WINSTAR Display

OLED SPECIFICATION

Model No:

WEA9616x#A00-FC

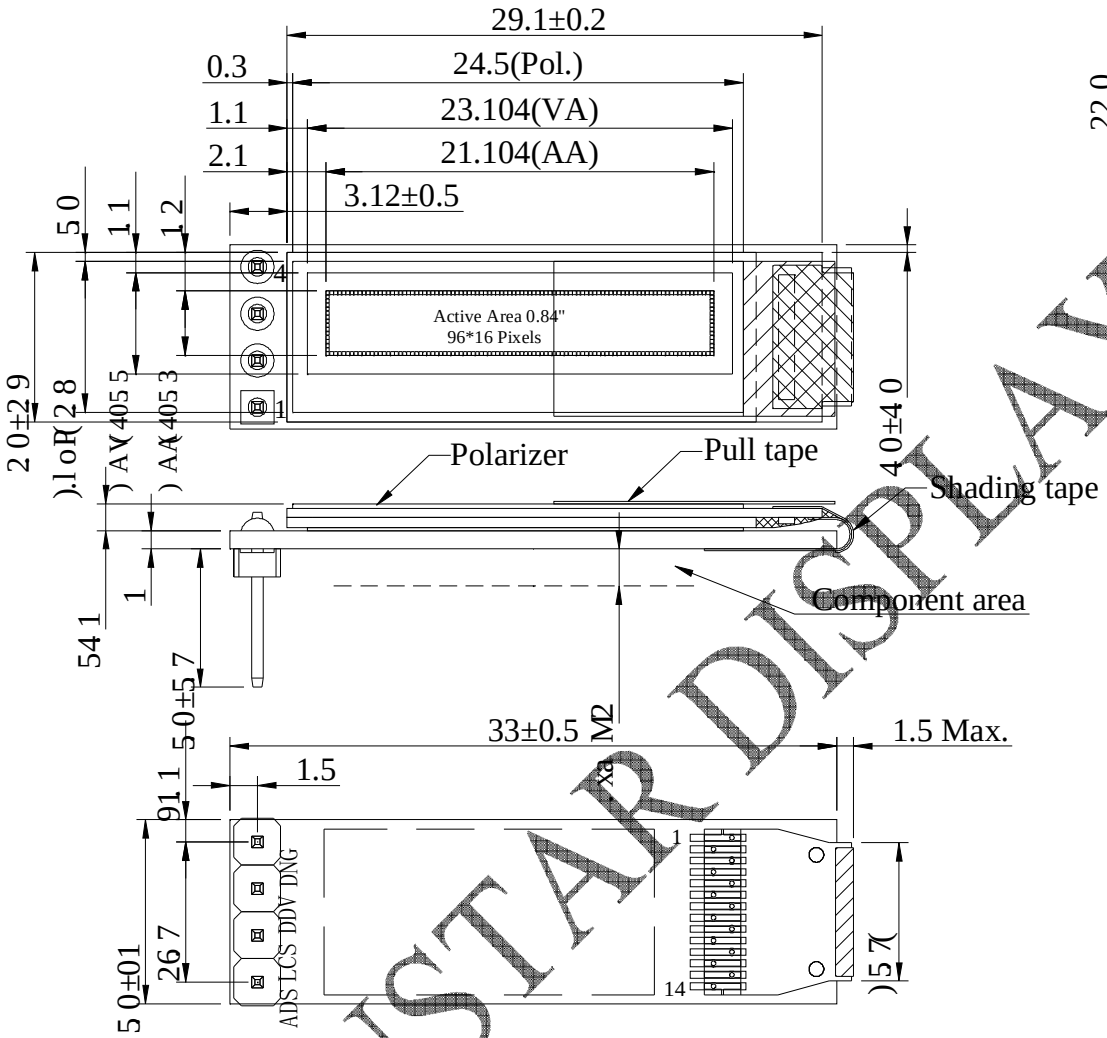
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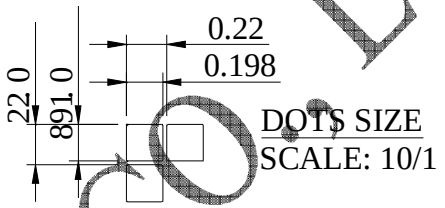
General Specification

Item	Dimension	Unit
Dot Matrix	96 x 16 Dots	—
Module dimension	33 × 10 × 2.45	mm
Active Area	21.104 × 3.504	mm
Pixel Size	0.198 × 0.198	mm
Pixel Pitch	0.220 × 0.220	mm
Display Mode	Passive Matrix	
Display Color	Monochrome	
Drive Duty	1/16Duty	
IC	SSD1306BZ	
Interface	I2C	
Size	0.84 inch	

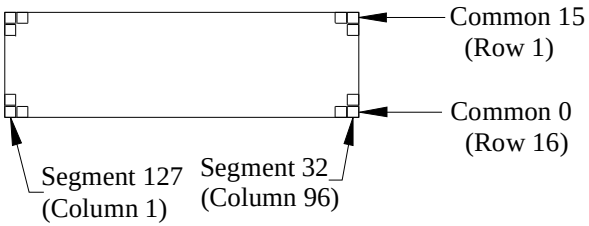
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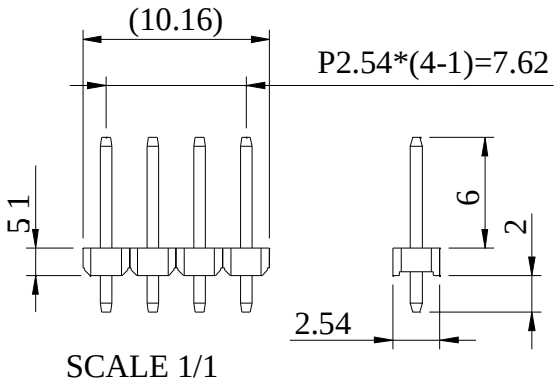
Contour Drawing & Block Diagram





PIN	SYMBOL
1	GND
2	VDD
3	SCL
4	SDA





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

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Interface Pin Function

No.	Symbol	Function
1	GND	Ground
2	VDD	Power supply input.
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	VDD	0	4.0	V
Supply Voltage for Display	VCC	0	16.0	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	VDD	—	2.8	3.0	3.2	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	—	13.0	26.0	mA

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