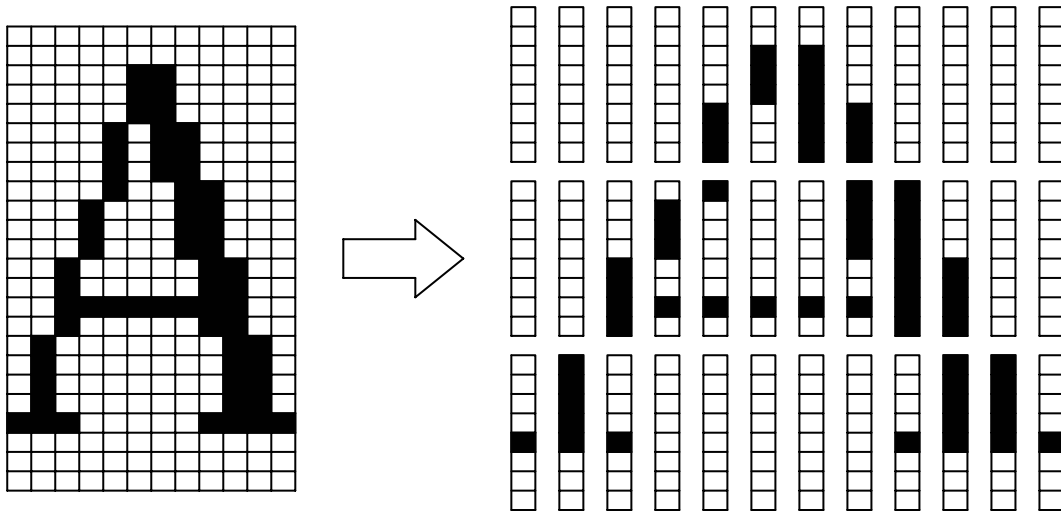
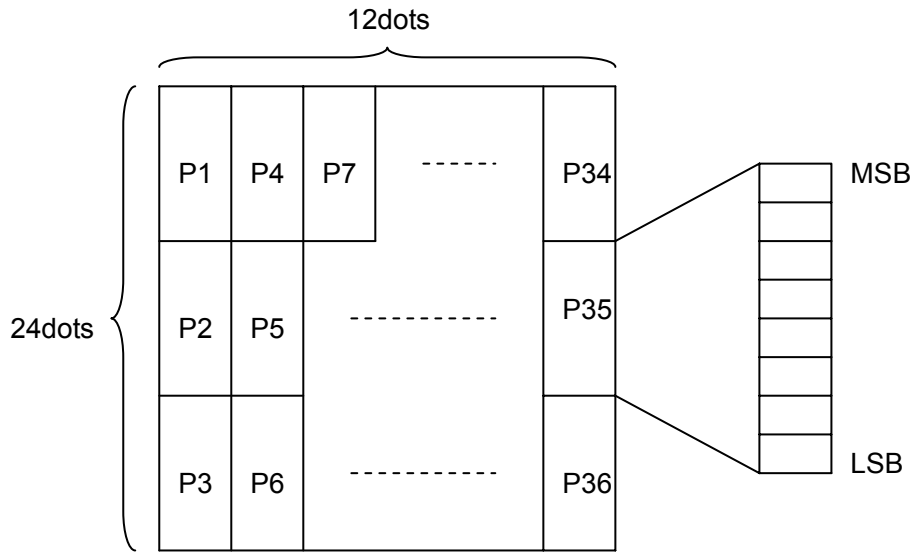
* font A [01≤a≤0C] h

* font B [01≤a≤09] h

Definition of download character(such as alpha numeric).

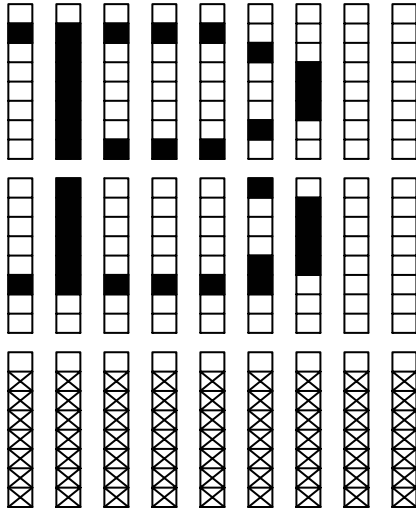
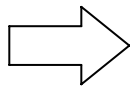
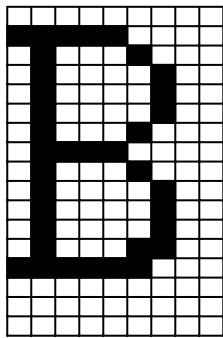
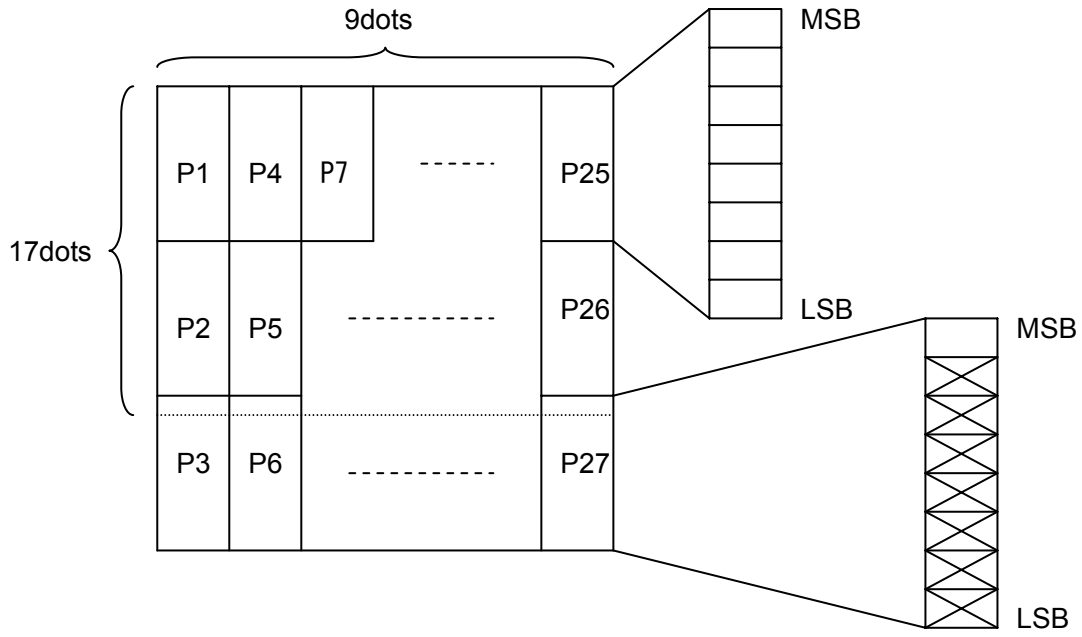
- * "s" indicates a number of bytes in a vertical direction and "a" is a number of dots in horizontal direction.
- * "n" indicates the start character code, and "m" means the end character code. If only 1 character should be defined, then n = m.
- * Definable characters are from <20>h to <7E>h in ASCII code (95 characters).
- * "Dn" indicates the data to be defined. It indicates the "a" dots pattern from the left. Remaining area on the right of a character is filled with spaces.
- * Once a download character is defined, it remains valid until the download character is redefined, printer is initialized, or the power is turned off.
- * Only area specified will be reset.

< Reference >
 In the case of Font A



P1= [00] h, P4= [00] h, P7= [00] h, P10= [00] h, ...
 P2= [00] h, P5= [00] h, P8= [0F] h, P11= [72] h, ...
 P3= [08] h, P6= [F8] h, P9= [08] h, P12= [00] h, ...

< Reference >
 In the case of Font B



P1= [40] h, P4= [7F] h, P7= [41] h, P10= [41] h, ...
 P2= [04] h, P5= [FC] h, P8= [04] h, P11= [04] h, ...
 P3= [00] h, P6= [00] h, P9= [00] h, P12= [00] h, ...

10) Bit image mode set : << ESC * m n1 n2 Dn >>

Code: [1B] h + [2A] h + m + n1 + n2 + Dn * [m = please refer to table below] h

* [00≤n1≤FF] h

* [00≤n2≤01] h

Data is printed in bit image by following the bit image mode specified by “m”.

* Print total dots divided by 256, quotient is n2 and remainder is n1.

* Total dots in bit image mode are n1 + (256 x n2).

* If the bit image input data exceeds specified position, the exceeded data will be disregarded.

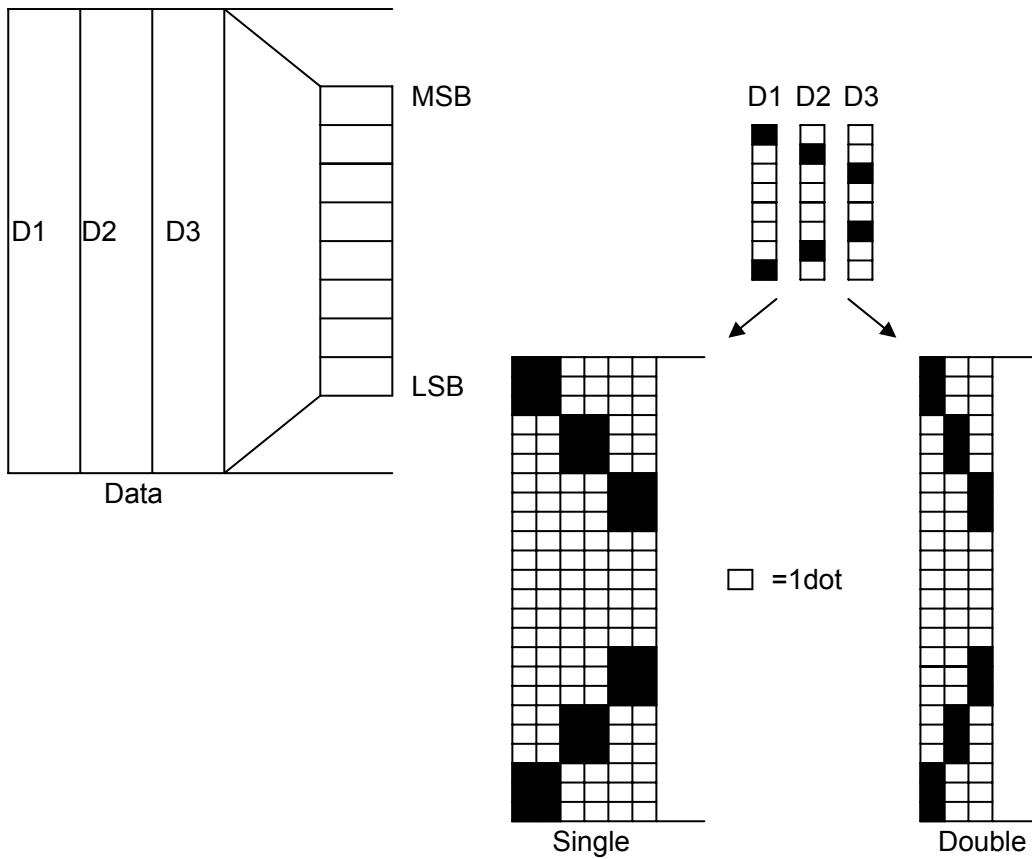
* Bit image data (Dn) interprets bit 1 as print and bit 0 as not print.

* Bit image mode is as indicated below.

