

OLED DISPLAY SPECIFICATION



RAYSTAR

RAYSTAR Optronics, Inc.
曜凌光電股份有限公司



曜凌光電股份有限公司
Raystar Optronics, Inc.

T: +886-4-2565-0761 | F: +886-4-2565-0760

salescontact@raystar-optronics.com | www.raystar-optronics.com

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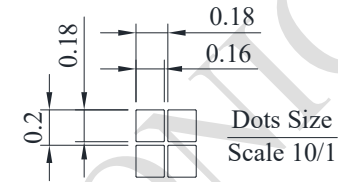
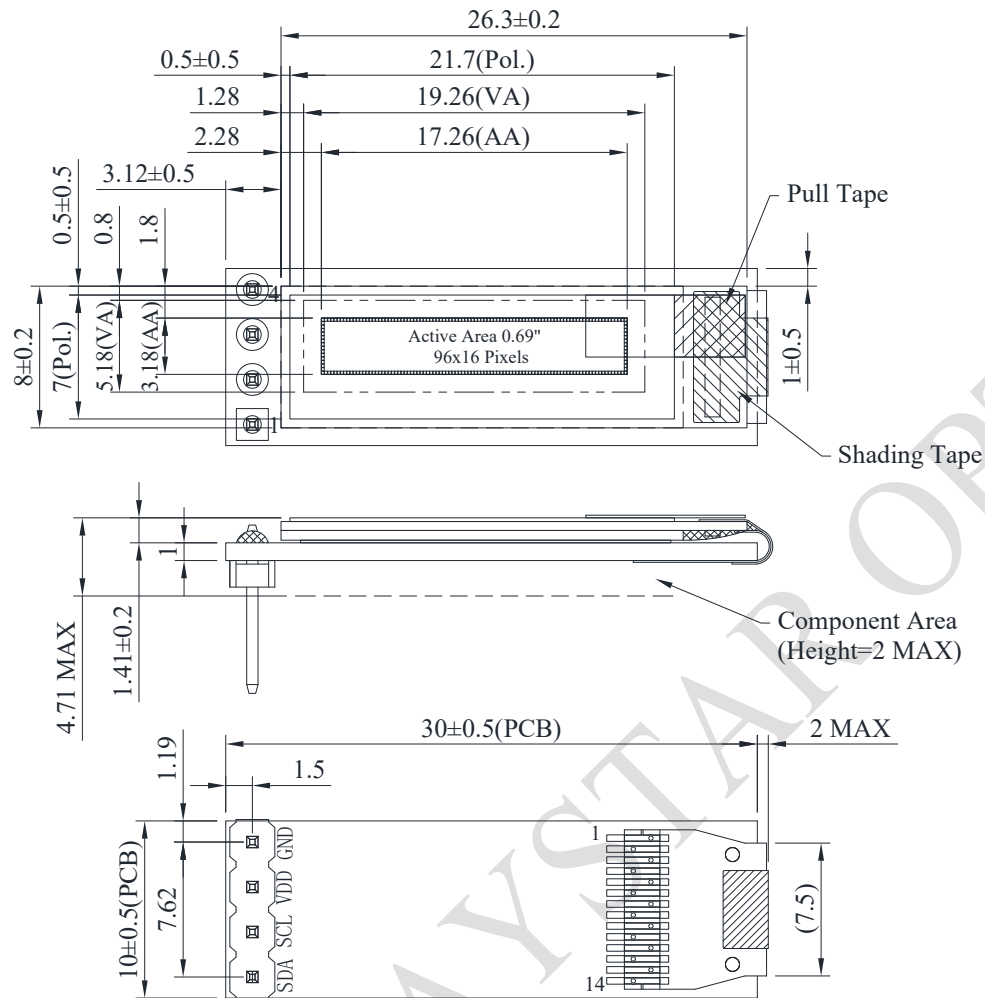
General Specification

- Module dimension: 30.0 x 10.0 x 4.71(Max) mm
- Active area: 17.26 × 3.18 mm
- Dot Matrix: 96 × 16
- Dot size: 0.16 × 0.18 mm
- Dot pitch: 0.18 × 0.20 mm
- Display Mode : Passive Matrix
- Duty: 1/16 Duty
- Display Color: Monochrome
- IC: SSD1306
- Interface: I2C
- SIZE: 0.69 inch

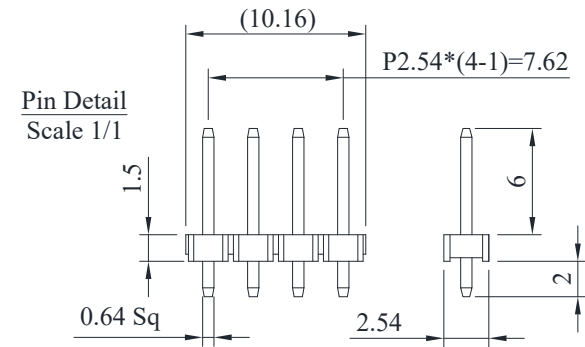
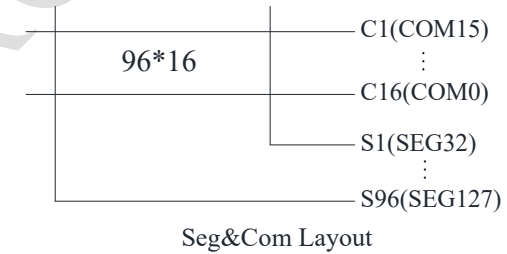
Interface Pin Function

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

Contour Drawing



PIN	SYMBOL
1	GND
2	VDD
3	SCL
4	SDA



The non-specified tolerance of dimension is $\pm 0.3\text{mm}$.

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	—	$0.8 \times VDD$	—	VDD	V
Input Low Volt.	VIL	—	0	—	$0.2 \times VDD$	V
Output High Volt.	VOH	—	$0.9 \times VDD$	—	VDD	V
Output Low Volt.	VOL	—	0	—	$0.1 \times VDD$	V
Display 50% Pixel on	IDD	—	—	4	8	mA