

WINSTAR Display

OLED SPECIFICATION

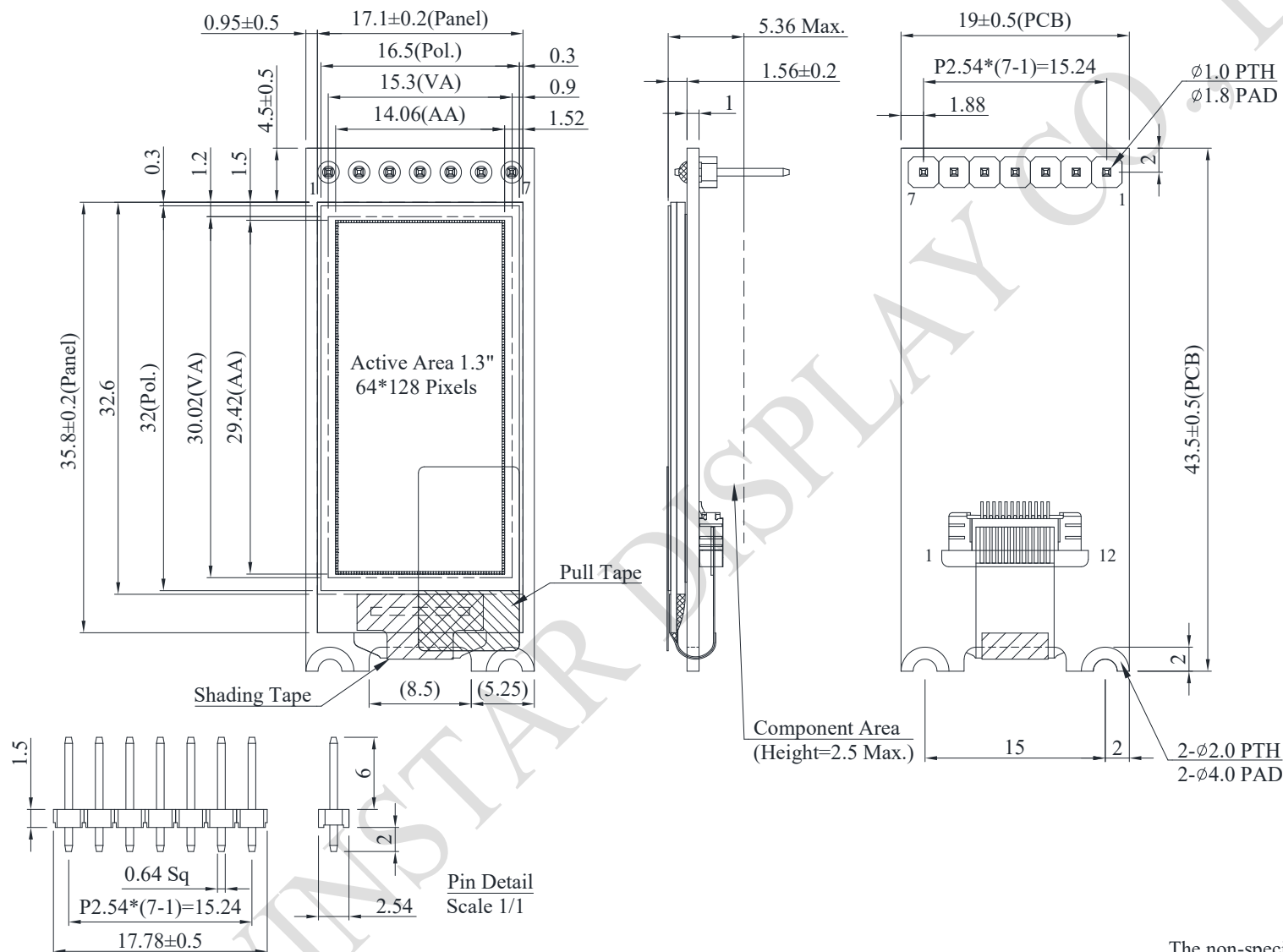
Model No:

WEA064128B

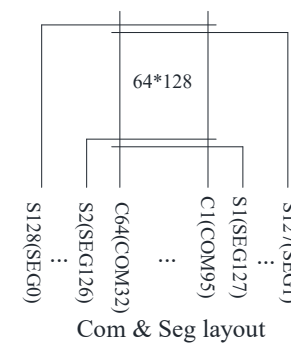
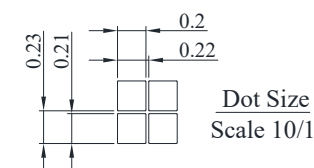
General Specification

Item	Dimension	Unit
Dot Matrix	64 x 128 Dots	—
Module dimension	17.1 × 35.80 × 5.36 Max.	mm
Active Area	14.06 × 29.42	mm
Pixel Size	0.20 × 0.21	mm
Pixel Pitch	0.22 × 0.23	mm
Display Mode	Passive Matrix	
Display Color	Monochrome	
Drive Duty	1/64 Duty	
IC	SH1107	
Interface	4-Wire SPI	
Size	1.3 inch	

Contour Drawing & Block Diagram



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



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

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.

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