

OLED DISPLAY SPECIFICATION



RAYSTAR

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REA012864D-03

General Specification

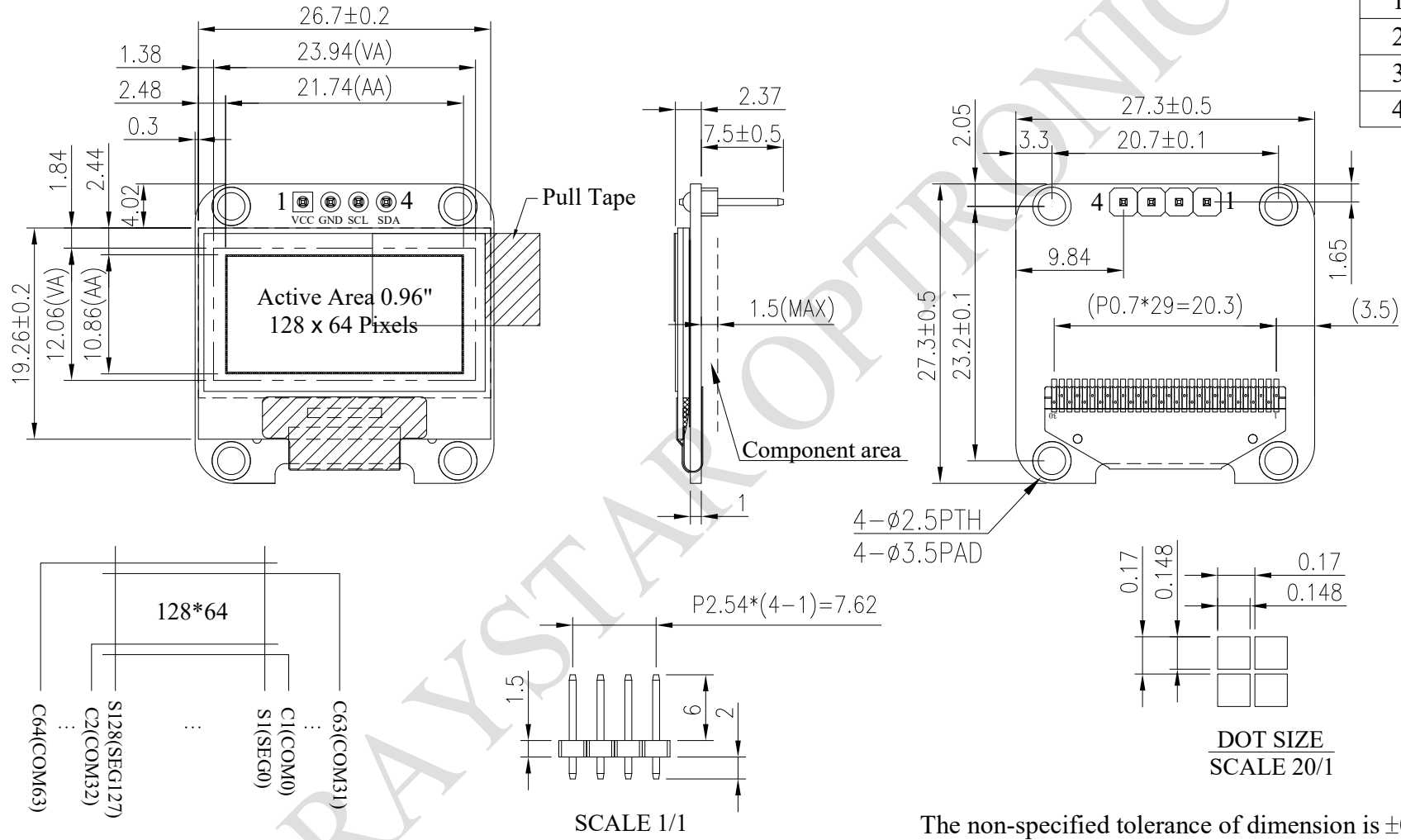
- Module dimension : 27.30 x 27.30 x 2.37mm
- Active area : 21.74 × 10.86 mm
- Dot Matrix : 128 × 64
- Dot size : 0.148 × 0.148 mm
- Dot pitch : 0.17 × 0.17 mm
- Display Mode : Passive Matrix
- Duty : 1/64 Duty
- Display Color : Monochrome
- IC : SD1306
- Interface : I2C
- Size : 0.96 inch

Interface Pin Function

No.	Symbol	Function
1	VCC	Power supply input: 2.8 – 5.2V
2	GND	Ground
3	SCL	The serial clock input.
4	SDA	The serial data input/output.

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Contour Drawing



PIN	SYMBOL
1	VCC
2	GND
3	SCL
4	SDA

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

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	1.65	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	—	3.0	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	23	mA