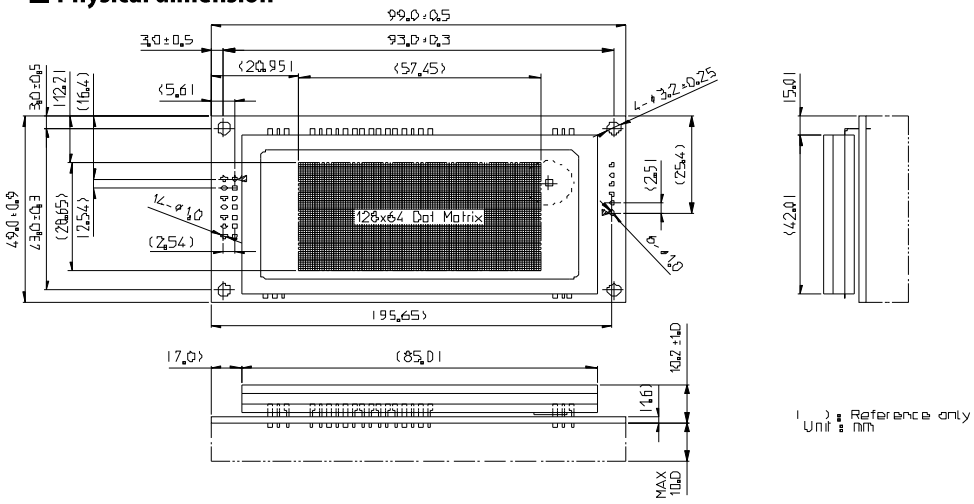
GU128X64D-7003

SIMPLIFIED DATASHEET

■ Features

128x64 dots. The 1:2 aspect ratio is close to a typical monitor display. Compact size with large number of dots, for natural-looking images, or showing large amount of information.

■ 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						
SIN,SCK,/RESET	IIL2	-	-	-0.6	mA	VIN=0V
'H' Logic Input Current						
SIN,SCK,/RESET	IIH	-	-	1.0	μA	VIN=5V
Logic Input Voltage						
SIN,SCK,/RESET	VIH	0.8VCC	-	VCC	VDC	-
	VIL	0	-	0.2VCC	VDC	-
Logic Output Voltage						
SBUSY	VOH	3.8	-	VCC	VDC	IOH=-1.5mA
	VOL	0	-	0.6	VDC	IOL=1.6mA
Power Supply Current 1	ICC-1	-	330	410	mADC	All dots ON
Power Supply Current 2	ICC-2	-	270	340	mADC	All dots OFF
Power Supply Current 3	ICC-3	-	30	40	mADC	Display power OFF
Power Consumption		-	1.65	2.05	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
Display Area	57.45mm x 28.65 mm
Dot Size (X x Y)	0.30mm x 0.30 mm
Dot Pitch (X x Y)	0.45 mm x 0.45 mm
Luminance	350 cd/m^2 Min. (700 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
Character width	Fixed/Proportional character format 1&2
Attribution	Character magnify, Reverse
Weight	About 71 g

■ Interface

Sync/Asynchronous Serial (CMOS)

■ Pin Assignment (Synchronous Serial)

Pin No.	Signal
1	Vcc
2	SIN
3	GND
4	SBUSY
5	SCK
6	/RESET

(Asynchronous Serial)

Pin No.	Signal
1	Vcc
2	SIN
3	GND
4	SBUSY
5	NC
6	/RESET

Baud Rate Setting
9600bps
19200bps
38400bps*
115200bps
(*:Default setting)

■ Functions

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

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