

3.12 inch graphic OLED module



PROFILE

- Type: Passive Matrix Graphic
- Display Color: White
- Display format: 256x64 dots
- Duty Cycle: 1/64
- +2.8~5.2V power supply
- Controller IC: SSD1322UR1
- Interface: Serial/Parallel

FEATURES

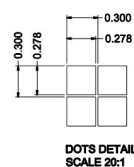
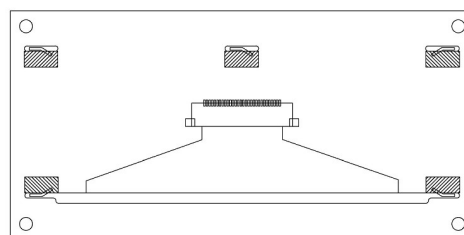
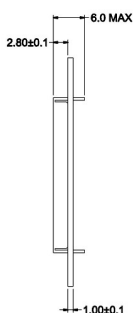
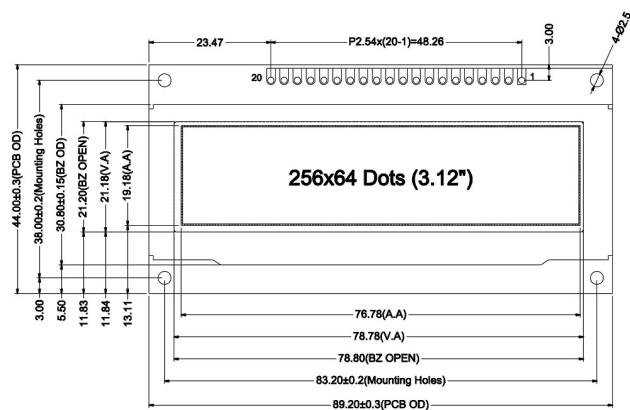
NO.	ITEM	SPECIFICATION	UNIT
1	Panel Size	3.12	inch
2	Outline Dimension	89.20(W) x 44.00(H) x 6.0(T)	mm
3	Viewing Area	78.78(W) x 21.18(H)	mm
4	Active Area	76.78(W) x 19.18(H)	mm
5	Number of Dots	256× 64	-
6	Dot Size	0.278(W) x 0.278(H)	mm
7	Dot Pitch	0.300(W) x 0.300(H)	mm
8	Display Mode	Passive Matrix graphic	
9	Viewing Direction	All	°
10	Display Color	White	-
11	Dark Room Contrast	2,000:1	-
12	Interface	Serial/Parallel	-
13	Drive IC	SSD1322UR1	-
14	Operation Temperature	-40~70	°C
15	Storage Temperature	-40~85	°C

ABSOLUTE MAXIMUM RATINGS				
ITEM	SYMBOL	MIN	MAX	UNIT
Supply Voltage for Logic	V _{DD}	1.65	5.5	V
Operating Temperature	T _{OP}	-40	70	°C
Storage Temperature	T _{STG}	-40	85	°C

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Supply Voltage for Logic	V _{DD}		2.8	3.3	5.2	V
High Level Input	V _{IH}		0.8xV _{DD}	-	V _{DD}	V
Low Level Input	V _{IL}		0	-	0.2xV _{DD}	V
High Level Output	V _{OH}		0.9xV _{DD}	-	V _{DD}	V
Low Level Output	V _{OL}		0	-	0.1xV _{DD}	V
50% Check Board operating Current	I _{DD}	V _{DD} =3.3V	-	90	135	mA

For detailed information, please refer to the “Product Numbering System” document.

PIN DESCRIPTION FOR OLED MODULE		
NO.	SYMBOL	FUNCTION
1	GND	Ground of Logic Circuit
2	VDD	Power Supply for Logic
3	NC	No connection
4	DC	Data/Command control pin
5	R/W(/WR)	Read / Write control input pin
6	E(/RD)	When connecting to an 8080-microprocessor, this pin receives the Read (RD#) signal. Read operation is initiated when this pin is pulled LOW and the chip is selected. When serial interface is selected, this pin E(RD#) must be connected to VSS.
7~14	DB0~DB7	Data Bus
15	NC	No connection
16	RST	Reset signal pin
17	CS	Chip select pin
18	NC	No connection
19	BS2	MCU bus interface selection pins
20	BS1	

DIMENSIONS in millimeters

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