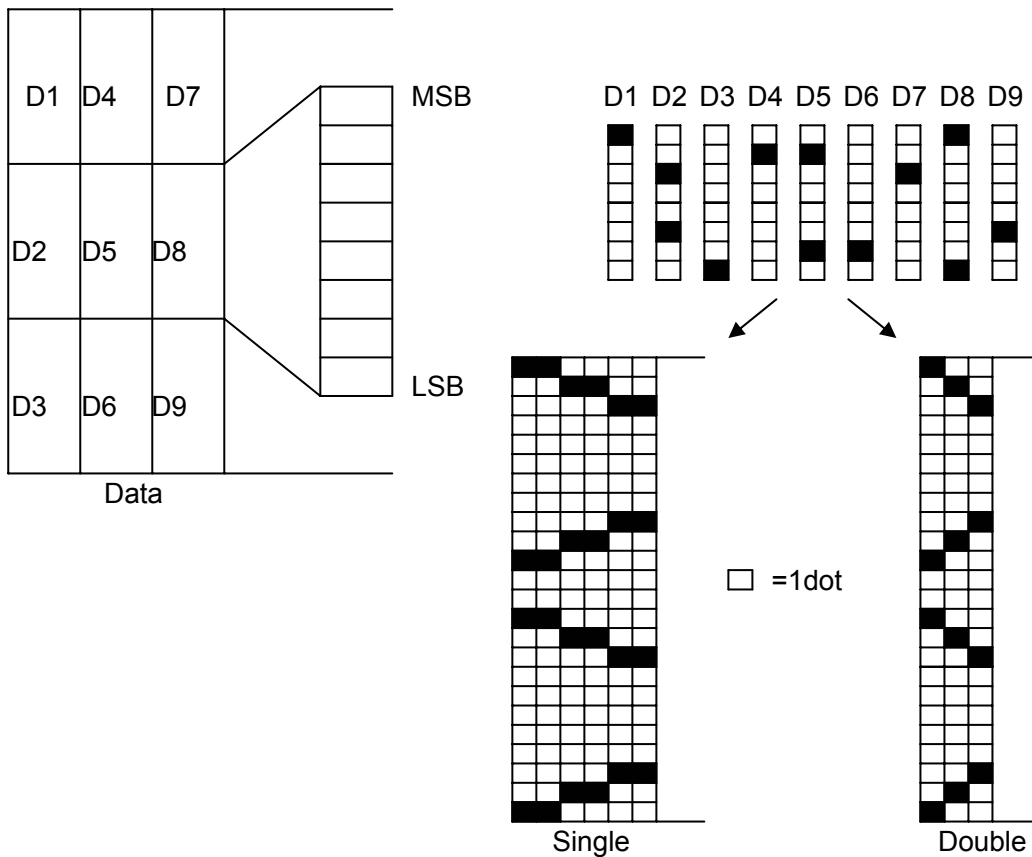
m (hex)	Bit image mode	Vertical direction		Horizontal direction	
		Dot quantity	Dot density	Dot density	Maximum dot number
00	8 dots single density	8	67DPI	101DPI	192
01	8 dots double density	8	67DPI	203DPI	384
20	24 dots single density	24	203DPI	101DPI	192
21,23	24 dots double density	24	203DPI	203DPI	384

< Relationship between bit image data and printed dots >

8dots bit image



24 dots bit image



11) Underline set/reset : << ESC - n >>

Code : [1B] h + [2D] h + n * [00 ≤ n ≤ 02] h

Sets and resets the underline

* Underline is valid for all characters except for the area skipped by horizontal tab.

* Also Underline is not valid for 90° rotated character.

* Underline is verified with n value as shown bellow.

n(hex)	Type of underlines
00	Reset underline
01	Set one dot underline
02	Set two dot underline

* Default value is "n" = [00] h

12) 1/6th of an inch line feed pitch : << ESC 2 >>

Code : [1B] h + [32] h

Sets one line feed to 1/6th of an inch.

13) Sets smallest pitch line feed : << ESC 3 n >>

Code : [1B] h + [33] h + n * [00 ≤ n ≤ FF] h

Sets a line feed pitch to n/203rd of an inch.

* Despite of height set by value, the same space with character height is sent by line feed.

* The default value of n is [22] h

* If n = [00] h is set, printer will not feed by pressing FEED button.

14) Printer initialization : << ESC @ >>

Code : [1B] h + [40] h

Clears the data stored in the print buffer and resets each setting to default values.

* It does not clear the data stored in the internal receive buffer.

* It is stored in the internal receive buffer and activated in sequential.

15) Horizontal tab position set : << ESC D n1 n2 --- NUL >>

Code : [1B] h + [44] h + n1 + n2 + --- + [00] h * [00 ≤ n ≤ FF] h

Sets the horizontal tab position

* "n" indicates the digits number from the left. In this case, n = tab position - 1.

* Tab position is set at the location of character width x n from the beginning of a line. The character width in this case includes character right space. When double width function is set, then the width becomes double of ordinary character.

* Maximum number of tab positions is 32. If setting exceeds 32, then the exceeded values are neglected.

* << ESC D NUL >> clears all tab positions being set. After the tab is cleared, horizontal tab will be ignored.

* Default value is set at every 8 characters of font A (at 9 th, 17th, 25th digit).

16) Bold print set/reset :<< ESC E n >>

Code : [1B] h + [45] h + n * [00≤ n ≤FF] h

Sets and resets the bold print

* "n" is only valid for LSB(b0)

* LSB (b0) is defined as following.

b0	Values
0	Resets bold print
1	Sets the bold print

* Print result may be deformed in case black and white reverse at bold print.

* Bold print and double strike results in the same on this printer.

* The default value of "n" is [00]h.

17) Double strike set/reset :<< ESC G n >>

Code : [1B] h + [47] h + n * [00≤n≤FF] h

Sets and resets the double strike function

* "n" is only valid for LSB (b0)

* Control by "n" is explained as following.

b0	Description
0	Resets double strike
1	Sets double strike

* Double strike and bold print result in the same on this printer.

* The default value of "n" is [00] h.

18) Print and smallest pitch line feed :<< ESC J n >>

Code : [1B] h + [4A] h + n * [00≤n≤FF] h

Prints the data in the print line buffer and feeds the paper by n/203rd of an inch.

* The height of character for a line is always sent by line feed. If the value of height is set by "n" below the height of character, the same space with character height is sent by line feed.

* Beginning of a line is a print start position.

19) International character select :<< ESC R n >>

Code : [1B] h + [52] h + n * [00≤n≤0A] h

Selects the international characters.

* The values of "n" have following meanings

n(Hex)	Character sets
00	U.S.A.
01	France
02	Germany
03	England
04	Denmark 1
05	Sweden
06	Italy
07	Spain
08	Japan
09	Norway
0A	Denmark 2

* Default value of "n" is [08] h.

20) FEED switch enable/disable :<< ESC c 5 n >>

Code : [1B] h + [63] h + [35] h + n * [00≤n≤FF] h

Changes the FEED switch valid or invalid.

* "n" is only valid for LSB (b0)

* "n" bit has a following meanings

b0	Description
0	enable FEED switch
1	disable FEED switch

* Default value of "n" is [00] h.

21) Print and "n" line feed :<< ESC d n >>

Code : [1B] h + [64] h + n * [00≤n≤FF] h

Prints the data in the print buffer and feeds paper by "n" lines.

* Beginning of a line is a print start position.

* If there is print data remained, line feed is activated for the same height of character.

22) Character code table select :<< ESC t n >>

Code : [1B] h + [74] h + n * [00≤n≤01] h

* "n" value has following meaning.

n(Hex)	character code table
00	Overseas character code table
01	Domestic character code table

* The default value of "n" is set with memory switch (S2-1).

23) Printer status transmission :<< ESC v >>

Code : [1B] h + [76] h

Sends current printer status

* Status to be transmitted consist of 1 byte and the content is explained in the chart below.

* Regarding DTR/DSR control, only one byte is transmitted after confirmation that the host is able to receive data, that is DSR signal is in SPACE status. For XON/OFF control, one byte is transmitted without confirmation of DSR signal status.

* For DTR/DSR control, if host is not in a receivable status, it waits until host can receive data.

bit	Functions	Value	
		0	1
0	Reserved		
1	platen open	normal	head open
2	paper end	paper present	no paper
3	head temp. abnormal	normal	Temp. abnormal
4	Undefined		
5	Cutter cover open	normal	Cutter cover open
6	Undefined		
7	Undefined		

* Make sure that command is issued before transmission of print data.
(commands are stored in the input buffer and executed sequentially)

* Reception is available except in the buffer full status.

* The commands above are valid only for serial interface.

24) Inverted character set and reset :<< ESC { n >>
 Code : [1B] h + [7B] h + n * [00≤n≤FF] h
 Sets or resets the inverted character function
 * "n" is only valid for the LSB (b0)
 * LSB (b0) has the following meaning

b0	Description
0	resets inverted character
1	sets inverted character

- * The command is only valid when it is assigned at the beginning of a line.
- * The default value of n is [00] h.

25) 90° clockwise rotated character set and reset :<< ESC V n >>
 Code : [1B] h + [56] h + n * [00≤n≤01] h
 Sets and resets 90° clockwise rotated character.
 * Underline cannot be assigned to the 90° clockwise rotated character.
 * "n" has the following meaning.

n(hex)	description
00	reset 90° rotated character
01	set 90° rotated character

- * Default value for "n" is [00] h.

26) Absolute position set :<< ESC \$ n1 n2 >>
 Code : [1B] h + [24] h + n1 + n2 * [00≤n1≤FF] h
 * [00≤n2≤01] h

- Print start position is assigned by dots in 1/203rd of inch from the beginning of line.
- * Divide the value of dot by 256, place quotient to n2, and remainder to n1.
 - * The print start position is n1 + n2 x 256 from top of the line.
 - * Setting which exceeds end of line is ignored.
 - * If the command is received in the middle of line, the current position is also valid.

27) Relative position set :<< ESC ¥ n1 n2 >>
 Code : [1B] h + [5C] h + n1 + n2 * [00≤n1≤FF] h
 * [00≤n2≤FF] h

- Print start position is assigned by dots from current position in unit of 1/203rd of inch.
- * Right direction is treated as plus and left as minus.
 - * For assigning N dots in minus direction (left), it will be: N dots = 65536 - N
 - * Divide dots by 256, quotient is n2 and remainder is n1.
 - * Assigning beyond the end of a line is neglected

28) Barcode print : << GS k n Dn NUL >>
 Code : [1D] h + [6B] h + n + Dn + [00] h * [00≤n≤07] h
 Selects barcode symbology and prints barcode.
 * The next print start position is on the line head
 * Select following barcode symbology with “n” value.
 * Dn indicates the character code to be printed.

n (Hex)	Barcode symbology
00	UPC-A
01	UPC-E
02	EAN-13 (JAN-13)
03	EAN-8 (JAN-8)
04	CODE 39
05	ITF
06	CODABAR(NW-7)
07	CODE128

* When there is data in the buffer this command is neglected.
 * If character code Dn is not a printable character, following data after Dn will be treated as normal data.
 * If the print character numbers are fixed in the barcode symbology the input character numbers should match to the print character numbers.
 * If horizontal data exceed one line, the exceeded data cannot be printed.

29) Barcode width size select : << GS w n >>
 Code : [1D] h + [77] h + n * [02≤n≤04] h
 Selects width of barcode
 * Default value of “n” is [03] h.

30) Barcode height select : << GS h n >>
 Code : [1D] h + [68] h + n * [01≤n≤FF] h
 Description : Selects barcode height
 * “n” shows the vertical dot number
 * Default value of “n” is 162([A2] h).

31) Select of HRI character print position : << GS H n >>
 Code : [1D] h + [48] h + n * [00≤n≤03] h
 Selects the print position of HRI characters in printing barcode.
 * “n” has the following meaning.

n (Hex)	Print position
00	No printing
01	Above barcode
02	Below barcode
03	Above and below barcode

* HRI characters are the characters selected by “HRI character style select”.
 * Default value of “n” is [00] h.

32) Select of HRI character style : << GS f n >>

Code : [1D] h + [66] h + n * [00≤n≤01] h

Selects HRI character style in printing barcode

* "n" has the following meanings:

n (hex)	Style
00	Font A
01	Font B

* Default value of "n" is [00] h.

