



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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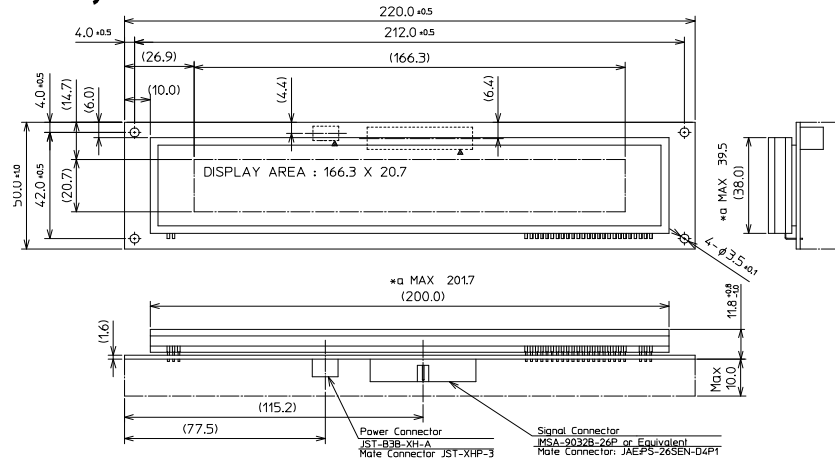
GU256X32-800B

SIMPLIFIED DATASHEET

Features

256x32 dot VFD module.
Non built-in font type.

Physical dimension



Unit:mm
①Reference Only
Tol:±0.5
*a include extra frit glass

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
Logic Input Voltage						
H	VIH	4.0	-	-	VDC	I _{IH} =2 μA
L	VIL	-	-	1.0	VDC	I _{IL} =-600 μA
Logic Output Voltage						
H	VOH	4.7	-	-	VDC	I _{OH} =-300 μA
L	VOL	-	-	0.3	VDC	I _{OL} =300 μA
Reset Input Voltage						
H	VRH	4.0	-	-	VDC	I _{RH} =5 μA
L	VRL	-	-	0.6	VDC	I _{RL} =-600 μA
Power Supply Current	ICC	-	750	900	mA	All dots ON
Power Consumption		-	600	750	W	All dots OFF
			3.75	4.5	W	All dots ON

Optical Characteristics

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

Environmental Conditions

Parameter	Value
Operating Temperature	-40 ~ +85 degrees celsius
Storage Temperature	-40 ~ +85 degrees celsius
Operating Humidity	20 ~ 80% R.H. (non-condensing)
Vibration (Non operation)	10-55-10Hz, all amplitude 1mm, 30 minutes, X-Y-Z
Shock (non-operating)	539m/s ² (55G) 10ms

Physical Specifications

Parameter	Value
Number of Dots	8,192 (256×32)
Display Area	166.25 mm x 20.65 mm
Dot Size (X×Y)	0.5 mm x 0.5 mm
Dot Pitch (X×Y)	0.65 mm x 0.65 mm

Interface

Parallel(CMOS), Synchronous Serial (CMOS)

Pin Assignment (Signal)

Pin No.	Description			Pin No.	Description
	Parallel #1	Parallel #2	Serial		All
1	D7	D7	NC	2	GND
3	D6	D6	NC	4	GND
5	D5	D5	NC	6	GND
7	D4	D4	NC	8	GND
9	D3	D3	NC	10	GND
11	D2	D2	NC	12	GND
13	D1	D1	TXD	14	GND
15	D0	D0	RXD	16	GND
17	WR	R/W	NC	18	GND
19	C/D	C/D	C/D	20	GND
21	RD	ENCK	SCK	22	GND
23	CSS	CSS	CSS	24	GND
25	FRP	FRP	FRP	26	RESET

(Power)

Pin No.	Signal
1	VCC
2	Test
3	GND

Built-in Character

None

Functions

Parameter	Value
High-speed interface	
Control command	
2 Graphic Layers support	
Scroll function	
AND/OR/EXOR	
etc.	



Leaflet contents, and specifications and external appearance of products, may change without notice.

Please confirm product details in the specification.

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