

WINSTAR Display

OLED SPECIFICATION

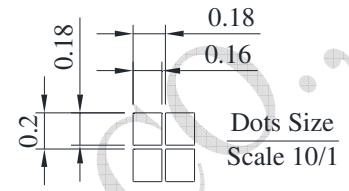
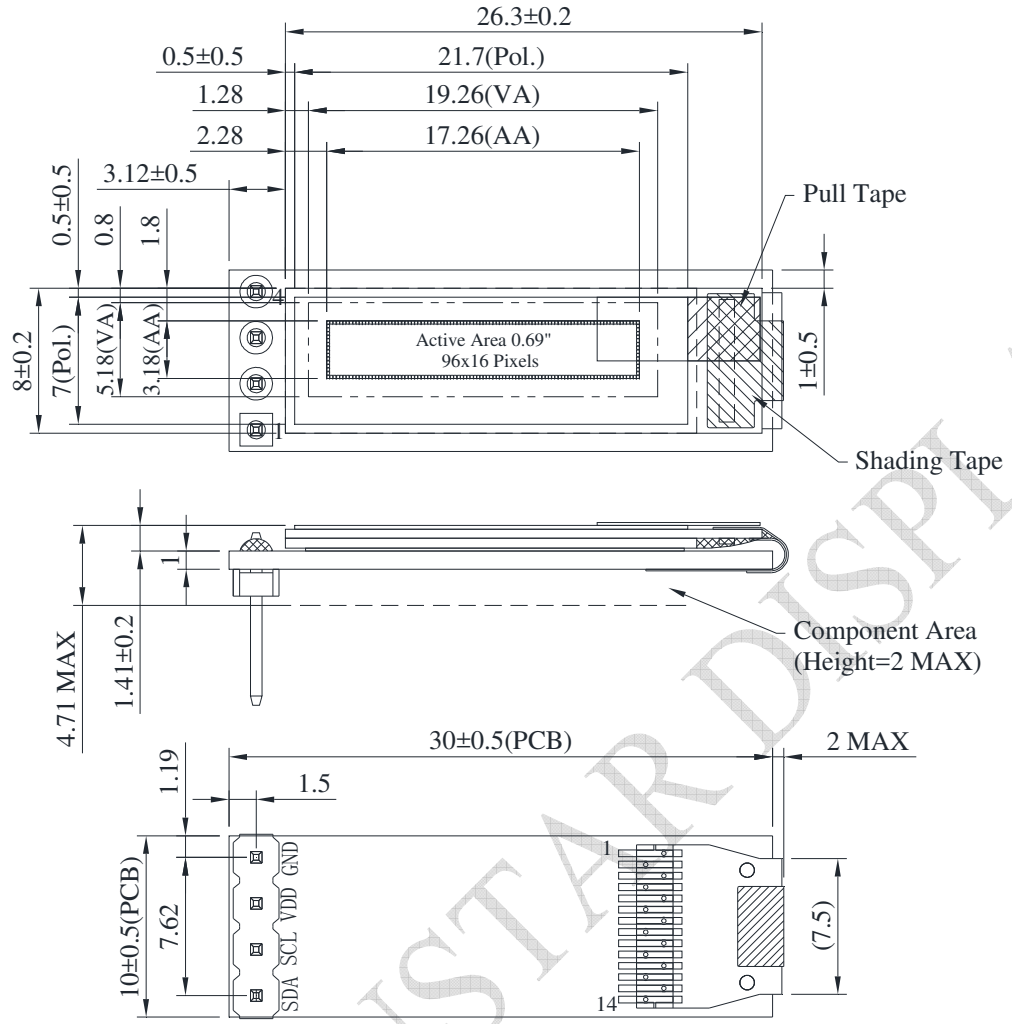
Model No:

WEA009616B

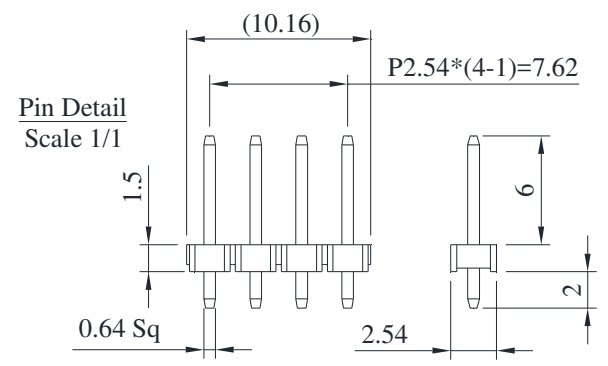
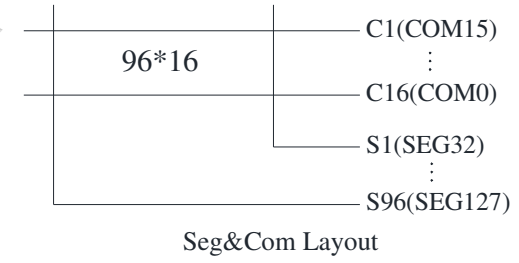
General Specification

Item	Dimension	Unit
Dot Matrix	96 × 16 Dots	—
Module dimension	30.0 × 10.0 × 4.71(Max)	mm
Active Area	17.26 × 3.18	mm
Pixel Size	0.16 × 0.18	mm
Pixel Pitch	0.18 × 0.20	mm
Display Mode	Passive Matrix	
Display Color	Monochrome	
Drive Duty	1/16 Duty	
IC	SSD1306	
Interface	I2C	
Size	0.69 inch	

Contour Drawing & Block Diagram



PIN	SYMBOL
1	GND
2	VDD
3	SCL
4	SDA



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

Interface Pin Function

No.	Symbol	Function
1	GND	This is a ground pin.
2	VDD	2.8 ~ 3.3V Power supply pin for core logic operation.
3	SCL	The serial clock input
4	SDA	The serial data input/output

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VDD	0	4.0	V
Operating Temperature	TOP	-30	+70	°C
Storage Temperature	TSTG	-30	+70	°C

Electrical Characteristics

DC Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VDD	—	2.8	3.0	3.3	V
Input High Volt.	VIH	—	0.8×VDD	—	VDD	V
Input Low Volt.	VIL	—	0	—	0.2×VDD	V
Output High Volt.	VOH	—	0.9×VDD	—	VDD	V
Output Low Volt.	VOL	—	0	—	0.1×VDD	V
Display 50% Pixel on	IDD	—	—	4	8	mA