



**RAYSTAR**



**SPECIFICATION**

# OLED SPECIFICATION

Model No:

REA012864L

## General Specification

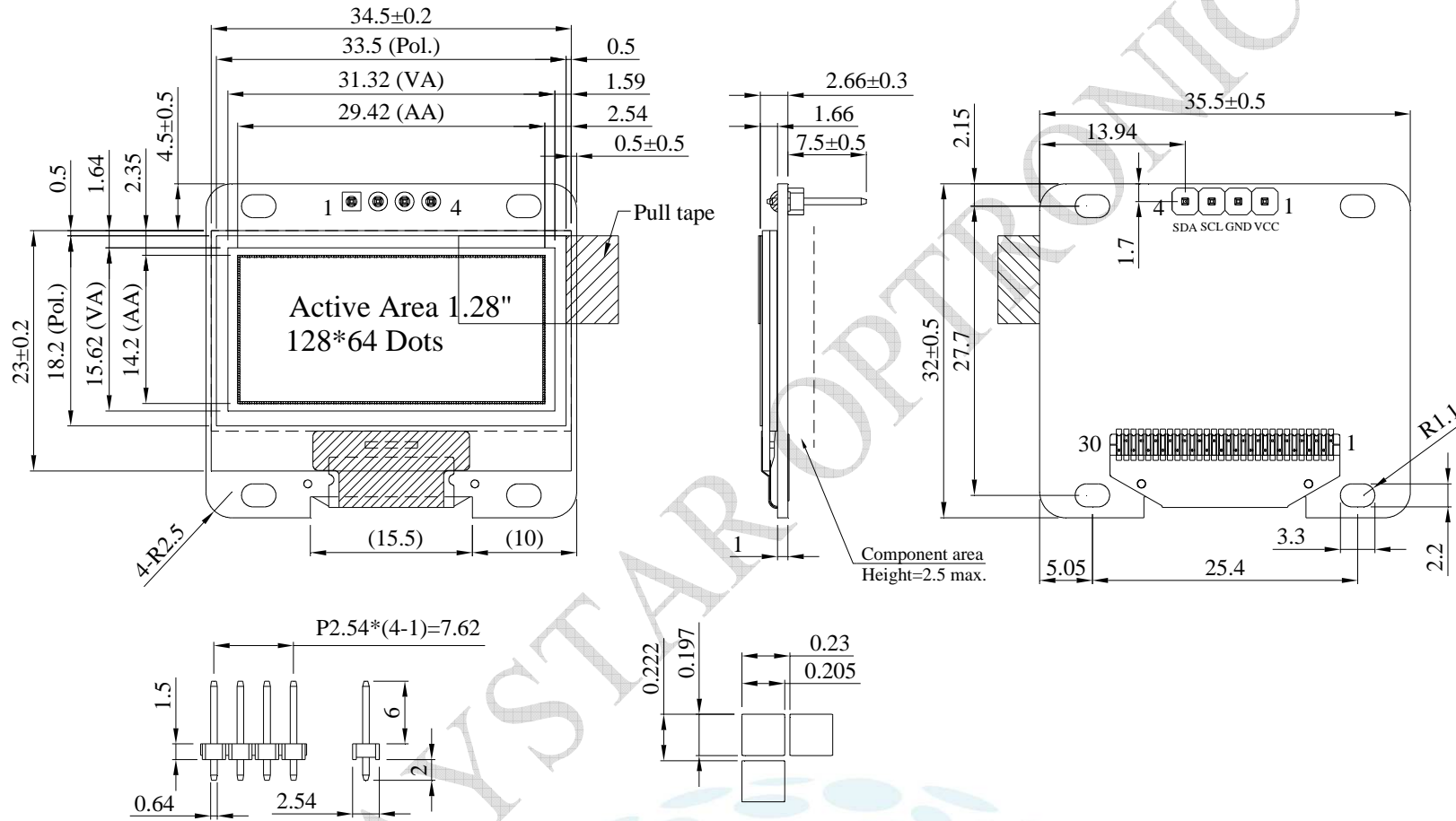
The Features is described as follow:

- 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

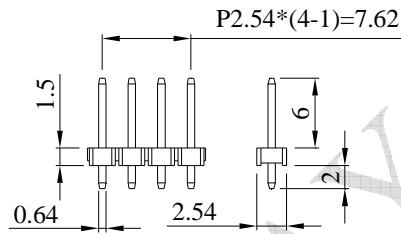
## Interface Pin Function

No.	Symbol	Function
1	VCC	Power supply input: 2.9 – 5.2V
2	GND	Ground
3	SCL	When the I2C interface is selected, then D0 serves as the serial clock input pad (SCL) and D1
4	SDA	serves as the serial data input pad (SDAI). At this time, D2 to D7 are set to high impedance.

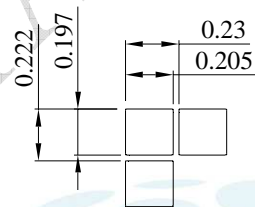
## Contour Drawing & Block Diagram



PIN	SYMBOL
1	VCC
2	GND
3	SCL
4	SDA



Scale 1/1



Scale 20/1

The non-specified tolerance of dimension is  $\pm 0.3$  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	—	0.9×VCC	—	VCC	V
Output Low Volt.	VOL	—	0	—	0.1×VCC	V
50% Check Board operating Current	ICC	VCC =3.3V	-	25	37.5	mA