WINSTAR Display

OLED SPECIFICATION

Model No:

WEA12864X#M00-FC

WINSTAR DISPLAY CO.; LTD

Represented by:

first FC components

FIRST Components srl Via Cavour 69, 21020 Buguggiate (VA)

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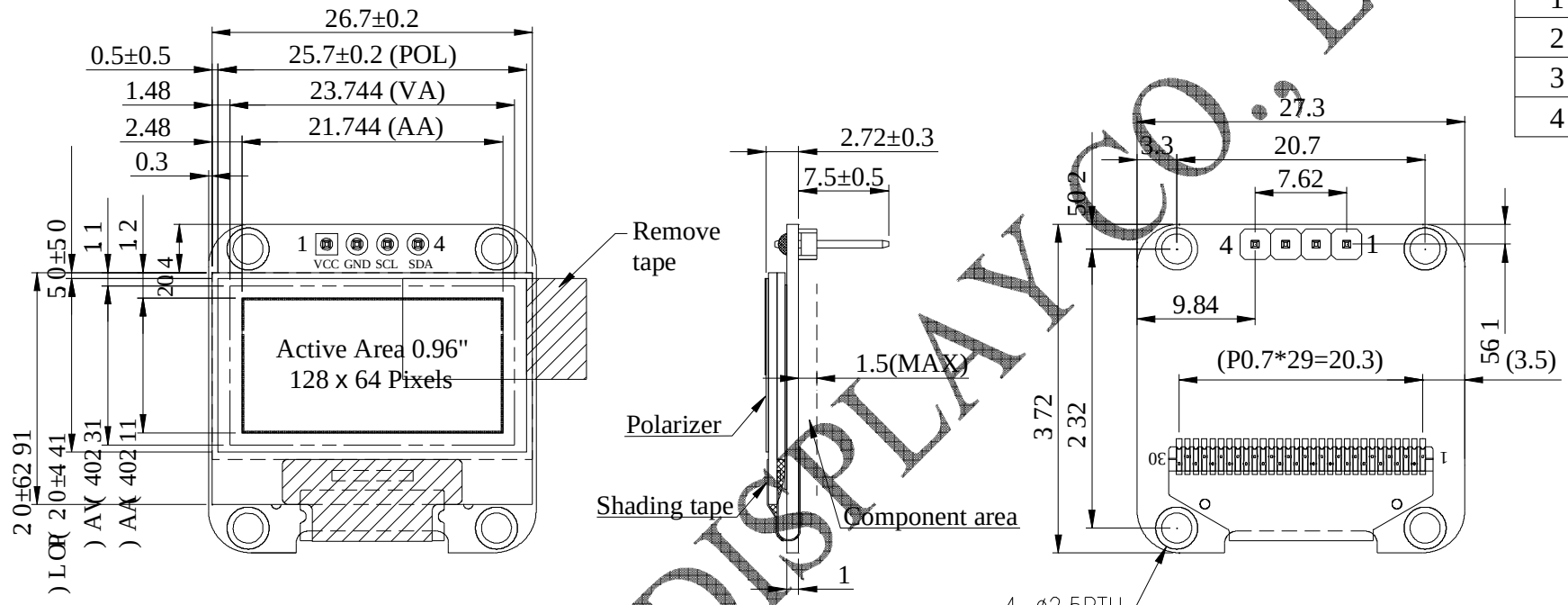
General Specification

Item	Dimension	Unit
Dot Matrix	128 × 64 Dots	—
Module dimension	27.3 × 27.3 × 2.72	mm
Active Area	21.744 × 11.204	mm
Pixel Size	0.148 × 0.148	mm
Pixel Pitch	0.17 × 0.17	mm
Display Mode	Passive Matrix	
Display Color	Dual Color (Yellow / Sky Blue)	
Drive Duty	1/64 Duty	
IC	SSD1306	
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



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	The serial clock input
4	SDA	The serial data input

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	2	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	3.3	5.2	V
Input High Volt.	VIH	–	0.8×VCC	–	VCC	V
Input Low Volt.	VIL	–	0	–	0.2×VCC	V
Output High Volt.	VOH	–	0.9×VCC	–	VCC	V
Output Low Volt	VOL	–	0	–	0.1×VCC	V
50% Check Board operating Current	ICC	VCC=3.3V	–	14.0	22.0	mA

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