33) Download bit image definition : << GS * n1 n2 Dn >>

Code : [1D] h + [2A] h + n1 + n2 + Dn * [01≤n1≤FF] h
 * [01≤n2≤30] h
 * [n1 x n2≤51F] h

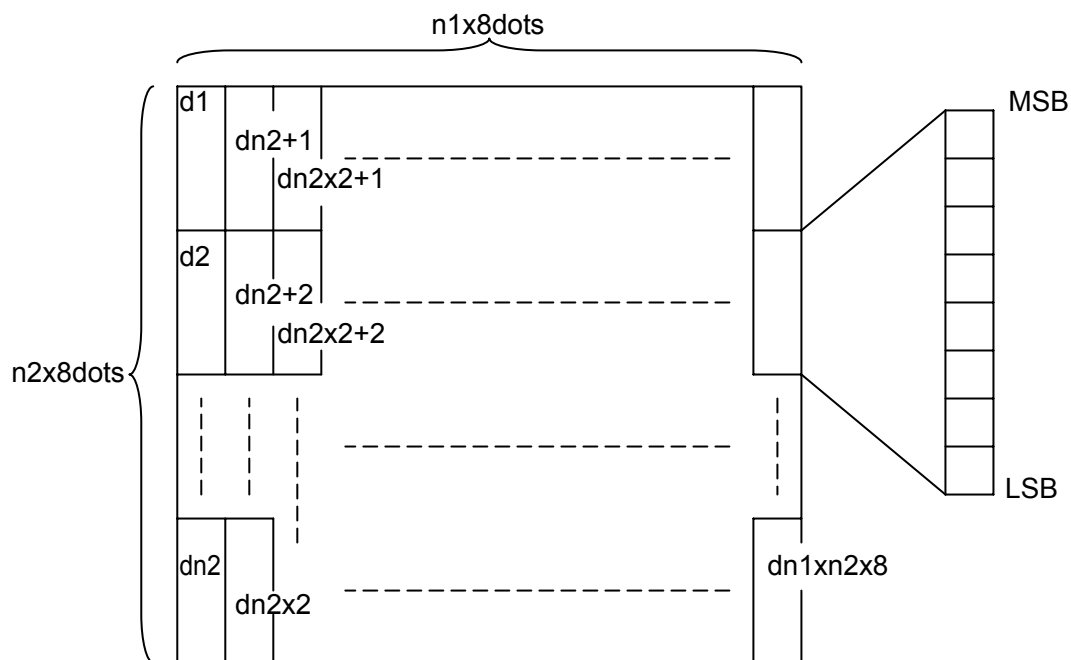
Defines "download bit image" of number of dots specified by n1 and n2.

* Horizontal dot numbers are obtained by n1 x 8 and vertical dot numbers by n2 x 8.

* Dn is bit image data.

* Once "download bit image" is defined, it is valid until it's redefined, download character is defined, external characters are specified, software is reset, power is set off .

* The relationship between bit image data & defined dots is shown below.



34) Download bit image print :<< GS / m >>

Code : < 1D >h + < 2F >h + m * [00≤m≤03] h

Description : Prints “download bit image” in a mode assigned by “m”.

* Modes to be assigned by m are as follows.

m	Modes	Dot density	
		Vertical	Horizontal
00	Normal mode	203 dpi	203 dpi
01	Double width	203 dpi	101 dpi
02	Vertical double	101 dpi	203 dpi
03	Quadruple	101 dpi	101 dpi

* If there are some data left in the print buffer, this command is neglected.

* If “download bit image” is not defined yet, this command is neglected.

* “Download bit image” data exceeding 1 line cannot be printed.

35) Data input control :<< ESC = n >>

Code : [1B] h + [3D] h + n * [00≤n≤FF] h

Description:Selects valid device where data input is possible through host computer.

* Each bit of “n” has the following meaning.

Bit	Function	Values	
		0	1
0	Printer	Invalid	Valid
1	Not defined		
2	Not defined		
3	Not defined		
4	Not defined		
5	Not defined		
6	Not defined		
7	Not defined		

* If printer is not in “no selection” status, printer will discard all received data until it is in the selection status by this command.

* Even if printer is in no selection status, the status may become BUSY by printer operation.

* The default value of “n” is [01] h.

36) Position align :<< ESC a n >>

Code : [1B] h + [61] h + n * [00≤n≤02] h

Aligns all data to be printed on the assigned position in a line.

(Fixed bit image is removed.)

* “n” values are assigned to:

n (Hex)	Position
00	Left
01	Center
02	Right

* This command is valid only when it is input at the head of a line.

* The default value of “n” is [00] h.

37) Register Fixed bit image : << GS T n >>

Code : [1D] h + [54] h + n

Register the predetermined bit image print data.

* It is possible to register from 0 to 2 different kinds of patterns (3 patterns).

* In each pattern, up to the maximum of 10cm length of bit image print data can be registered. The bit image print data exceeding the maximum length is neglected.

* The registered data is not erased when the power is set on or off or the printer is initialized.

* "n" has a following meanings.

n (hex)	Function
00	Start of pattern 0 registration
01	Start of pattern 1 registration
02	Start of pattern 2 registration
FF	End of registration

* When registrations started in the middle of a line, whole line is registered.

* When registration ended in the middle of a line, whole line is not registered.

* Following is a command sequence of pattern 0 registration.

GS T [00] h + (bit image data assigned by ESC *) x n lines + GS T [FF] h

38) Print Fixed bit image : << GS P n >>

Code : [1D] h + [50] h + n * [00≤n≤02] h

Prints the bit image print data registered.

* Selects one of the print pattern among three registered patterns by assigning 0 to 2 value to "n".

39) Firmware download : << GS d Dn >>

Code : [1D] h + [64] h + Dn

Download printer firmware in hexadecimal code and rewrite firmware according to the outcome.

* Dn is firmware's hex code which complies with INTELLEX Hex format.

40) Software reset : << DC1 >>

Code : [11] h

Restart the firmware as the same procedure as power on.

* This command is stored in the receive input buffer and activated in sequence.

Above means timing is different between command receive and execution

41) Print density set : << GS ~ n >>

Code : [1D] h + [7E] h + n * [41≤n≤87] h

Sets print density in the range between 65% ~ 135% of the standard value, S2-4 Off.

* "n" ranges from 41h(65%) to 87h(135%). However, set it for actual use in the range [41] h (65%) ≤ n ≤ [82] h (130%).

* At the initial status, 100% or 125% can be selected by the Memory switch, S2-4.

* This command has priority over the setting by Memory switch.

* This setting remain unchanged if execute an initialization.

42) Japanese Kanji overall print mode setting : << FS ! n >>
 Code : [1C] h + [21] h + n * [00≤n≤FF] h
 Set Japanese Kanji overall print mode.
 “n” has following meanings

Bit	Function	Values	
		0	1
0	Undefined	-	-
1	Undefined	-	-
2	Double width	Reset	Set
3	Double height	Reset	Set
4	Undefined	-	-
5	Undefined	-	-
6	Undefined	-	-
7	Underline	Reset	Set

- * If double height and double width are set at the same time quadruple character will be formed.
- * All of the printed characters will be underlined except for the 90° rotated characters and spaces created by horizontal tab.
- * Underline width is determined by the value set in [Underline set/reset] section.
The default value is “1”.
- * Different sizes of character mixed such as double width and normal size can be printed.
- * The default value of “n” is [00] h.

43) Japanese Kanji mode setting : << FS & >>
 Code : [1C] h + [26] h
 Set Japanese Kanji print mode
 * It is not effective when selected Shift JIS of Japanese Kanji.
 * Default is the reset of Japanese Kanji mode.

44) Japanese Kanji underline set/reset : << FS - n >>
 Code : [1C] h + [2D] h + n * [00≤n≤02] h
 Set / Rest underline of Japanese Kanji
 “n” has following meanings

n(hex)	Function
00	Reset underline of Japanese Kanji
01	Set 1 dot underline of Japanese Kanji
02	Set 2 dots underline of Japanese Kanji

- * All of the printed characters will be underlined except for the 90° rotated characters and spaces created by horizontal tab.
- * This command is effective only when select Japanese Kanji mode.
- * The default value of “n” is [00]h.

45) Japanese Kanji mode reset : << FS . >>
 Code : [1C] h + [2E] h
 Reset Japanese Kanji print mode
 * It is not effective when selected Shift JIS of Japanese Kanji.
 * Default is the reset of Japanese Kanji mode.

46) Japanese Kanji code select : << FS C n >>

Code : [1C] h + [43] h + n * [00≤n≤01] h

Select Japanese Kanji code

“n” has following meanings

n(hex)	Code
00	JIS code
01	Shift JIS code

* Default is the setting of S-2-2 in the Memory switch

47) Japanese Kanji space setting : << FS S n1 n2 >>

Code : [1C] h + [53] h + n1 + n2 * [00≤n1≤20] h

* [00≤n2≤20] h

Set side space of Japanese Kanji by dot unit

* n1 sets the left space. Default value is 0.

* n2 sets the right space. Default value is 0.

* Width of space will be double when selected double width.

48) Japanese Kanji Double height and width set / reset : << FS W n >>

Code : [1C] h + [57] h + n * [00≤n≤FF] h

Last bit (b0) of “n” is effective.

* Default value of “n” is [00] h.

* Last bit “b0” has following meanings

b0	Function
0	Reset double height and width
1	Set double height and width

49) Sending the printer information : << ESC s n >>

Code : [1B] h + [73] h + n * [n=02] h

Sending the printer information

* n has following meanings

n(hex)	Function
02	Printer model information

* This command is effective for serial RS232C interface.

Format sending back from the printer:

[FF] h + n (※1) + ASCII string (※2)

※1 n value defined by the command (= [02] h)

※2 Ended with Null (= [00] h)

50) Macro definition, start and end : << GS : >>

Code : [1D] h + [3A] h

Assigns Macro definition start and end. The size of data defined by Macro is up to 1,024 bytes. Exceeding to 1,024 byte cannot be defined.

- * Defined Macros cannot be cleared by "Printer initialization". Therefore "printer initialization" can be included in the Macro definition.
- * During the Macro definition, printing can proceed.
- * Once Macro is defined, the contents become effective until software is reset, power is set off.

51) Macro execution : << GS ^ n1 n2 n3 >>

Code : [1D] h + [5E] h + n1 + n2 + n3

- * [00≤n1≤FF] h
- * [00≤n2≤FF] h
- * [00≤n3≤01] h

Executes Macros being defined

- * The definitions of n1, n2 and n3 are:

n1 : times of Macro execution

n2 : wait time of Macro execution

At every execution, there is a wait time of n2 x 100msec.

n3 : Macro execution mode

n3 has a following meanings.

n3(hex)	Mode
00	Consecutive execution
01	Execution by FEED switch

- * Consecutive execution: Executes "n1" times with a wait time specified at n2.
- * FEED switch execute: After a time specified at n2, waits for PE LED blinks and the FEED switch depressed. After FEED switch is pressed, it executes Macro once. This action is repeated by n1 times.
- * If the printer receives this command during Macro definition, it stops Macro definition. If it occurs, defined Macros are cleared.
- * Nothing occurs if Macro is not defined or n1 = [00] h.
- * During Macro execution with n3 = [01] h, line feed by FEED switch is disabled.

52) Black and white reverse print set / reset : << GS B n >>

Code : [1D] h + [42] h + n

- * [00≤n≤FF] h

Sets and resets black and white reverse print.

- * "n" is available only for the least significant bit.

