

OLED DISPLAY SPECIFICATION



RAYSTAR

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REA009616A

General Specification

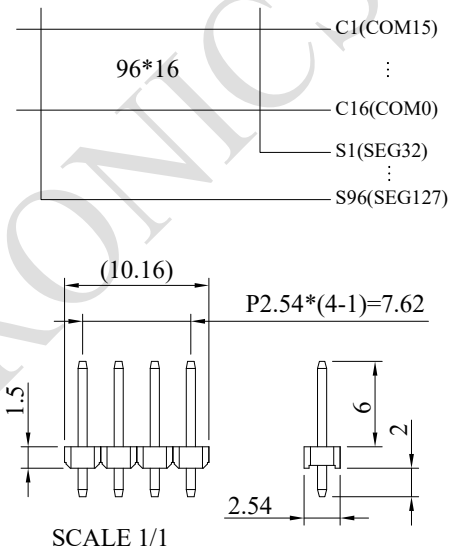
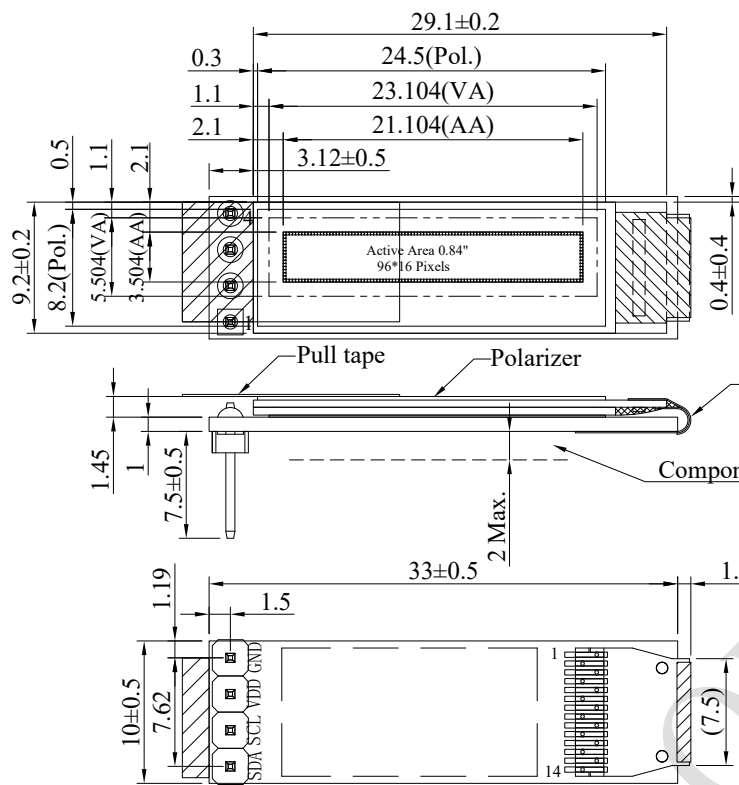
The features is described as follow:

- Module Dimension: 33 × 10 × 2.45 mm
- Active Area: 21.104 × 3.504 mm
- Dot Matrix: 96 × 16
- Dot Size: 0.198 × 0.198 mm
- Dot Pitch: 0.220 × 0.220 mm
- Display Mode : Passive Matrix
- Duty: 1/16 Duty
- Display Color: Monochrome
- IC: SSD1306
- Interface: I2C
- Size: 0.84-inch

Interface Pin Function

Pin 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	

Contour Drawing



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

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VDD	0	4.0	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	—	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
50% Check Board Operating Current	IDD	VDD=3V	—	13.0	26.0	mA