

OLED DISPLAY SPECIFICATION



RAYSTAR

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REA006448A

General Specification

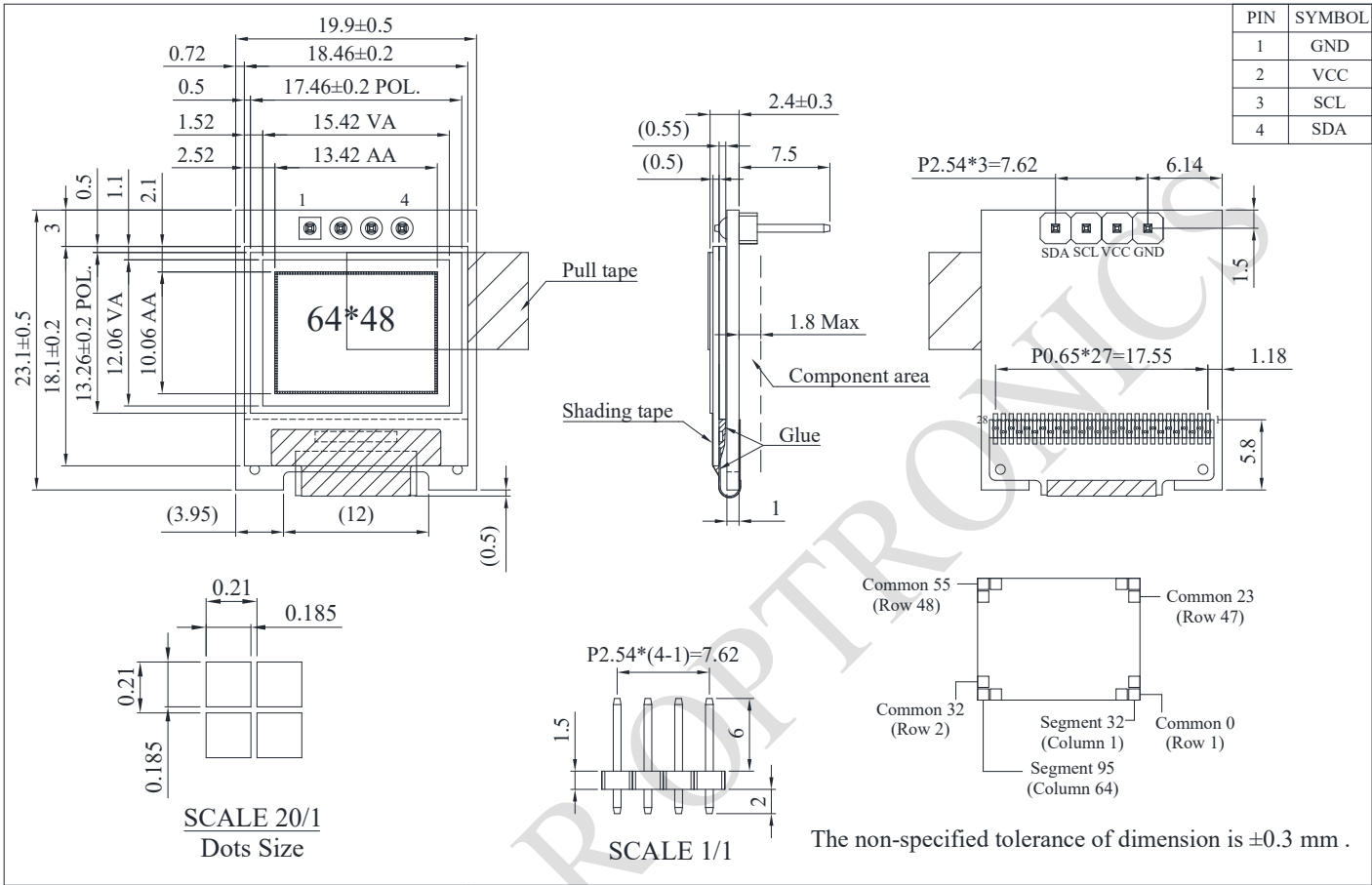
The features is described as follow:

- Module Dimension: 19.9 x 23.1 x 2.4 mm
- Active Area: 13.42 x 10.06 mm
- Dot Matrix: 64 x 48
- Pixel Size: 0.185 x 0.185 mm
- Pixel Pitch: 0.210 x 0.210 mm
- Duty: 1/48 Duty
- Display Mode: Passive Matrix
- Display Color: Monochrome
- Interface: I2C
- IC: SSD1306
- Size: 0.66-inch

Interface Pin Function

Pin No	Symbol	Function
1	GND	Ground
2	VCC	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



Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	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	VCC	—	2.8	3.0	3.3	V
Input High Volt	VIH	—	$0.8 \times VCC$	—	VCC	V
Input Low Volt	VIL	—	0	—	$0.2 \times VCC$	V
Output High Volt	VOH	—	$0.9 \times VCC$	—	VCC	V
Output Low Volt	VOL	—	0	—	$0.1 \times VCC$	V
50% Check Board Operating Current	ICC	VCC=3V	—	15	30	mA