- * The least significant bit controls as follows:

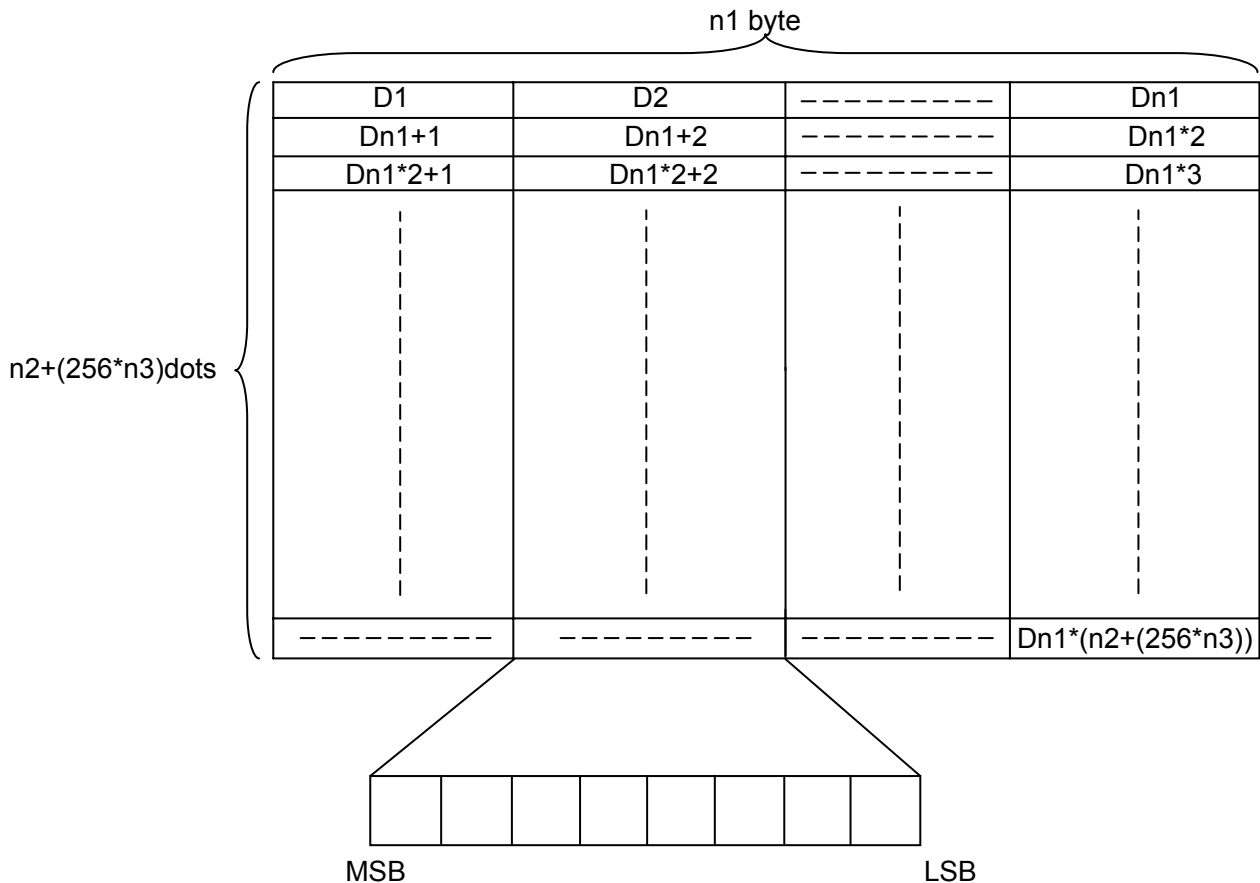
b0	Function
0	Resets black-white reverse printing
1	Sets black-white reverse printing

- * The characters incorporated and downloaded can be reverse printed.
- * The right side space of character set by [Set right space of a character] is also included for reverse print. However, it does not cover the skipped space made by bit image, download bit image, NV bit image, barcode, HRI characters, horizontal tab, specify absolute position, specify relative position.
- * It does not include the space between the lines.
- * Reverse print has a priority over "underline specified". If a character is reversed, the character is not underlined. However, the underline setting remains effective.
- * If "highlight" or "double strike" is set on the reverse print, the print may result in damages.
- * The default value of "n" is [00] h.

53) Raster bit image : << ESC b n1 n2 n3 Dn >>
 Code : [1B] h + [62] h + n1+ n2 + n3+ Dn * [01≤n1≤30] h
 * [01≤n2≤FF] h
 * [01≤n3≤FF] h

Data is printed in a raster bit image.

- * Dn is a raster bit image data.
- * The printer prints raster bit image of width n1 byte by height n2+(256*n3) dot lines.
- * The total byte of the requested raster bit image data (Dn) is n1*(n2+(256*n3)).
- * Raster bit image data (Dn) exceeding the printing field will be disregarded.
- * Raster bit image data (Dn) interprets bit"1" as print and bit"0" as not print.
- * Relation between raster bit image data (Dn) and printed dots are as follows.



- * Please add the command of << ESC J [00] h >> ([1B] h + [4A] h + [00] h) at the end.
- * If you send this command consecutively, please add << ESC J n >> (n≠ [00] h) at the end of each image, and add the << ESC J [00] h >> at the very end of the image.

54) Definition of additional characters : << FS 2 a1 a2 Dn >>

Code : [1C] h + [32] h + a1 + a2 + Dn

JIS Code * [a1=77] h

* [21≤a2≤7E] h

Shift JIS Code * [a1=EC] h

* [40≤a2≤7E, 80≤a2≤9E] h

Definition of additional Kanji characters

* Definition of up to 94 characters available.

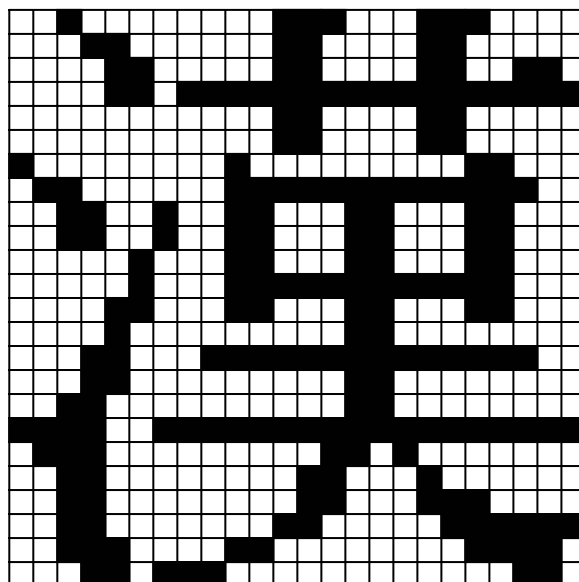
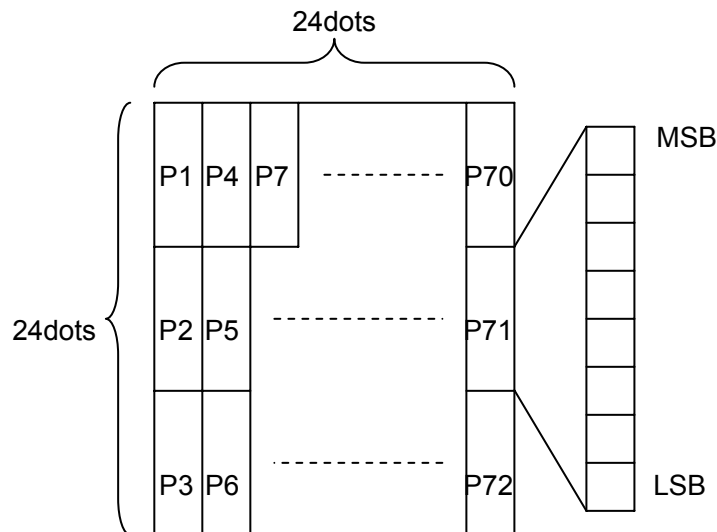
* Dn is the data to be defined. Data will be 3 byte(vertical) x 24 dot(horizontal) =72 byte.

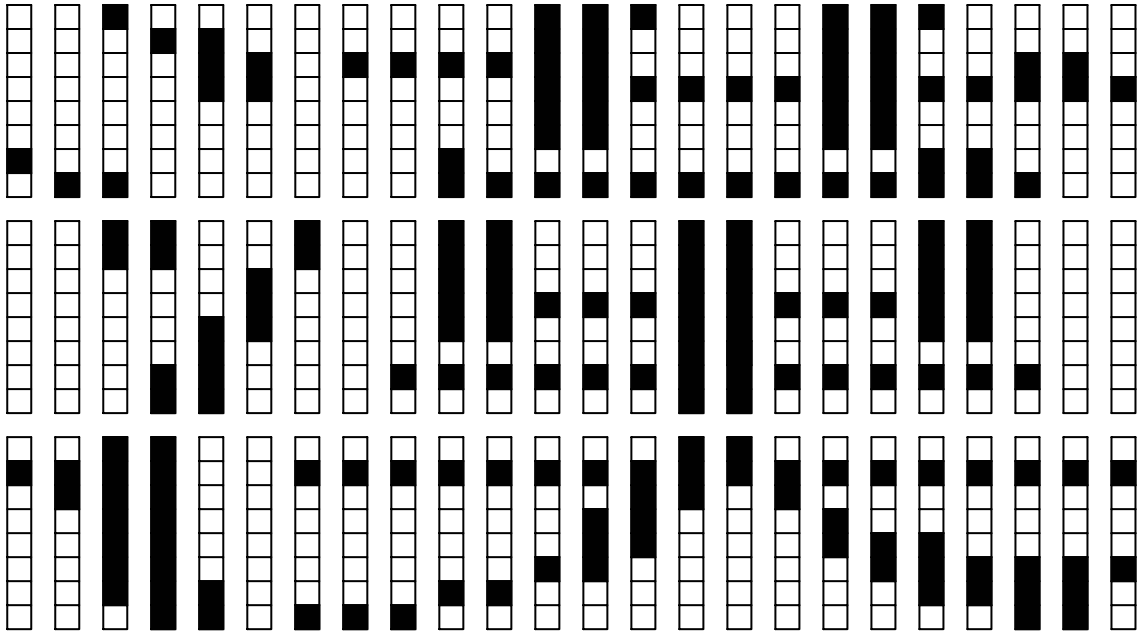
* The default status is "space"

* Once defined by command, it will be effective until execution of [Soft reset], power off.

• Only specified area will be redefined.

<Example>





P1= [02] h, P4= [01] h, P7= [81] h, P10= [40] h, P13= [70] h, P16= [30] h, ...
P2= [00] h, P5= [00] h, P8= [C0] h, P11= [C3] h, P14= [0F] h, P17= [38] h, ...
P3= [40] h, P6= [60] h, P9= [FE] h, P12= [FF] h, P15= [03] h, P18= [00] h, ...

55) Back feed : << ESC B n >>

Code : [1B] h + [42] h + n * [00≤n≤FF] h

Feed the paper backward.

* Paper feed amount is specified by n dot line.

* Paper is not fed backward when [00]h is set.

* If this command is used for many times, paper may be jammed. To avoid this problem, enter only once and feed paper in the forward direction.

* Double strike print is available by using this command.

* Considering the backlash, there may be a gap of printing.

* When data remains in the print line buffer, it first prints data, then back feeds.

6. Character code table

6.1 Domestic character code table (International character set: Japan)

	HEX	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
HEX	BIN	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
0	0000	NUL		SP	0	@	P	`	p	—	⊥	SP	一	夕	ミ	=	×
1	0001		DC1	!	1	A	Q	a	q	—	⊥	。	ア	チ	ム	ト	円
2	0010			”	2	B	R	b	r	—	⊥	「	イ	ツ	メ	≠	年
3	0011		DC3	#	3	C	S	c	s	—	⊥	」	ウ	テ	モ	≠	月
4	0100			\$	4	D	T	d	t	—	⊥	、	エ	ト	ヤ	▲	日
5	0101			%	5	E	U	e	u	—	⊥	・	オ	ナ	ユ	▲	時
6	0110			&	6	F	V	f	v	—	⊥	ヲ	カ	ニ	ヨ	▲	分
7	0111			'	7	G	W	g	w	—	⊥	ア	キ	ヌ	ラ	▲	秒
8	1000			(	8	H	X	h	x	—	⊥	イ	ク	ネ	リ	♠	〒
9	1001	HT		)	9	I	Y	i	y	—	⊥	ウ	ケ	ノ	ル	♥	市
A	1010	LF		*	:	J	Z	j	z	—	⊥	エ	コ	ハ	レ	♦	区
B	1011		ESC	+	;	K	[	k	{	—	⊥	オ	サ	ヒ	ロ	♣	町
C	1100	FF	FS	,	<	L	¥	l	l	—	⊥	ヤ	シ	フ	ワ	●	村
D	1101	CR	GS	—	=	M	]	m	}	—	⊥	ユ	ス	ヘ	ン	○	人
E	1110			.	>	N	^	n	~	—	⊥	ヨ	セ	ホ	ゝ	/	■
F	1111			/	?	O	_	o	SP	+	ゝ	ッ	ソ	マ	°	\	SP

* [SP] indicates "space".

