



RAYSTAR

RAYSTAR Optronics, Inc.  
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## SPECIFICATION

Model No:  
REA012864M

### General Specification

The Features is described as follow:

- Dot Matrix: 128 x 64 Dots
- Module dimension: 27.3 × 27.3 × 1.41 (mm)
- Active Area: 21.746 × 11.206 (mm)
- Pixel Size: 0.15 × 0.15 (mm)
- Pixel Pitch: 0.17 × 0.17 (mm)
- Display Mode: Passive Matrix
- Display Color: Yellow / Sky Blue
- Drive Duty: 1/64 Duty
- IC: SSD1306
- Interface: I2C
- SIZE: 0.96 inch

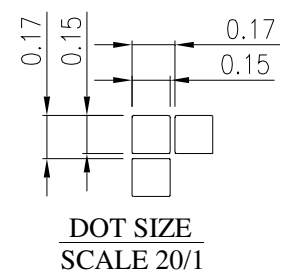
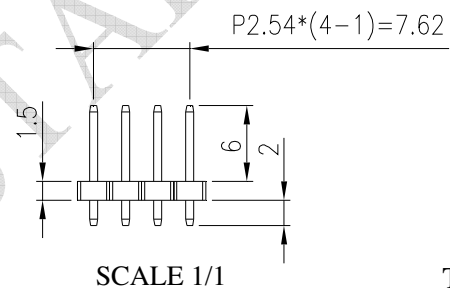
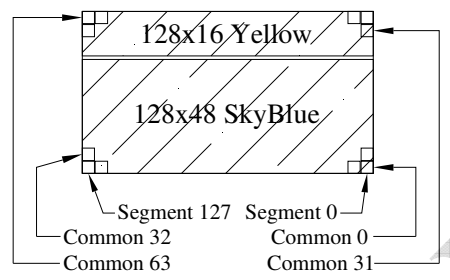
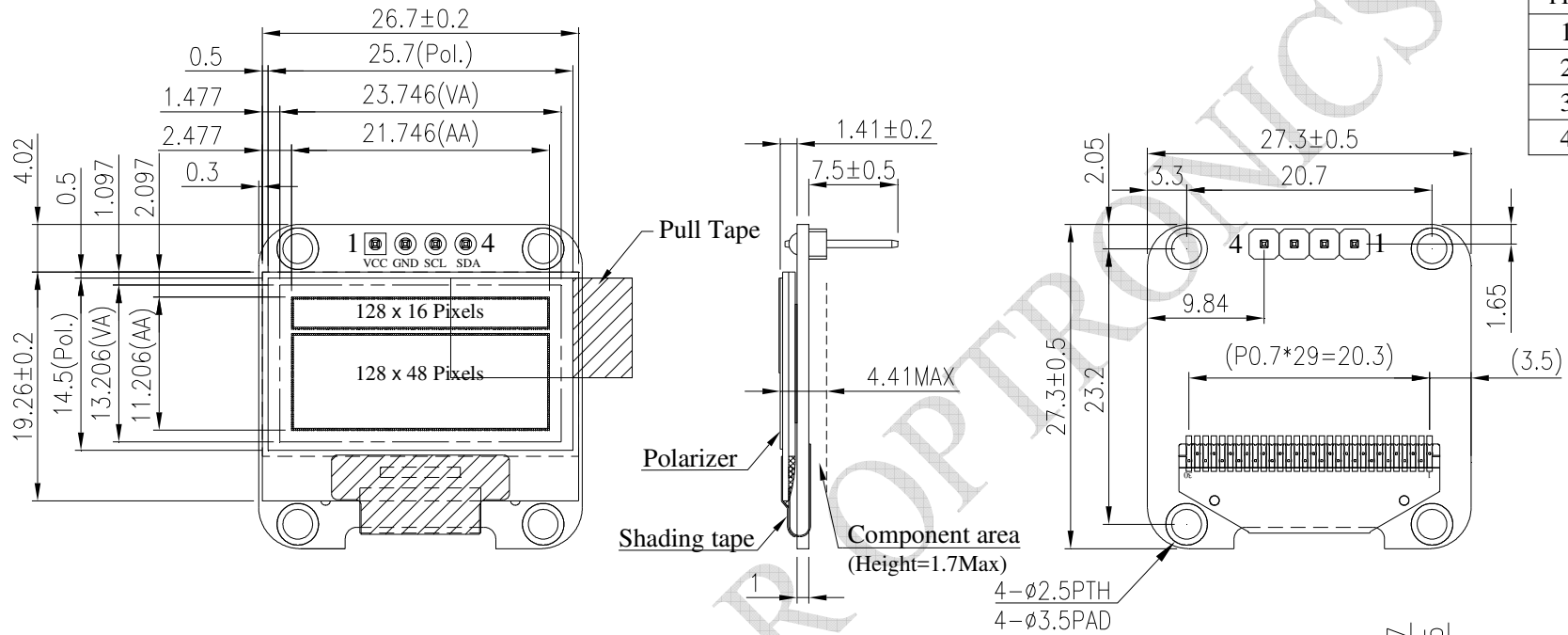
## Interface Pin Function

No.	Symbol	Function
1	VCC	Power supply input
2	GND	Ground
3	SCL	The serial clock input
4	SDA	The serial data input

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# Contour Drawing & Block Diagram

PIN	SYMBOL
1	VCC
2	GND
3	SCL
4	SDA



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

## 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	—	15.0	23.0	mA