

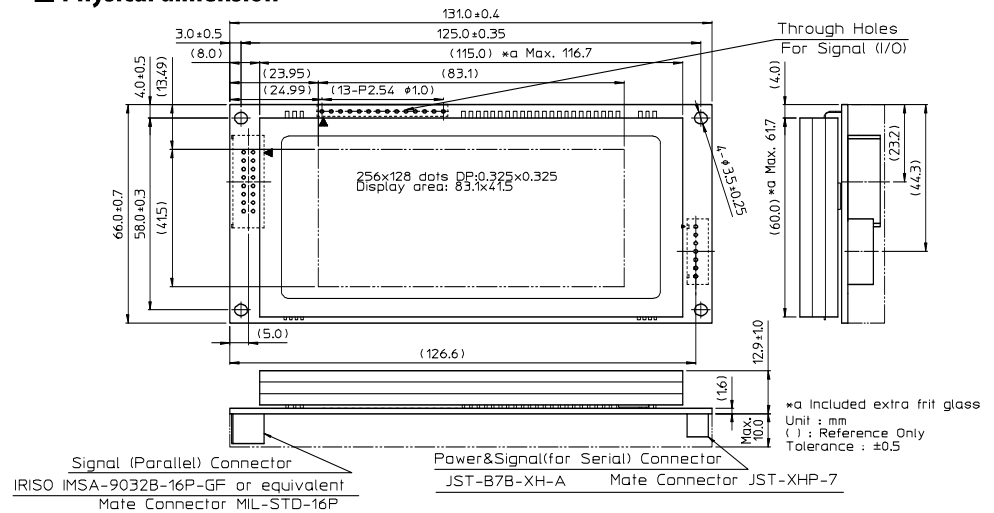
GU256X128C-3900B

SIMPLIFIED DATASHEET

Features

Compact size 256x128 dot fine-pitch VFD.
Smaller dot size, for showing finely detailed display patterns.

Physical dimension



Get full specification



Click here to go to request form.

Specifications

Electrical Ratings

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Power supply voltage	VCC	4.75	5.00	5.25	VDC	

Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Parallel I/F						
Logic input current	I _{piH}	-	-	1.0	μADC	-
D0-D7, /WR	I _{piL}	-	-	-200	μADC	-
Logic input voltage	V _{piH}	0.8VCC	-	VCC	VDC	-
D0-D7, /WR	V _{piL}	0	-	0.2VCC	VDC	-
Logic output voltage	V _{poH}	3.5	-	VCC	VDC	I _{OH} =-10μA
RDY	V _{poL}	0	-	0.6	VDC	I _{OL} =4mA
RS-232 I/F						
Logic input voltage	V _{siH}	3	-	15	VDC	-
RXD, DSR	V _{siL}	-15	-	-3	VDC	-
Logic output voltage	V _{soH}	5	-	-	VDC	R _L =3KΩ
RXD, DSR	V _{soL}	-	-	-5	VDC	-
Logic input Impedance	R _{siN}	3	-	7	KΩ	-
General-purpose I/O port						
Power Supply Current 1	ICC1	-	0.85	1.1	ADC	All dots ON
Power Supply Current 2	ICC2	-	0.68	0.89	ADC	All dots OFF
Power Supply Current 3	ICC3	-	70	120	mADC	Display power OFF
Power Consumption		-	4.25	5.5	W	All dots ON

Optical Specifications

Parameter	
Luminance	250 cd/m ² Min. (500 cd/m ² Typ.)
Color of illumination	Green (Blue-Green)

Environmental Specifications

Parameter	
Operating Temperature	-40 ~ +85 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (non-operating)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (non-operating)	392m/s ² (40G) 9ms X-Y-Z, 3 times each direction

Physical Specifications

Parameter	
Number of Dots	32,768 (256 x 128)
Display Area	83.1 mm x 41.5 mm
Dot Size (X x Y)	0.225 mm x 0.225 mm
Dot Pitch (X x Y)	0.325 mm x 0.325 mm
Weight	About 177 g

Interface

Parallel(CMOS), Asynchronous Serial (RS232), I/O port

Pin Assignment

Pin No.	Signal	Pin No.	Signal
1	D7	2	D6
3	D5	4	D4
5	D3	6	D2
7	D1	8	D0
9	GND	10	/WR
11	GND	12	RDY
13	GND	14	GND
15	VCC	16	VCC

(Asynchronous Serial)

Pin No.	Signal	Baud Rate Setting
1	RXD	4800bps
2	DTR	9600bps
3	DSR	19200bps
4	TXD	38400bps*
5	TEST	57600bps
6	VCC	115200bps
7	GND	(*:Default setting)

(General-purpose I/O port:Abbreviation)

Selectable Font

Parameter	*ANK(Alphabet, Numeric, Kana)
ANK	All Font Size
International	6 x 8 / 8 x 16 / 12 x 24 / 16 x 32 dot
2-byte character	16 x 16 dot
Japanese	32 x 32 dot
Character numbers	42 x 16 by 6 x 8 dot ASCII 21 x 5 by 12 x 24 dot ASCII 16 x 8 by 16 x 16 dot 2-byte character 8 x 4 by 32 x 32 dot Japanese

Functions

Parameter	
Variable Character display	Variable Action Commands
Scroll function	Line / BOX Draw
Display Power Auto ON/OFF	AND/OR/XOR Mixture display
User Windows function	Program Macro function
I/O Port Control Function	Graphic DMA mode
Bit image by dot	
Variable stored settings	
etc.	