* [CR] is neglected.

* Printer operation cannot be guaranteed if the blank control code (codes below [1F] h) is transmitted to printer.

* This code table indicates simplified symbol and is not print result. There may be a different result between the code table and print result.

6.2 Overseas character code table (International character set: U.S.A)

	HEX	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
HEX	BIN	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
0	0000	NUL		SP	0	@	P	`	p	€	É	á	☐	┌	≡	α	≡
1	0001		DC1	!	1	A	Q	a	q	ü	æ	í	☐	┐	≡	β	±
2	0010			”	2	B	R	b	r	é	Æ	ó	☐	└	≡	Γ	≤
3	0011		DC3	#	3	C	S	c	s	â	ô	ú	|	┘	≡	π	≥
4	0100			\$	4	D	T	d	t	ä	ö	ñ	┘	—	≡	Σ	∩
5	0101			%	5	E	U	e	u	à	ò	Ñ	≡	+	≡	F	σ
6	0110			&	6	F	V	f	v	â	û	ä	≡	≡	≡	μ	÷
7	0111			'	7	G	W	g	w	ç	ù	ø	≡	≡	≡	τ	≈
8	1000			(	8	H	X	h	x	ê	ÿ	ÿ	≡	≡	≡	φ	°
9	1001	HT		)	9	I	Y	i	y	ë	Ö	∟	≡	≡	≡	θ	•
A	1010	LF		*	:	J	Z	j	z	è	Ü	∟	≡	≡	≡	Ω	•
B	1011		ESC	+	;	K	[	k	{	ï	©	½	≡	≡	■	δ	√
C	1100	FF	FS	,	<	L	\	|	|	î	£	¼	≡	≡	■	∞	ⁿ
D	1101	CR	GS	-	=	M	]	m	}	ì	¥	ì	≡	≡	■	φ	²
E	1110			.	>	N	^	n	~	Ä	£	«	≡	≡	■	ε	■
F	1111			/	?	O	_	o	SP	À	f	»	∟	≡	■	∩	SP

- * [SP] indicates "space".
- * [CR] is neglected.
- * Printer operation cannot be guaranteed if the blank control code (codes below [1F] h) is transmitted to printer.
- * This code table indicates simplified symbol and is not print result. There may be a different result between the code table and print result

6.3 International character code table

n	Character set	23h	24h	40h	5Bh	5Ch	5Dh	5Eh	60h	7Bh	7Ch	7Dh	7Eh
00h	U. S. A	#	\$	@	[	\	\]	^	`	{	|	}	~
01h	France	#	\$	à	°	ç	§	^	`	é	ù	è	**
02h	Germany	#	\$	§	Ä	Ö	Ü	^	`	ä	ö	ü	β
03h	U. K.	£	\$	@	[	\	\]	^	`	{	|	}	~
04h	Denmark1	#	\$	@	Æ	Ø	À	^	`	æ	ø	á	~
05h	Sweden	#	☒	É	Ä	Ö	À	Ü	é	ä	ö	á	ü
06h	Italy	#	\$	@	°	\	é	^	ù	à	Ò	è	ì
07h	Spain	£	\$	@	ì	Ñ	ÿ	^	`	**	ñ	}	~
08h	Japan	#	\$	@	[	¥	]	^	`	{	|	}	~
09h	Norway	#	☒	É	Æ	Ø	À	Ü	é	æ	ø	á	ü
0Ah	Denmark2	#	\$	É	Æ	Ø	À	Ü	é	æ	ø	á	ü

- * This code table indicates simplified symbol and is not print result. There may be a different result between the code table and print result

6. 4 Kanji code

	ソフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
記号	813F 814F 815F 816F 8180 8190 819E 81AE 81BE 81CE 81DE 81EE 823F 824F	2120 2130 2140 2150 2160 2170 2220 2230 2240 2250 2260 2270 2320 2330	SP ^ /	~ {| ÷ \$	— || | =	° | < ≠	、 … 《 >	・ … 》 ≦	・ ’ 「 ≧	∴ ” 」 ∞	∴ 全 『 ∴	？ 々 ” 』 ♂	！ × （ 【 ♀	° ○ ） 】 °	° — 〔 +	’ — 〕 —	、 — [±	” [± °C	” / × ¥
英字	825F 826F 8280 8290	2340 2350 2360 2370	P	A Q a q	B R b r	C S c s	D T d t	E U e u	F V f v	G W g w	H X h x	I Y i y	J Z j z	K	L	M	N	O	
ひらがな	829E 82AE 82BE 82CE 82DE 82EE	2420 2430 2440 2450 2460 2470	ぐ だ ば む ゐ	あ け ち ば め ゑ	あ げ ち び ひ も を	い こ っ び ゃ ん	い ご っ び ゃ う	う さ づ ぶ ゆ	う ぎ て ぶ ゆ	え し で ぶ よ	え じ と へ よ	お す ど べ ら	お ず な べ り	か せ に ほ る	が ぜ ぬ ぼ れ	き そ ね ぼ ろ	ぎ ぞ の ま わ	く た は み わ	
カタカナ	833F 834F 835F 836F 8380 8390	2520 2530 2540 2550 2560 2570	グ ダ バ ム ヰ	ア ケ チ パ メ ヱ	ア ゲ ヂ ヒ モ ヲ	イ コ ッ ビ ャ ン	イ ゴ ツ ピ ヤ ヴ	ウ サ ヅ フ ユ カ	ウ ザ テ ブ ユ ケ	エ シ デ プ ヨ	エ ジ ト ヘ ヨ	オ ス ド ベ ラ	オ ズ ナ ペ リ	カ セ ニ ホ ル	ガ ゼ ヌ ボ レ	キ ソ ネ ポ ロ	ギ ゾ ノ マ ワ	ク タ ハ ミ ワ	
ギリシャ	839E 83AE 83BE 83CE	2620 2630 2640 2650	Π π	P α ρ	B Σ β σ	Γ Υ δ υ	Δ Υ δ υ	E Φ ε φ	Z Χ ζ χ	H Ψ η ψ	Θ Ω θ ω	I ι κ λ	K κ λ	Λ λ	M μ	N ν	Ξ ξ	O ο	
記号	83DE 83EE	2660 2670	|| —	∫ —	= ^	— ∨	∴ ≧	∴ ≧	| | —	| | —	≡ ≡	≡ ≡	( )	( )	∩ ∩	∩ ∩	∩ ∩	∩ ∩	
ロシア	843F 844F 845F 846F 8480 8490	2720 2730 2740 2750 2760 2770	О Ю	П Я	Р р	В в	Г г	Д д	Е е	Ё ё	Ж ж	З з	И и	Й й	К к	Л л	М м	Н н	
記号	849E 84AE 84BE 84CE	2820 2830 2840 2850	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	┌ ┐	
	ソフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	

**"2120" : Not defined , "2121" : "space"

*This code table indicates simplified symbol and is not print result. There may be a different result between the code table and print result

