

OLED DISPLAY SPECIFICATION



RAYSTAR

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REA064128B

General Specification

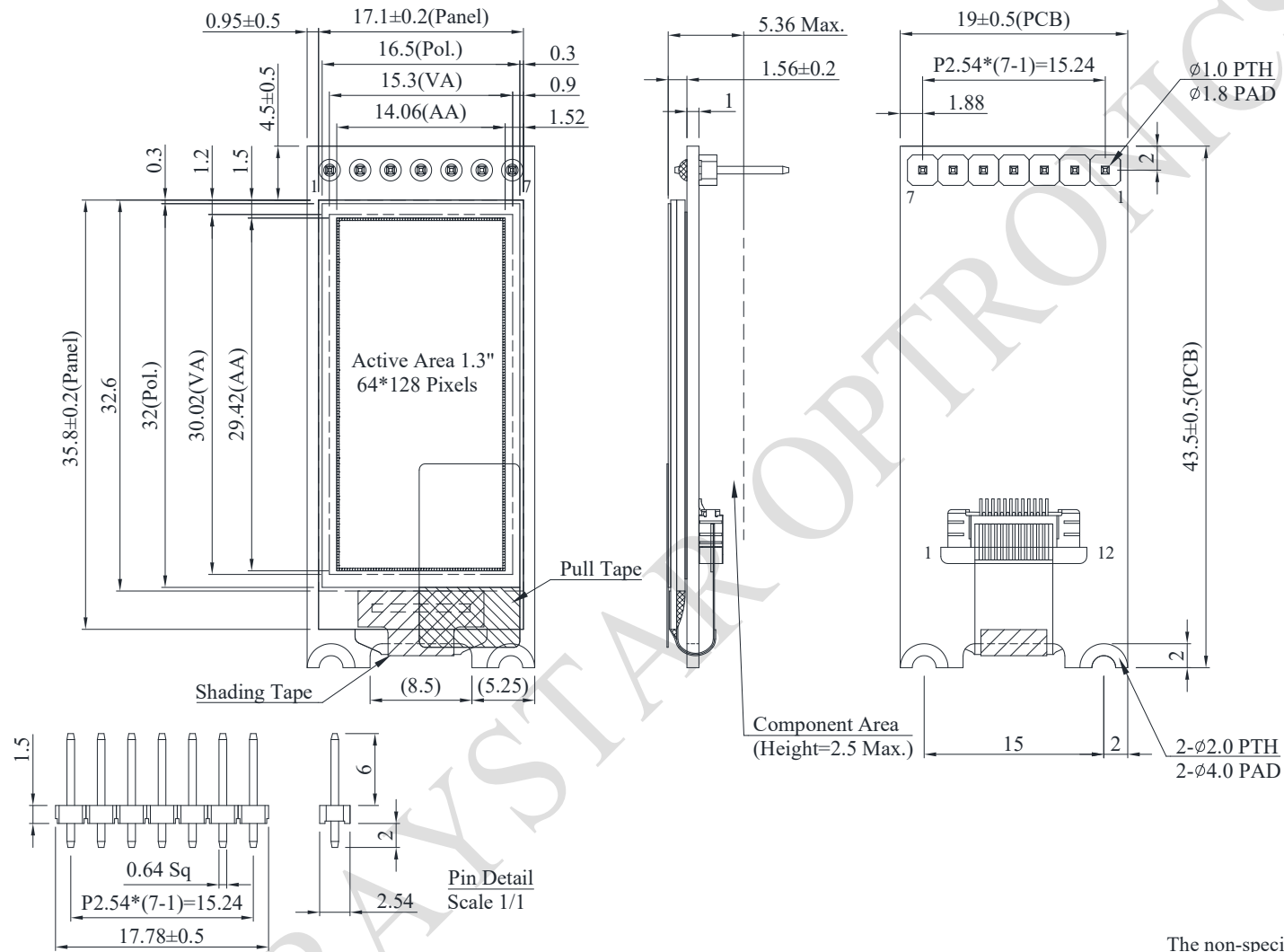
The Features is described as follow:

- Module dimension: 17.1 × 35.80 × 5.36Max.mm
- Active area: 14.06 × 29.42 mm
- Dot Matrix: 64 × 128
- Pixel size: 0.20 × 0.21 mm
- Pixel pitch: 0.22 × 0.23 mm
- Display Mode : Passive Matrix
- Duty: 1/64 Duty
- Display Color: Monochrome
- IC: SH1107
- Interface: 4-wire SPI
- SIZE:1.3 inch

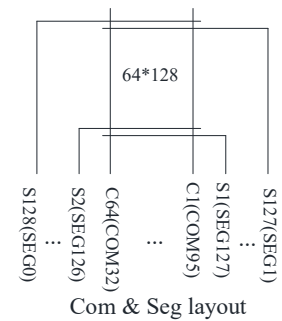
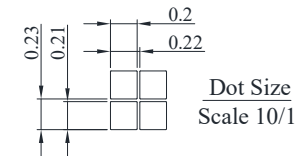
Interface Pin Function

No.	Symbol	Function
1	GND	Ground
2	VCC	Power supply input
3	D0	The serial clock input
4	D1	The serial data input
5	RES#	This is a reset signal input pad. When $\overline{\text{RES}}$ is set to "L", the settings are initialized. The reset operation is performed by the $\overline{\text{RES}}$ signal level.
6	D/C#	This is the Data/Command control
7	CS#	This pad is the chip select input.

Contour Drawing



PIN	SYMBOL
1	GND
2	VCC
3	D0
4	D1
5	RES#
6	D/C#
7	CS#



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

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	-0.3	3.6	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	—	2.5	3.3	3.5	V
Input High Volt.	VIH	—	0.8×VCC	—	VCC	V
Input Low Volt.	VIL	—	VSS	—	0.2×VCC	V
Output High Volt.	VOH	—	0.8×VCC	—	VCC	V
Output Low Volt.	VOL	—	VSS	—	0.2×VCC	V
Display 50% Pixel on	ICC	VCC=3.3V	—	60	90	mA