

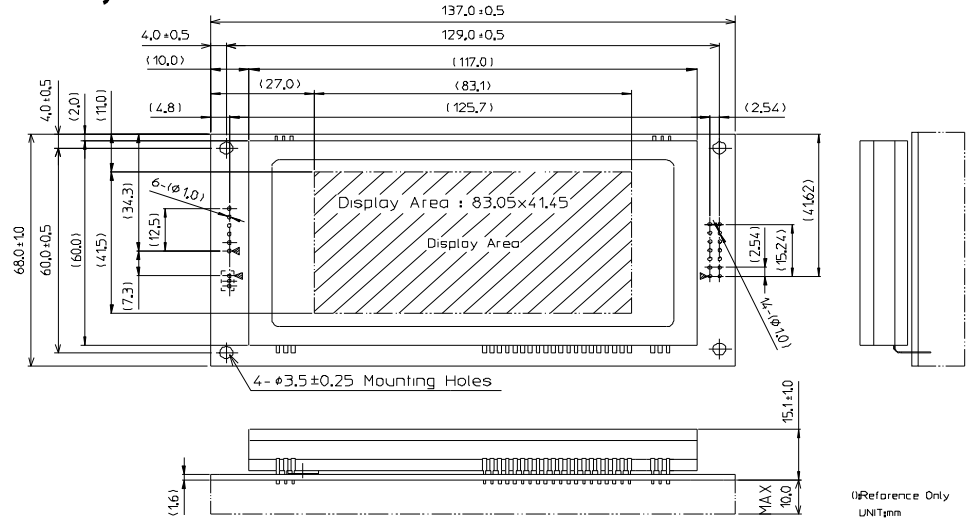
GU128X64F-7900

SIMPLIFIED DATASHEET

Features

Over twice the display area of GU128X64D.
Large illuminating dot surface for better visibility. Suitable for where the display is to be read from some distance.

Physical dimension



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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
'L' Logic Input Current						
D0-D7, /WR, /RD	IIL1	-	-	-0.15	mA	VIN=0V
/RESET	IIL2	-	-	-0.6	mA	VIN=0V
'H' Logic Input Current						
D0-D7, /WR, /RD, /RESET	IIH	-	-	1.0	μADC	VIN=5V
Logic Input Voltage	VIH	0.8VCC	-	VCC	VDC	-
D0-D7, /WR, /RD, /RESET	VIL	0	-	0.2VCC	VDC	-
Logic Output Voltage	VOH	3.8	-	VCC	VDC	IOH=-1.5mA
D7(Busy flag), PBUSY	VOL	0	-	0.6	VDC	IOL=1.6mA
Logic input resistance	RIN	3	-	-	KΩ	-
Logic Input Voltage	VIH	3.0	-	+15	VDC	-
SIN	VIL	-15	-	0.5	VDC	-
Logic Output Voltage	VOH	4.0	-	VCC	VDC	RL=3KΩ
SBUSY	VOL	0	-	0.5	VDC	RL=3KΩ
Power Supply Current 1	ICC-1	-	1.0	1.2	ADC	All dots ON
Power Supply Current 2	ICC-2	-	0.75	0.9	ADC	All dots OFF
Power Supply Current 3	ICC-3	-	22	27	ADC	Display power OFF
Power Consumption		-	5.0	6.0	W	All dots ON

Optical Specifications

Parameter	
Number of Dots	8,192 (128 x 64)
Character numbers	18 x 8 / Max21 x 8 by 5 x 7 dot ANK 8 x 4 by 16 x 16 dot 2-byte character
Display Area	83.1 mm x 41.5 mm
Dot Size (X x Y)	0.50 mm x 0.50 mm
Dot Pitch (X x Y)	0.65 mm x 0.65 mm
Luminance	500 cd/m ² Min. (1000 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)
Storage 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

Character display

Parameter	
Number of Dots	128 x 64 dots
Character font type	5 x 7 ANK, International font 8x16 ANK, International font 16x16 2-byte character
Character width	Fixed/Proportional character format 1&2
Attribution	Character magnify, Reverse
Weight	About 183 g

Interface

Parallel(CMOS), Asynchronous Serial (RS232)

Pin Assignment (Parallel)

Pin No.	Signal	Pin No.	Signal
1	GND	2	Vcc
3	NC	4	RS
5	/WR	6	/RD
7	D0	8	D1
9	D2	10	D3
11	D4	12	D5
13	D6	14	D7(PBUSY)

(Asynchronous Serial)

Pin No.	Signal	Baud Rate Setting
1	Vcc	9600bps
2	SIN	19200bps
3	GND	38400bps*
4	SBUSY	115200bps
5	NC	(*:Default setting)
6	/RESET	

Functions

Parameter	
Control command	
Scroll display action	
Proportional Font function	
User-Windows function	
AND/OR/XOR Mixture display	
Reverse display	
Bit image display	
FROM bit image definition	
Character download function	
etc.	