	ソト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		
記号	84DE 84EE	2860 2870	、 イ	。 ウ	、 エ	、 オ	丨 ヤ	あ ユ	い ヨ	う ツ	え ワ	お カ	や ケ	ゆ	よ	つ	わ	ア		
あ	889E 88AE 88BE	3020 3030 3040	旭 粟	亜 葦 裕	啞 芦 安	娃 繆 庵	阿 梓 按	哀 庄 暗	愛 幹 案	挨 扱 闇	始 宛 鞍	逢 姐 杏	葵 虻	茜 飴	穉 綯	惡 綾	握 鮎	渥 或		
い	88BE 88CE 88DE 88EE 893F	3040 3050 3060 3070 3120	夷 菱 稻	委 衣 茨 院	威 謂 芋 陰	尉 違 綳 隱	惟 遺 允 韻	意 医 印 吋	慰 井 咽	易 亥 員	椅 域 因	為 育 姻	以 畏 郁 引	伊 異 磯 飲	位 移 一 淫	依 維 吉 胤	偉 緯 溢 蔭	困 胃 逸		
う	893F 894F 895F	3120 3130 3140	碓 雲	臼	渦	嘘	唄	鬱	右 蔚	宇 鰻	烏 姥	羽 厩	迂 浦	雨 瓜	卯 閏	鶉 樽	窺 云	丑 運		
え	895F 896F 8980 8990	3140 3150 3160 3170	穎 園 艷	荏 英 堰 苑	餌 衛 奄 園	叡 詠 宴 遠	宮 銳 延 鉛	嬰 液 怨 鴛	影 疫 掩 塩	映 益 援	曳 馱 沿	栄 悦 演	永 謁 炎	泳 越 焰	洩 閏 煙	瑛 榎 燕	盈 厭 猿	穎 円 縁		
お	8990 899E 89AE	3170 3220 3230	屋	押 憶	旺 臆	横 桶	欧 牡	殴 乙	王 俺	於 翁 卸	汚 襖 恩	甥 鶯 温	凹 鷗 穩	央 黄 音	奥 岡	往 沖	応 荻	億		
か	89AE 89BE 89CE 89DE 89EE 8A3F 8A4F 8A5F 8A6F 8A80 8A90 8A9E 8AAE 8ABE 8ACE 8ADE	3230 3240 3250 3260 3270 3320 3330 3340 3350 3360 3370 3420 3430 3440 3450 3460	伽 火 迦 介	伽 珂 過 会 魁	佳 禍 霞 解 晦 害 蠣 赫 鱒 樺 刈 寬 澗 諫 癩	加 禾 蚊 回 械 崖 鈎 較 澗 鞆 苳 干 灌 貫 眼	可 稼 俄 塊 海 慨 劃 郭 割 株 瓦 幹 環 還 岩	嘉 箇 峨 壞 灰 概 嚇 閣 喝 兜 乾 患 甘 鑑 翫	夏 花 我 迴 界 涯 各 隔 恰 竈 侃 感 監 間 價	嫁 苛 牙 快 皆 碍 廓 革 括 蒲 冠 慣 看 閑 雁	家 茄 画 怪 絵 蓋 拈 学 活 釜 寒 憾 竿 閑 頑	寡 荷 臥 悔 芥 街 攪 岳 渴 鎌 刊 換 管 陷 顏	科 華 芽 恢 蟹 該 格 樂 滑 嚙 勤 敢 簡 韓 願	暇 菓 蛾 懷 開 鎧 核 額 葛 鴨 柑 緩 館	下 果 蝦 賀 戒 階 骸 殼 顛 褐 栢 卷 桓 缶 館	化 架 課 雅 拐 貝 涇 獲 掛 轄 茅 喚 棺 翰 丸	飯 歌 嘩 餓 改 凱 馨 確 笠 且 萱 堪 款 肝 含	何 河 貨 駕	劾 蛙 穫 桴 鯉	姦 歛 艦 岸
き	8ADE 8AEE 8B3F 8B4F 8B5F 8B6F 8B80 8B90 8B9E 8BAE	3460 3470 3520 3530 3540 3550 3560 3570 3620 3630	基	奇 機 輝 義 却 求 拒 供 怯	嬉 婦 飢 蟻 客 汲 拋 俠 恐	寄 毅 騎 誼 脚 泣 拳 僑 恭	岐 氣 鬼 議 虐 灸 渠 兇 挾	希 汽 龜 掬 逆 球 虛 競 教	幾 畿 偽 菊 丘 究 許 共 橋	忌 祈 儀 鞠 久 窮 距 凶 況	揮 季 妓 吉 仇 笈 鋸 協 狂	机 稀 宜 吃 休 級 漁 匡 狹	旗 紀 戲 喫 及 糾 禦 脚 矯	企 既 徽 技 枝 吸 給 魚 叫 胸	伎 期 規 擬 橘 宮 旧 亨 喬 脅	危 棋 記 欺 詰 弓 牛 享 境 興	喜 棄 貴 犧 砧 急 去 京 峽 蕎	器 起 疑 杵 救 居 強 鄉		
	ソト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
き	8BBE 8BCE 8BDE	3640 3650 3660	鏡勤謹	響均近	響巾金	驚錦吟	仰斤銀	凝欣	堯欽	曉琴	業禁	局禽	曲筋	極緊	玉芹	桐菌	籽衿	僅襟
<	8BDE 8BEE 8C3F 8C4F	3660 3670 3720 3730	駒薰	具掘訓	愚窟群	虞沓軍	喰靴郡	九空轡	俱偶窪	句寓熊	区遇隈	狗隅桑	玖串栗	矩櫛繰	苦釧桑	軀屑鍬	驅屈勲	駈君
け	8C4F 8C5F 8C6F 8C80 8C90 8C9E 8CAE 8CBE	3730 3740 3750 3760 3770 3820 3830 3840	契經劇儉 鍵言	形繼戟倦 檢陰諺	徑繫擊健 權頭限	惠野激兼 牽駭	慶荃隙券 犬齧	卦慧荊桁 劍獻元	袞憩蚩傑 喧研原	祁揭計欠 圈硯敵	係携詣決 堅絹幻	傾敬警潔 嫌臬弦	刑景輕穴 建肩減	兄桂頸結 憲見源	啓溪鷄血 懸謙玄	圭畦芸訣 拳賢現	珪稽迎月 捲軒絃	型系鯨件 遣舷
こ	8CBE 8CCE 8CDE 8CEE 8D3F 8D4F 8D5F 8D6F 8D80 8D90 8D9E 8DAE	3840 3850 3860 3870 3920 3930 3940 3950 3960 3970 3A20 3A30	湖伍乞 弘浩腔 項告紺	狐午鯉后 恒港膏香 国此良	糊吳交喉 慌溝航高 穀頃魂	乎袴吾佼 坑抗甲荒 鴻酷今	個股娛侯 垢拘皇行 剛鵠困	古胡後候 好控硬衡 劫黑坤	呼菰御倖 孔攻稿講 号獄墜	固虎悟光 孝昂糠貢 合漉婚	姑誇梧公 宏晃紅購 壕腰恨	孤跨檣功 工更紘郊 拷甌懇	己鈷瑚効 巧杭絞醉 濠忽昏	庫雇基勾 巷校綱鉞 豪惚昆	弧顧語厚 幸梗耕砵 轟骨根	戸鼓誤口 広構考鋼 趨拍栖	故五護向 庚江肯閤 克込混	枯互酬 康洪肱 降刻痕
さ	8DAE 8DBE 8DCE 8DDE 8DEE 8E3F 8E4F 8E5F	3A30 3A40 3A50 3A60 3A70 3B20 3B30 3B40	娑歲材 咋三酸	坐濟罪 搾察傘 餐	座災財 昨拶參 斬	些挫采 冚朔撮 山暫	佐債犀 坂柵擦 慘殘	又催碎 阪窄札 撒	峻再皆 堺策殺 散	嵯最祭 柵索薩 棧	左哉齋 肴錯雜 燦	差塞細 咲桜阜 珊	查妻菜 崎鮭鯖 産	沙宰裁 埼笹捌 算	瑳彩載 碕匙鏘 纂	砂才際 鷺冊鮫 蚕	詐採削 作刷皿 讚	鎖裁在 削晒贊
し	8E5F 8E6F 8E80 8E90 8E9E 8EAE 8EBE 8ECE 8EDE 8EEE 8F3F 8F4F 8F5F	3B40 3B50 3B60 3B70 3C20 3C30 3C40 3C50 3C60 3C70 3D20 3D30 3D40	姉死諮 式疾斜 酌腫衆 柔	姿氏資 次識質 煮積趣 宗襲汁	子獅賜 滋鳴實 社錫酒 就讐洪	屍祉雌 治竺蒨 紗若首 州蹴獸	市私飼 爾軸篠 者寂儒 修輯縱	仕師糸 齒璽穴 悞謝弱 受愁週 重	仔志紙 事痔零 柴車惹 怱拾酋 銃	伺思紫 似磁七 芝遮主 寿洲酬 叔	使指肢 侍示叱 屢蛇取 授秀集 夙	刺支脂 児而執 藥邪守 樹秋醜 宿	司孜至 字耳失 縞借手 綬終什 淑	史斯視 寺自嫉 舍勺朱 需繡住 祝	嗣施詞 慈蒔室 写尺殊 囚習充 縮	四旨詩 持辞悉 射杓狩 収臭十 肅	士枝試 時汐湿 捨灼珠 周舟從 塾	始止誌 鹿漆赦 爵種蒐 戎熟
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	ｼﾌﾄ JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
し	8F6F 8F80 8F90 8F9E 8FAE 8FBE 8FCE 8FDE 8FEE 903F 904F 905F 906F	3D50 3D60 3D70 3E20 3E30 3E40 3E50 3E60 3E70 3F20 3F30 3F40 3F50	出 準 署	術 潤 書 勝 庄 樵 粧 鐘 擾 拭 振 秦 壬	述 盾 著 匠 床 沼 紹 鐘 条 植 寢 紳 尋	俊 純 諸 升 廠 消 肖 障 杖 殖 審 臣 甚	峻 巡 諸 召 彰 涉 菖 鞘 淨 燭 心 芯 尽	春 遵 助 哨 承 湘 蔣 上 狀 織 慎 薪 腎	瞬 醇 叙 商 抄 燒 蕉 丈 疊 職 振 親 訊	竣 順 女 唱 招 焦 衝 丞 穰 色 新 診 迅	舜 処 序 嘗 掌 照 裳 乘 蒸 触 晋 身 陣	駿 初 徐 奨 捷 症 訟 冗 讓 食 森 辛 韌	准 所 恕 妾 昇 省 証 剩 釀 蝕 榛 進	循 暑 鋤 娼 昌 硝 詔 城 錠 辱 浸 針	旬 曙 除 宵 昭 礁 詳 場 囑 尻 深 震	楯 渚 傷 將 晶 祥 象 壤 埴 伸 申 人	殉 庶 償 小 松 称 賞 嫌 飾 信 疹 仁	淳 緒 少 梢 章 醬 常 侵 真 刃
す	906F 9080 9090 909E	3F50 3F60 3F70 4020	逗 瑞	吹 髓 澄	垂 崇 摺	帥 嵩 寸	推 数	水 枢	炊 趨	睡 雛	粹 据	翠 杉	筇 衰 相	諏 遂 菅	須 醉 頗	酢 錐 雀	凶 錘 裾	厨 隨
せ	909E 90AE 90BE 90CE 90DE 90EE 913F 914F	4020 4030 4040 4050 4060 4070 4120 4130	整 誓 石 窃 扇 前	星 請 積 節 撰 織 善	晴 逝 籍 説 栓 羨 漸	棲 醒 績 雪 梅 腺 然	世 栖 青 脊 絶 泉 舛 全	瀬 正 静 責 舌 浅 船 禪	畝 清 芥 赤 蝉 洗 薦 繕	是 性 税 跡 仙 染 詮 膳	凄 生 脆 蹟 先 潜 賤 糲	制 盛 隻 碩 千 煎 踐	勢 精 席 切 占 煽 選	姓 聖 惜 拙 宣 旋 遷	征 声 戚 接 專 穿 錢	性 製 斥 撰 尖 箭 銑	成 西 昔 折 川 線 閃	政 誠 析 設 戰 鮮
そ	914F 915F 916F 9180 9190 919E 91AE	4130 4140 4150 4160 4170 4220 4230	狙 双 操 草 属	疏 叢 早 莊 臟 賊	疎 倉 曹 葬 蔵 族	礎 喪 巢 蒼 贈 統	祖 壯 槍 藻 造 卒	租 奏 槽 装 促 袖	粗 爽 漕 走 側 其	素 宋 燥 送 則 揃	組 層 争 遭 即 存	噌 蘇 匠 瘦 鎗 息 孫	塑 訴 忽 相 霜 捉 尊	岨 阻 想 窓 騷 束 損	措 遡 搜 糟 像 測 村	曾 鼠 掃 総 増 足 遜	曾 僧 挿 綜 憎 速	楚 創 搔 聡 俗
た	91AE 91BE 91CE 91DE 91EE 923F 924F 925F	4230 4240 4250 4260 4270 4320 4330 4340	太 对 退 宅 丹 胆	汰 耐 速 托 叩 單 蛋	詫 岱 隊 扱 但 嘆 誕	唾 帶 黛 拓 達 坦 鍛	墮 待 鯛 沢 辰 担 団	妥 怠 代 濯 奪 探 壇	情 態 台 琢 脱 旦 彈	打 戴 大 託 巽 歎 断	柁 替 第 鐸 豎 淡 暖	舵 泰 醍 濁 汕 湛 檀	檣 滯 題 諾 棚 炭 段	陀 胎 鷹 茸 谷 短 男	駄 腿 滝 胤 狸 端 談	驛 苔 瀧 蛸 鱈 筆	他 体 袋 卓 只 樽 綻	多 堆 貸 啄 誰 耽
ち	925F 926F 9280 9290 929E 92AE 92BE	4340 4350 4360 4370 4420 4430 4440	弛 逐 註 聴 沈	恥 秩 耐 帖 帳 張 珍	智 室 鑄 帳 腸 賃	池 茶 駐 庁 蝶 鎮	痴 嫡 樗 弔 調 陳	稚 着 豬 張 謀	置 中 猪 彫 超	致 仲 芋 微 跳	蜘 宙 著 懲 銚	遲 忠 貯 挑 長	馳 抽 丁 暢 頂	築 昼 兆 朝 鳥	畜 柱 凋 潮 勅	值 竹 注 喋 牒 抄	知 筑 虫 寵 町 直	地 蓄 衷 眺 朕
	ｼﾌﾄ JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
つ	92BE 92CE 92DE	4440 4450 4460	槻 釣	佃 鶴	漬	柘	辻	津 蔦	墜 綴	椎 鏑	槌 椿	追 漬	鎚 坪	痛 壺	通 孀	塚 袖	柸 爪	搦 吊
て	92DE 92EE 933F 934F 935F	4460 4470 4520 4530 4540	悌 徹 点	抵 邸 撤 伝	亭 挺 鄭 輒 殿	低 提 釘 迭 澱	停 梯 鼎 鉄 田	偵 汀 泥 典 電	剃 碇 摘 填	貞 禎 擢 天	呈 程 敵 展	堤 締 滴 店	定 艇 的 添	帝 訂 笛 纏	底 諦 適 甜	庭 蹄 鎬 貼	廷 通 溺 転	弟 哲 顛
と	935F 936F 9380 9390 939E 93AE 93BE 93CE	4540 4550 4560 4570 4620 4630 4640 4650	登 凍 盜	菟 刀 淘 董 同 德 苦	賭 唐 湯 蕩 堂 洗 寅	途 塔 濤 藤 導 特 酉	都 塘 灯 討 憧 督 滯	鍍 套 燈 膽 撞 禿 噸	兔 砥 岩 当 豆 洞 篤 屯	吐 礪 島 痘 踏 瞳 毒 惇	堵 努 嶋 禱 逃 童 独 敦	塗 度 悼 等 透 胴 読 沌	妬 土 投 答 錠 萄 析 豚	屠 奴 搭 筒 陶 道 橡 遁	徒 怒 東 糖 頭 銅 凸 頓	斗 倒 桃 統 騰 峠 突 吞	杜 党 禱 到 鬪 鴛 椀 曇	渡 冬 棟 働 匠 届 鈍
な	93DE 93EE	4660 4670	奈 軟	那 難	内 汝	乍	凧	薙	謎	灘	捺	鍋	楢	馴	繩	啜	南	楠
に	93EE 943F	4670 4720		如 尿	二 韭	尼 任	弑 妊	邇 忍	匂 認		賑	肉	虹	廿	日	乳	入	
ぬ	943F	4720									濡							
ね	943F 944F	4720 4730	念	捻	燃	燃	粘					襦	衤	寧	葱	猫	熱	年
の	944F 945F	4730 4740	農	覗	蚤		乃	迺	之		埜	囊	惱	濃	納	能	腦	膿
