

OLED DISPLAY SPECIFICATION



RAYSTAR

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REA012864L(I2C)

General Specification

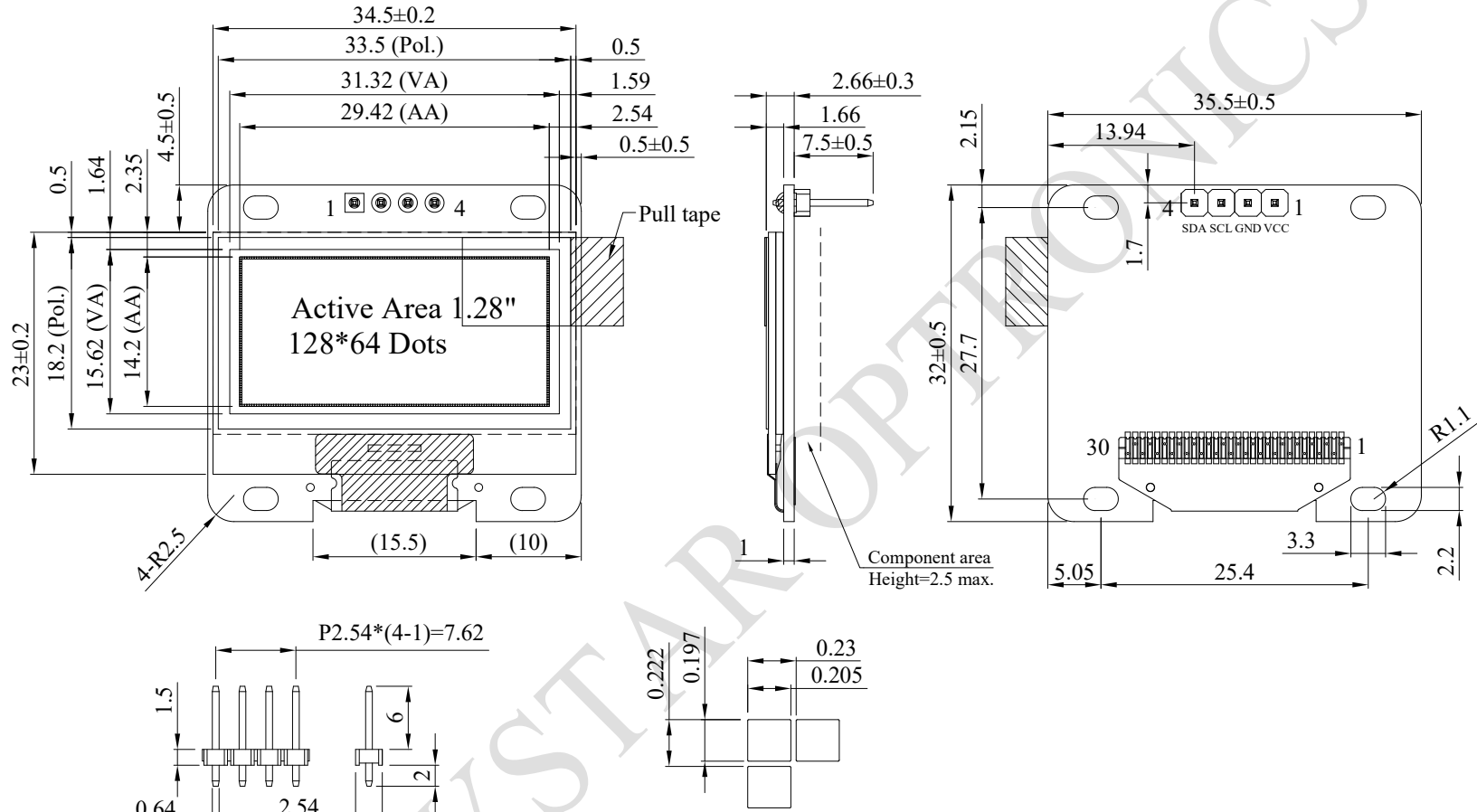
- Module dimension: 35.50 × 32.00 × 2.66 mm
- Active area: 29.42 × 14.20 mm
- Dot Matrix: 128 × 64
- Dot size: 0.205 × 0.197 mm
- Dot pitch: 0.230 × 0.222 mm
- Display Mode : Passive Matrix
- Duty: 1/64 Duty
- Display Color: Monochrome
- IC: SH1106
- Interface: I2C
- Size: 1.28 inch

Interface Pin Function

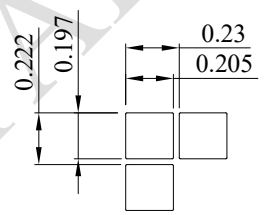
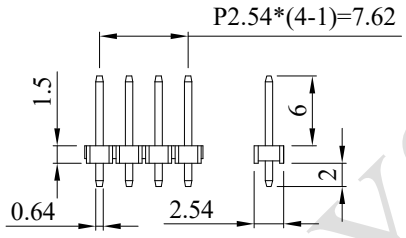
No.	Symbol	Function
1	VCC	Power supply input
2	GND	Ground
3	SCL	The serial clock input
4	SDA	The serial data input

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Contour Drawing



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	—	2.9	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	—	0.8×VCC	—	VCC	V
Output Low Volt.	VOL	—	0	—	0.2×VCC	V
50% Check Board operating Current	ICC	VCC =3.3V	-	25	37.5	mA