WINSTAR Display

OLED SPECIFICATION

Model No:

WEA12864x#D08-FC

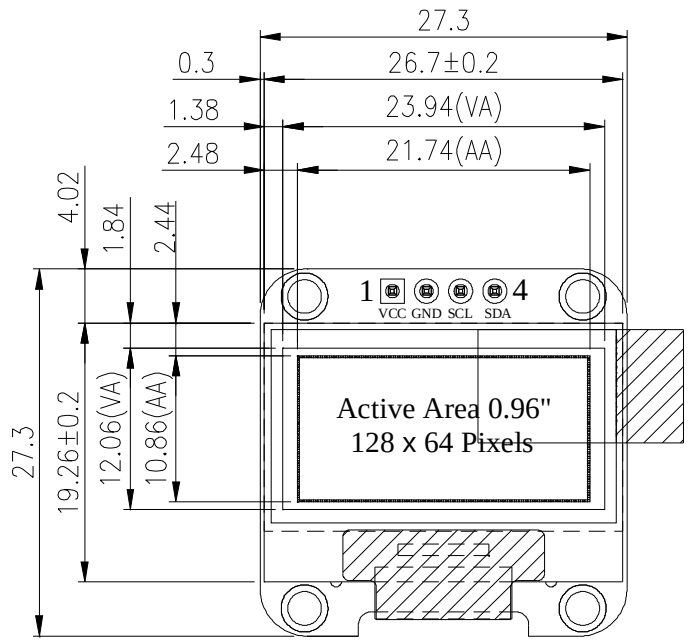
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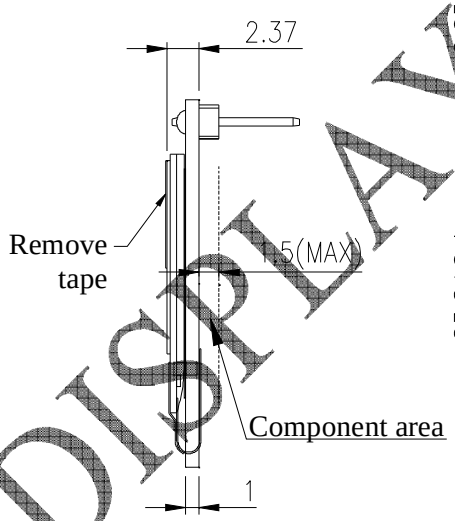
General Specification

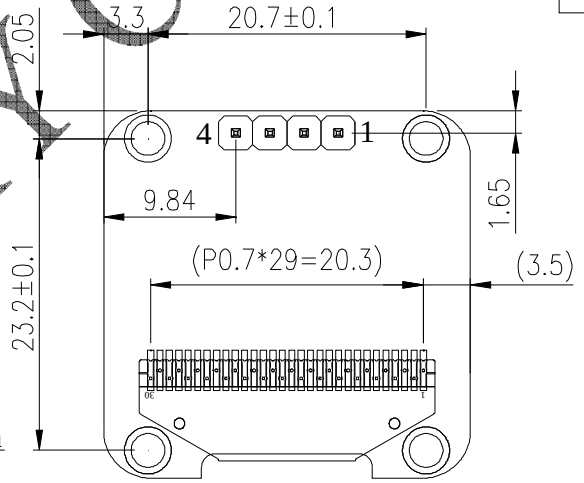
Item	Dimension	Unit
Dot Matrix	128 x 64 Dots	—
Module dimension	38.00 x 28.50 x 2.37	mm
Active Area	21.74 x 10.86	mm
Pixel Size	0.148 x 0.148	mm
Pixel Pitch	0.17 x 0.17	mm
Display Mode	Passive Matrix	
Display Color	Model No.: WEA12864W#D08-FC (White) Model No.: WEA12864L#D08-FC (Yellow)	
Drive Duty	1/64 Duty	
IC	SSD1306BZ	
Interface	I2C	
Size	0.96 inch	

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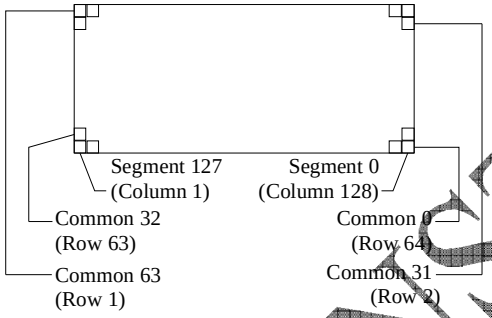
Contour Drawing & Block Diagram

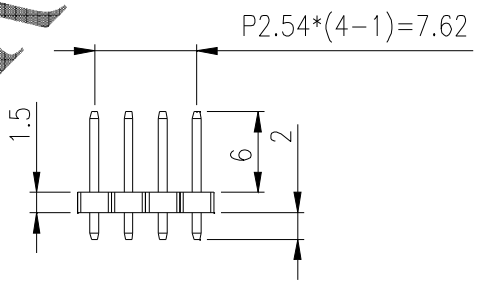




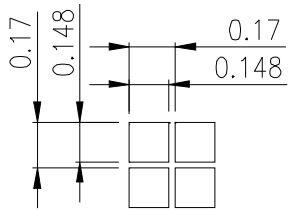


PIN No.	SYMBOL
1	VCC
2	GND
3	SCL
4	SDA





SCALE 1/1



DOT SIZE
SCALE 20/1

The non-specified tolerance of dimension is ±0.3 mm .

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Interface Pin Function

No.	Symbol	Function
1	VCC	Power supply input: 2.8 – 5.2V
2	GND	Ground
3	SCL	When the I2C interface is selected, then D0 serves as the serial clock input pad (SCL) and D1 serves as the serial data input pad (SDAI).
4	SDA	

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	1.65	5.5	V
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TSTG	-40	+85	°C

Electrical Characteristics

DC Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VCC	–	2.8	–	5.2	V
Input High Volt.	VIH	–	0.8×VDD	–	VDDIO	V
Input Low Volt.	VIL	–	0	–	0.2×VDD	V
Output High Volt.	VOH	–	0.9×VDD	–	VDDIO	V
Output Low Volt.	VOL	–	0	–	0.1×VDD	V
50% Check Board operating Current	ICC	Vcc=7.5V	–	14.0	22.0	mA

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