

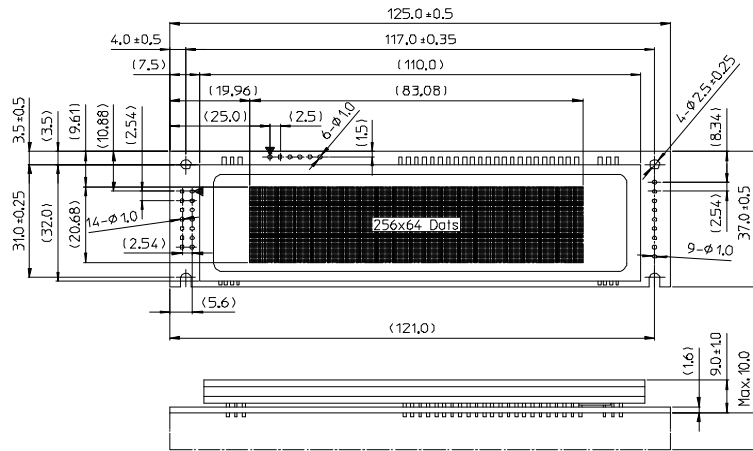
GU256X64C-7900

SIMPLIFIED DATASHEET

■ Features

256x64 dot compact, high resolution display.
 Suitable for embedding in devices where wide space is not available.

■ Physical dimension



() : Reference only
 Unit : mm

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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	IILH	-	-	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	SIN	RIN	3	-	KΩ	-
Logic Input Voltage	VIH	3.0	-	+1.5	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	-	0.43	0.54	ADC	All dots ON
Power Supply Current 2	ICC-2	-	0.32	0.4	ADC	All dots OFF
Power Supply Current 3	ICC-3	-	47	57	mADC	Display power OFF
Power Consumption		-	2.15	2.70	W	All dots ON

■ Optical Specifications

Parameter	Value
Number of Dots	16,384 (256 x 64)
Character numbers	36 x 8 / Max42 x 8 by 5 x 7 dot ANK 16 x 4 by 16 x 16 dot 2-byte character
Display Area	83.08 mm x 20.68 mm
Dot Size (X x Y)	0.20 mm x 0.20 mm
Dot Pitch (X x Y)	0.325 mm x 0.325 mm
Luminance	350 cd/m ² Min. (700 cd/m ² Typ.)
Color of illumination	Green (Blue-Green)

■ Environmental Specifications

Parameter	Value
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	Value
Number of Dots	256 x 64 dots
Character font type	5 x 7 ANK, International font 8 x 16 ANK, International font 16 x 16 2-byte character
Character width	Fixed/Proportional character format 1&2
Attribution	Character magnify, Reverse
Weight	About 59 g

■ Interface

Parallel(OMOS), 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	Value
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.	



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