

WINSTAR Display

OLED SPECIFICATION

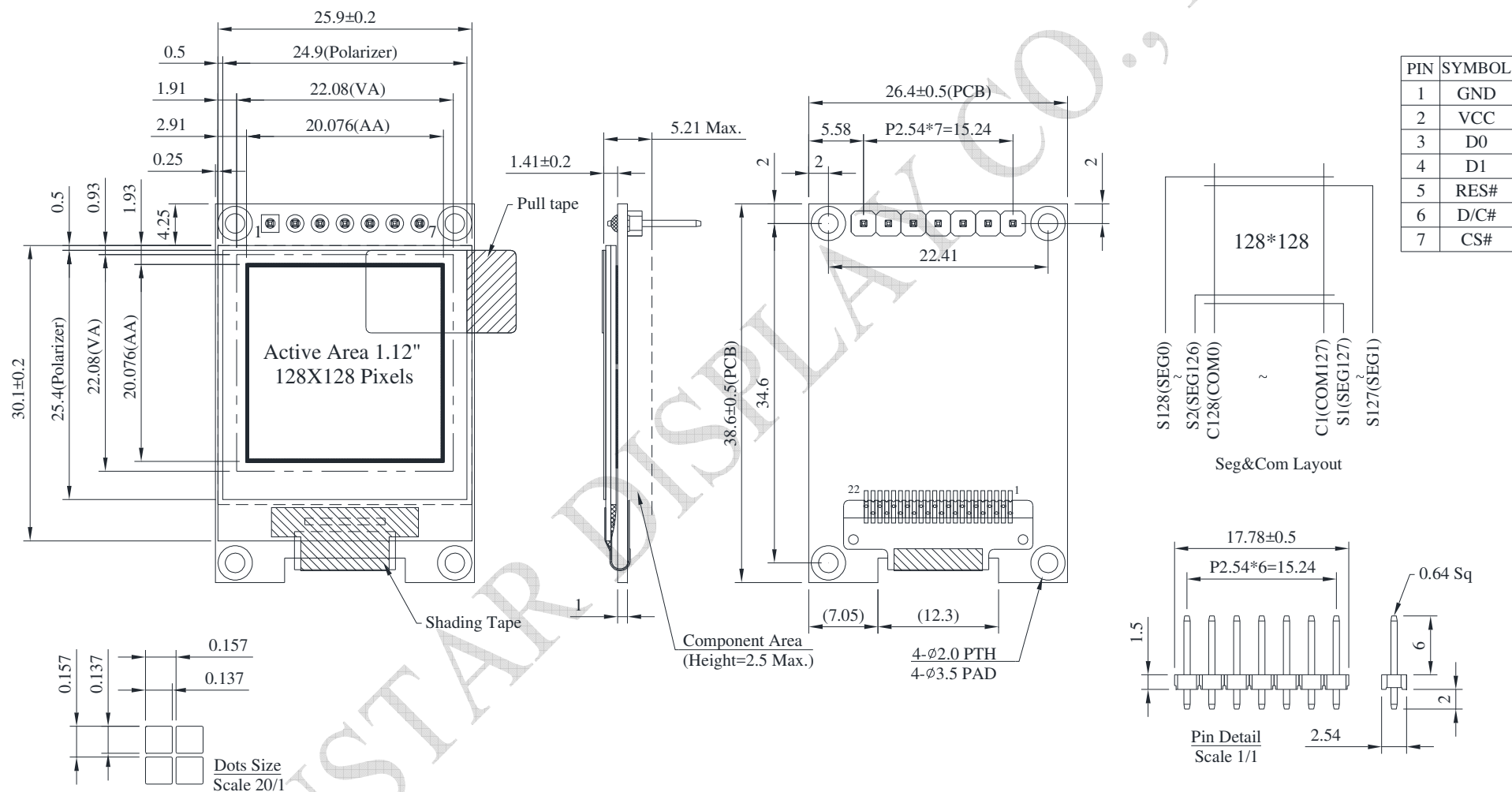
Model No:

WEA128128G

General Specification

Item	Dimension	Unit
Dot Matrix	128 x 128 Dots	—
Module dimension	26.4 x 38.6 x 5.21 Max.	mm
Active Area	20.076 x 20.076	mm
Pixel Size	0.137 x 0.137	mm
Pixel Pitch	0.157 x 0.157	mm
Display Mode	Passive Matrix	
Display Color	Monochrome	
Drive Duty	1/128 Duty	
IC	SH1107	
Interface	4-Wire SPI	
Size	1.12 inch	

Contour Drawing & Block Diagram



The non-specified tolerance of dimension is $\pm 0.3 \text{ mm}$.

Interface Pin Function

No.	Symbol	Function
1	GND	Ground
2	VCC	Power supply for logic and input.
3	D0	The serial clock input pad.
4	D1	The serial data input pad.
5	RES#	This is a reset signal input pad. When RES is set to “L”, the settings are initialized. The reset operation is performed by the RES signal level.
6	D/C#	This is the Data/Command control pad that determines whether the data bits are data or a command.
7	CS#	This pad is the chip select input.

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	0	7	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	—	2.0	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	—	$0.8 \times VCC$	—	VCC	V
Output Low Volt.	VOL	—	0	—	$0.2 \times VCC$	V
Display 50% Pixel on	ICC	VCC=3V	—	65	97.5	mA