

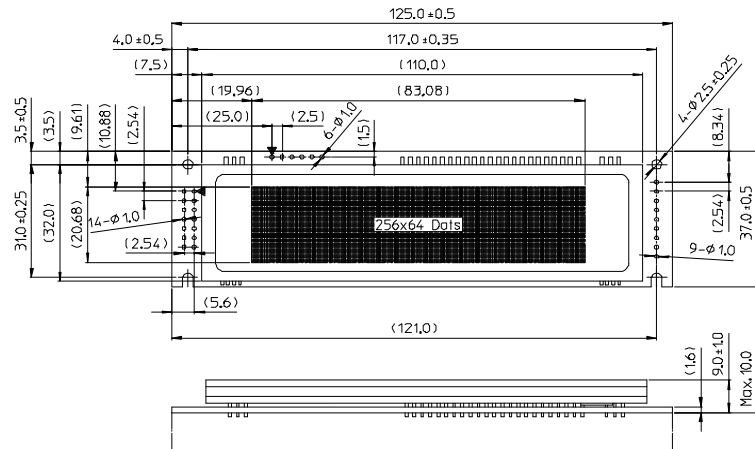
## GU256X64C-7000

## 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 /RESET	IIL1 IIL2	-	-	-0.15 -0.6	mA	VIN=0V
'H' Logic Input Current D0-D7, /WR, /RD, /RESET	IIH	-	-	1.0	$\mu$ ADC	VIN=5V
Logic Input Voltage	VIH	0.8VCC	-	VCC	VDC	-
D0-D7, /WR, /RD, /RESET	VIL	0	-	0.2VCC	VDC	-
Logic Output Voltage D7(Busy flag), PBUSY	VOH VOL	3.8 0	-	VCC 0.6	VDC	IOH=-1.5mA IOL=1.6mA
Logic input resistance	RIN	3	-	-	K $\Omega$	-
Logic Input Voltage	VIH VIL	3.0 -15	-	+15 0.5	VDC	-
Logic Output Voltage SBUSY	VOH VOL	4.0 0	-	VCC 0.5	VDC	RL=3K $\Omega$ RL=3K $\Omega$
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	
Number of Dots	16,384 (256 x 64)
Character numbers	36 x 8 / Max42 x 8 by 5 x 7 dot ANK
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 <sup>2</sup> Min. (700 cd/m <sup>2</sup> 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 <sup>2</sup> (40G) 9ms X-Y-Z, 3 times each direction

## ■ Character display

Parameter	
Number of Dots	256 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 59 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	
Character download function	
etc.	