は	945F 946F 9480 9490 949E 94AE 94BE 94CE	4740 4750 4760 4770 4820 4830 4840 4850	俳 楳 柏	糜 煤 泊	拝 狼 白 箱 伐 搬 頒	巴 排 買 箔 碓 罰 斑 飯	把 敗 売 粕 箸 拔 板 挽	播 杯 陪 薄 筭 閥 汎 番	把 牌 這 迫 櫨 鳩 版 盤	波 背 蠅 曝 幡 嘶 犯 磬	派 肺 秤 漠 肌 塙 班 蕃	琶 輩 矧 爆 畑 蛤 畔 蛭	破 配 菘 縛 畠 隼 繁	婆 倍 伯 莫 八 伴 般	罵 培 剥 駁 鉢 判 藩	芭 媒 博 麥 澆 半 販	馬 梅 拍 発 反 範	
ひ	94CE 94DE 94EE 953F 954F 955F 956F	4850 4860 4870 4920 4930 4940 4950	彼 誹	悲 費 鼻	扉 避 柵 媛 病 敏	批 非 稗 紐 秒 瓶	披 飛 匹 百 苗	斐 樋 疋 謬 儀 鉞	比 籟 髭 佞 鉞	泌 備 彦 彪 蒜	疲 尾 膝 標 蛭	皮 微 菱 氷 鱈	碑 枇 肘 漂 品	匪 秘 毘 弼 瓢 彬	卑 緋 毘 必 栗 斌	否 罷 眉 畢 表 浜	妃 肥 美 筆 評 瀕	庇 被 逼 豹 貧
ふ	956F 9580 9590	4950 4960 4970	斧 武	普 舞	浮 葡	父 蕪	不 符 部	付 腐 封	埠 膚 楓	夫 芙 風	婦 譜 葦	富 負 蔭	富 賦 伏	布 赴 副	府 阜 復	怖 附 幅	扶 侮 服	敷 撫
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
ふ	959E 95AE	4A20 4A30	憤	福扮	腹焚	複奮	覆粉	淵糞	弗紛	払霏	沸文	仏聞	物	鮒	分	吻	噴	墳
へ	95AE 95BE 95CE	4A30 4A40 4A50	弊偏	柄変	並片	蔽篇	閉編	陛辺	米返	頁遍	僻便	壁勉	丙癖婉	併碧弁	兵別鞭	塀瞥	幣蔑	平篋
ほ	95CE 95DE 95EE 963F 964F 965F 966F	4A50 4A60 4A70 4B20 4B30 4B40 4B50	圃捧	捕包	步呆	甫報	補奉	輔宝	穂峰	募峯	墓崩	慕庖	戊抱	暮捧	母放	保簿	舖菩	舖倣
ま	9680 9690 969E	4B60 4B70 4C20	摩鱧	磨榭	魔亦	麻俣	埋又	妹抹	味末	枚沫	每迄	哩儘	楨繭	幕磨	膜万	枕慢	鮪滿	枉
み	969E 96AE	4C20 4C30	耗	民	眠	味	未	魅	巳	箕	岬	密	蜜	湊	蓑	稔	脈	妙
む	96AE	4C30				務	夢	無	牟	矛	霧	鷓	棕	婿	娘			
め	96AE 96BE	4C30 4C40	明	盟	迷	銘	鳴	姪	牝	滅	免	棉	綿	緬	面	冥麵	名	命
も	96BE 96CE 96DE	4C40 4C50 4C60	茂尤	妄戾	孟矧	毛貫	猛問	盲悶	網紋	耗門	蒙匆	儲	木	默	目	奎	摸勿	模餅
や	96DE 96EE	4C60 4C70	矢	厄	役	約	葉	訳	躍	靖	柳	也藪	冶鍵	夜	爺	耶	野	弥
ゆ	96EE 973F 974F	4C70 4D20 4D30	涌	諭猶	輸猷	唯由	佑祐	優裕	勇誘	友遊	宥邑	幽郵	悠雄	愉憂融	愈揖夕	油有	癒柚	湧
よ	974F 975F 976F 9780	4D30 4D40 4D50 4D60	誉熔沃	輿用浴	預窯翌	傭羊翼	幼耀淀	妖葉	容蓉	庸要	揚謠	揺踊	擁逞	曜陽	楊養	予樣慾	余洋抑	与溶欲
ら	9780 9790	4D60 4D70	乱	卵	嵐	欄	濫	羅藍	螺蘭	裸覽	来	莱	頼	雷	洛	絡	落	酪
り	9790 979E 97AE 97BE 97CE	4D70 4E20 4E30 4E40 4E50	琉寮緑	痢留料倫	裏硫梁厘	裡粒涼林	里隆淋	離竜療燐	陸龍瞭琳	律侶稜臨	利率慮糧輪	吏立旅良隣	履葎虜諒鱗	李掠了遼麟	梨略亮量	理劉僚陵	璃流両領	溜凌力
る	97CE	4E50												瑠	壘	涙	累	
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
一	989E	5020		式	丐	丕												
丨	989E	5020					个	卩										
丶	989E	5020							、	井								
丩	989E	5020									丩	乂	乖	乘				
乙	989E	5020													亂			
丿	989E 98AE	5020 5030	舒												丿	豫	事	
二	98AE	5030		式	于	亞	亟											
亠	98AE	5030						亠	亢	京	毫	亠	亠					
人	98AE 98BE 98CE 98DE 98EE 993F 994F	5030 5040 5050 5060 5070 5120 5130	仞 佩 俸 偃 儼	伋 佰 倚 假 僉 儉	仟 侑 倨 會 僊 儔	价 伴 偃 借 傳 儻	伉 來 倪 倭 儻	佚 侖 倥 偈 儻	估 倥 倥 倥 儻	佛 倪 倥 倥 儻	侑 俟 俶 倥 儻	佗 俶 倥 倥 儻	从 侑 倥 倥 儻	仍 估 俶 倥 儻	仄 修 倥 倥 儻	仆 侑 俶 倥 儻	仞 俶 倥 倥 儻	仗 佗 俶 倥 儻
儿	994F	5130									儿	兀	兒	兌	免	兢	競	
入	995F	5140	兩	俞														
八	995F	5140			兮	冀												
冂	995F	5140					冂	回	册	冉	冂	冂	冂	冕				
冂	995F 996F	5140 5150	冂	冂											冂	冕	冠	冂
冫	996F	5150			冫	决	冫	冲	冰	况	冫	冫	凉	凜				
几	996F 9980	5150 5160	几												几	處	几	凭
凵	9980	5160		凵	函													
刀	9980 9990 999E	5160 5170 5220	劊	剔	剪	刃	刊	刂	刂	刂	刂	刪	刮	刳	刳	剗	剗	剗
力	999E 99AE	5220 5230	勸		劬	劬	劬	券	勁	劬	勗	勞	勗	勗	勗	勗	勗	勗
勹	99AE	5230		勹	匆	匈	匈	匍	匍	匍	匍							
七	99AE	5230									七							
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		
匚	99AE	5230										匚	匣	匯	匱	匳				
匚	99AE	5230																匚	區	
十	99BE	5240	𠂇	卅	卅	卉	卂	準												
卜	99BE	5240								卜										
卩	99BE	5240								卩	卮	卯	卻	卷						
厂	99BE 99CE	5240 5250	厥	廝	廠										厂	厖	厠	厦		
厶	99CE	5250				厶	參	篡												
又	99CE	5250							雙	叟	曼	變								
口	99CE 99DE 99EE 9A3F 9A4F 9A5F 9A6F 9A80 9A90	5250 5260 5270 5320 5330 5340 5350 5360 5370	呀 咒	听 呻 咫	吭 咀 晒	吼 呶 咤	吮 咄 咄	呐 咐 高	吩 咆 吓	吝 哇 哥	呖 呖 啞	咏 咸 唏	叮 呵 啞	叨 咎 咬	叭 呖 哄	叭 呱 哈	吁 呷 咨	咩 咩 咩	咩 咩 咩	
口	9A90 9A9E	5370 5420		圈	國	圍	圓	團	圖	喬	口	囧	囧	囧	囧	囧	囧	囧		
土	9A9E 9AAE 9ABE 9ACE 9ADE	5420 5430 5440 5450 5460	坩 埤 墅 壘	垂 堊 堊 壘	垚 坵 墟 壘	坡 埠 埠 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	坵 坵 坵 壘	
士	9ADE	5460				壯	壺	壹	壻	壺	壽									
夕	9ADE	5460									夕									
夕	9ADE	5460										夕	復							
夕	9ADE	5460													夕	夢	夥			
大	9ADE 9AEE	5460 5470	夭	本	夸	夾	奇	奕	奂	奎	奚	奘	奢	奠	奧	獎	奩	夫		
女	9B3F 9B4F 9B5F 9B6F	5520 5530 5540 5550	娑 媽 孃	奸 娜 媽	妁 娉 孃	妝 娉 孃	佞 媵 媵	佞 媵 媵	妘 媵 媵	妘 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵	媵 媵 媵
子	9B6F	5550				子	孕	孚	孛	孛	孩	孰	孛	孛	學	孛	孛			
	シト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
宀	9B6F 9B80 9B90	5550 5560 5570	它 寶	宦 寗	宸 寗	寗 寗	寇 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗	寗 寗
寸	9B90	5570		尅	將	專	對											
小	9B90	5570					尔	尠										
尢	9B90	5570							尢	尢								
尸	9B90 9B9E	5570 5620		屮	屮	屮	屬				尸	尹	屮		屮	屮	屮	
屮	9B9E	5620					屮											
山	9B9E 9BAE 9BBE 9BCE	5620 5630 5640 5650	岬 峯	岬 嶺	岬 嶺	岬 嶺	峯 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺	岬 嶺
ㄩ	9BCE	5650																ㄩ
工	9BDE	5660	巫															
己	9BDE	5660		己	厄													
巾	9BDE 9BEE	5660 5670	幟	幟	幣	幣	帋	帋	帋	帋	帶	帷	幄	幃	幟	幟	幟	幟
干	9BEE	5670					干	井										
么	9BEE	5670						么	麼									
广	9BEE 9C3F	5670 5720		廖	廣	廝	廚	廛	廢	廡	廡	廡	廡	廡	廡	廡	廡	廡
廴	9C3F	5720																廴 廴
井	9C4F	5730	井	弃	井	井	井											
弋	9C4F	5730					弋	弋										
弓	9C4F	5730							弓	弩	弭	弭	弭	弭	彈	彌	彎	弯
彡	9C5F	5740	彡	彡	彡	彡												
彡	9C5F	5740					彡	彭										
彳	9C5F 9C6F	5740 5750	徙	徙	徠	徠	徠	徠	徠	徠	徠	徠	徠	徠	徠	徠	徠	徠
心	9C6F 9C80	5750 5760	怙	恂	怩	恂	忽	怛	怛	怛	忤	忤	忤	忤	恚	恚	恚	恚
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
心	9C90 9C9E 9CAE 9CBE 9CCE 9CDE 9CEE	5770 5820 5830 5840 5850 5860 5870	協 悵 悵 悵 悵 悵 悵	恒 悵 悵 悵 悵 悵 悵	恍 悵 悵 悵 悵 悵 悵	恣 悵 悵 悵 悵 悵 悵	恃 悵 悵 悵 悵 悵 悵	恤 悵 悵 悵 悵 悵 悵	恂 悵 悵 悵 悵 悵 悵	恬 悵 悵 悵 悵 悵 悵	恂 悵 悵 悵 悵 悵 悵	恂 悵 悵 悵 悵 悵 悵	悵 悵 悵 悵 悵 悵 悵	悵 悵 悵 悵 悵 悵 悵	悵 悵 悵 悵 悵 悵 悵	悵 悵 悵 悵 悵 悵 悵	悵 悵 悵 悵 悵 悵 悵	悵 悵 悵 悵 悵 悵 悵
戈	9CEE 9D3F	5870 5920		戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛	戛 戛 戛
戸	9D3F	5920									扁							
手	9D3F 9D4F 9D5F 9D6F 9D80 9D90 9D9E 9DAE	5920 5930 5940 5950 5960 5970 5A20 5A30	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌	扌 扌 扌 扌 扌 扌 扌 扌
支	9DAE 9DBE	5A30 5A40	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴	攴 攴 攴
斗	9DBE 9DCE	5A40 5A50	斛															斛
斤	9DCE	5A50	斫	斫														
方	9DCE	5A50			旃	旃	旃	旃	旃	旃	旃	旃	旃	旃				
无	9DCE	5A50												无	无			
日	9DCE 9DDE 9DEE 9E3F	5A50 5A60 5A70 5B20	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞	昞 昞 昞 昞
日	9E3F	5B20									日	日	日					
月	9E3F 9E4F	5B20 5B30	朙	朙											朙	朙	朙	朙
木	9E4F 9E5F 9E6F 9E80 9E90 9E9E 9EAE 9EBE 9ECE	5B30 5B40 5B50 5B60 5B70 5C20 5C30 5C40 5C50	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝	杝 杝 杝 杝 杝 杝 杝 杝 杝
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
犬	E0GE	6050	猥	猾	獎	獾	默	獬	獾	獨	獐	獸	獵	獻	獺			
王	E0GE E0DE E0EE	6050 6060 6070	玻	珀	珥	珮	珞	璫	琅	瑯	琥	瑀	球	珞	瑕	玳	玳	玳
瓜	E13F	6120	瓠	瓣														
瓦	E13F E14F	6120 6130	甕	甕	甕	甗	甗	瓮	甗	甗	甗	甗	甗	甗	甗	甗	甗	甗
甘	E14F	6130				嘗												
生	E14F	6130					甞											
用	E14F	6130					甞											
田	E14F E15F	6130 6140	畧	畧	畧	畧	當	疆	早	岾	畧	畧	畧	畧	畧	畧	畧	畧
疒	E15F E16F E180 E190 E19E	6140 6150 6160 6170 6220	痂	疔	疔	疔	疔	疔	疔	疔	疔	疔	疔	疔	疔	疔	疔	疔
夂	E19E	6220				夂	發											
白	E19E	6220					皂	兒	飯		皋	皎	皖	皓	皙	皚		
皮	E19E E1AE	6220 6230	鞞	輝	皴											皴	皴	
皿	E1AE	6230				孟	盞	盞	盞	盞	盞	盞	盞	盞	盞	盞	盞	盞
目	E1AE E1BE E1CE E1DE	6230 6240 6250 6260	眇	眩	昵	真	皆	眇	眇	眇	眇	眇	眇	眇	眇	眇	眇	眇
矛	E1DE	6260				矜												
矢	E1DE	6260				矣	矮											
石	E1DE E1EE E23F	6260 6270 6320	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗	砗
示	E23F E24F	6320 6330	祕	祕	祕	祕	禊	禊	禊	齋	禪	禮	禳	祀	祠	祇	崇	祚
禺	E24F	6330												禹	禺			
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
禾	E24F E25F E26F	6330 6340 6350	秬 穉	秣 穉	秣 穉	稈 穉	稍 穉	稈 穉	稈 穉	稠	稟	稟	稱	稻	稟	稟	稟	秧
穴	E26F E280	6350 6360	窶	窶	鼠	隆	遂	竇	穹	穿	窈	窗	窈	窘	窞	窩	窞	窞
立	E280 E290	6360 6370	竦	竭	堦					竝	竝	竝	站	竝	竝	竝	竝	竝
竹	E290 E29E E2AE E2BE E2CE E2DE	6370 6420 6430 6440 6450 6460	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩	筩
米	E2DE E2EE	6460 6470	粽	糝	糝	糝	粿	粿	粿	粿	糝	糝	糝	糝	糝	糝	糝	糝
糸	E2EE E33F E34F E35F E36F E380 E390	6470 6520 6530 6540 6550 6560 6570	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨	絨
缶	E390 E39E	6570 6620	罇	罇	罇	罇	罇	罇	罇	罇					罇	罇		
网	E39E E3AE	6620 6630	網	網	網	網	網	網	網	網	網	網	網	網	網	網	網	網
羊	E3AE E3BE	6630 6640	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸	羸
羽	E3BE	6640		翅	翠	翊	翊	翊	翊	翊	翊	翊	翊	翊	翊	翊	翊	翊
老	E3BE	6640														耆	耆	耆
耒	E3CE	6650	耒	耒	耒	耒	耒	耒	耒	耒								
耳	E3CE E3DE	6650 6660	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳	聳
聿	E3DE	6660									聿	聿	聿	聿				
肉	E3DE E3EE E43F E44F E45F	6660 6670 6720 6730 6740	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛	胛
	シト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
臣	E45F	6740										臧						
至	E45F	6740										臺	臻					
臼	E45F E46F	6740 6750	與	舊											臾	昇	春	舅
舌	E46F	6750			舍	舐	舖											
舟	E46F E480	6750 6760	艦	艦	艦	艦	舩	舩	舩	舩	舩	舩	舩	舩	舩	舩	舩	舩
艮	E480	6760					艱											
色	E480	6760								艷								
艸	E480 E490 E49E E4AE E4BE E4CE E4DE E4EE E53F E54F E55F	6760 6770 6820 6830 6840 6850 6860 6870 6920 6930 6940	苣 莖 莖 莖 莖 莖 莖 莖 莖 莖 莖 莖	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣	苣 苣 苣 苣 苣 苣 苣 苣 苣 苣 苣
虍	E55F	6940									虍	虍	虍	虍	虍			
虫	E55F E56F E580 E590 E59E E5AE E5BE	6940 6950 6960 6970 6A20 6A30 6A40	蚩 蛟 蛟 蛟 蛟 蛟 蛟	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪	蚪 蚪 蚪 蚪 蚪 蚪 蚪
血	E5BE	6A40									衄	衄						
行	E5BE	6A40										衞	衞	衞	衞			
衣	E5BE E5CE E5DE E5EE E63F	6A40 6A50 6A60 6A70 6B20	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾	衾 衾 衾 衾 衾
而	E63F	6B20									而	而	而	而				
見	E63F E64F	6B20 6B30	覩	覩	覩	覩	覺	覽	覲	覲					覩	覩	覩	覩
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
角	E64F	6B30									觚	觥	觥	觥	觥	觥		
言	E64F E65F E66F E680 E690 E69E	6B30 6B40 6B50 6B60 6B70 6C20	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆	訐 詆 詆 詆 詆 詆
谷	E69E E6AE	6C20 6C30	谿														谿	谿
豆	E6AE	6C30		豈	豌	豎	豐											
豕	E6AE	6C30					豕	豕	豕	豕								
豸	E6AE E6BE	6C30 6C40	豸	豸	豸						豸	豸	豸	豸	豸	豸	豸	豸
貝	E6BE E6CE	6C40 6C50	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈	賈
赤	E6CE E6DE	6C50 6C60	赭															赭
走	E6DE	6C60	走	走	走	走	走											
足	E6DE E6EE E73F E74F	6C60 6C70 6D20 6D30	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟	跟
身	E74F E75F	6D30 6D40	軀	軀										躬	軀	軀	軀	軀
車	E75F E76F E780	6D40 6D50 6D60	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓	輓
辛	E780	6D60				辜	辟	辣	辭	辯								
辶	E780 E790 E79E E7AE	6D60 6D70 6E20 6E30	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓	迓
邑	E7AE E7BE	6E30 6E40	鄒	鄒	鄒	鄒				邨	邨	邨	邨	邨	邨	邨	邨	邨
酉	E7BE E7CE	6E40 6E50	醫	醴	醴	醴	醴	醴	醴	醴	醴	醴	醴	醴	醴	醴	醴	醴
采	E7CE	6E50									糶	釋						
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
里	E7CE	6E50											釐					
金	E7CE E7DE E7EE E83F E84F E85F E86F	6E50 6E60 6E70 6F20 6F30 6F40 6F50	釵 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹	鈹 鈹 鈹 鈹 鈹 鈹 鈹
門	E86F E880 E890	6F50 6F60 6F70	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關	閨 關 關
阜	E890 E89E	6F70 7020		陝 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟	陟 陟
隶	E8AE	7030	隶 隸															
佳	E8AE	7030		佳 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪	睪 睪
雨	E8AE E8BE	7030 7040	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽	霽 霽 霽 霽
青	E8CE	7050	靜															
非	E8CE	7050	靠															
面	E8CE	7050		面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面	面 面
革	E8CE E8DE	7050 7060	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞	鞞 鞞 鞞 鞞
韋	E8DE	7060											韋 韋					
韭	E8DE	7060													韭 韭 韭			
音	E8DE E8EE	7060 7070	韶 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻	韻 韻
頁	E8EE E93F	7070 7120	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤	頤 頤 頤
風	E93F	7120					風 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯	颯 颯 颯 颯
食	E93F E94F E95F	7120 7130 7140	餽 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌	饌 饌 饌 饌
首	E95F	7140					馘 馘											
香	E95F	7140						馥										
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
馬	E95F E96F E980	7140 7150 7160	駁 騾	駱 驕	駟 驍	駟 驍	駁 騾	駟 驍	駟 驍	駟 驍	馮 駟	馮 駟	駟 騫	駟 騫	駝 駟	駝 駟	駝 駟	駝 駟
骨	E980 E990	7160 7170	體	體	體	體									肝	體	體	體
高	E990	7170					髒											
髟	E990 E99E	7170 7220		髟	髟	髟	髟	髟	髟	髟	髟	髟	髟	髟	髟	髟	髟	髟
鬥	E99E	7220									鬥	鬥	鬥	鬥	鬥	鬥		
鬯	E99E	7220																鬯
鬼	E9AE	7230	魄	魃	魏	魃	魃	魃	魃	魃								
魚	E9AE E9BE E9CE E9DE	7230 7240 7250 7260	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠	鮠 鮠
鳥	E9DE E9EE EA3F EA4F EA5F	7260 7270 7320 7330 7340	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝	鴝 鴝
鹵	EA5F	7340				鹵	鹵	鹵										
鹿	EA5F	7340					鹿	鹿			鹿	鹿	鹿	鹿	鹿	鹿		
麦	EA5F EA6F	7340 7350	麦	麦	麦												麦	麦
麻	EA6F	7350				麻												
黄	EA6F	7350					黄											
黍	EA6F	7350					黍	黍	黍									
黑	EA6F EA80	7350 7360	黠	黠	黠						黠	黠	黠	黠	黠	黠	黠	黠
黻	EA80	7360				黻	黻	黻										
黽	EA80	7360					黽	黽			黽							
鼓	EA80	7360									鼓	鼓						
	シフト JIS	JIS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

