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WINSTAR Display

OLED SPECIFICATION

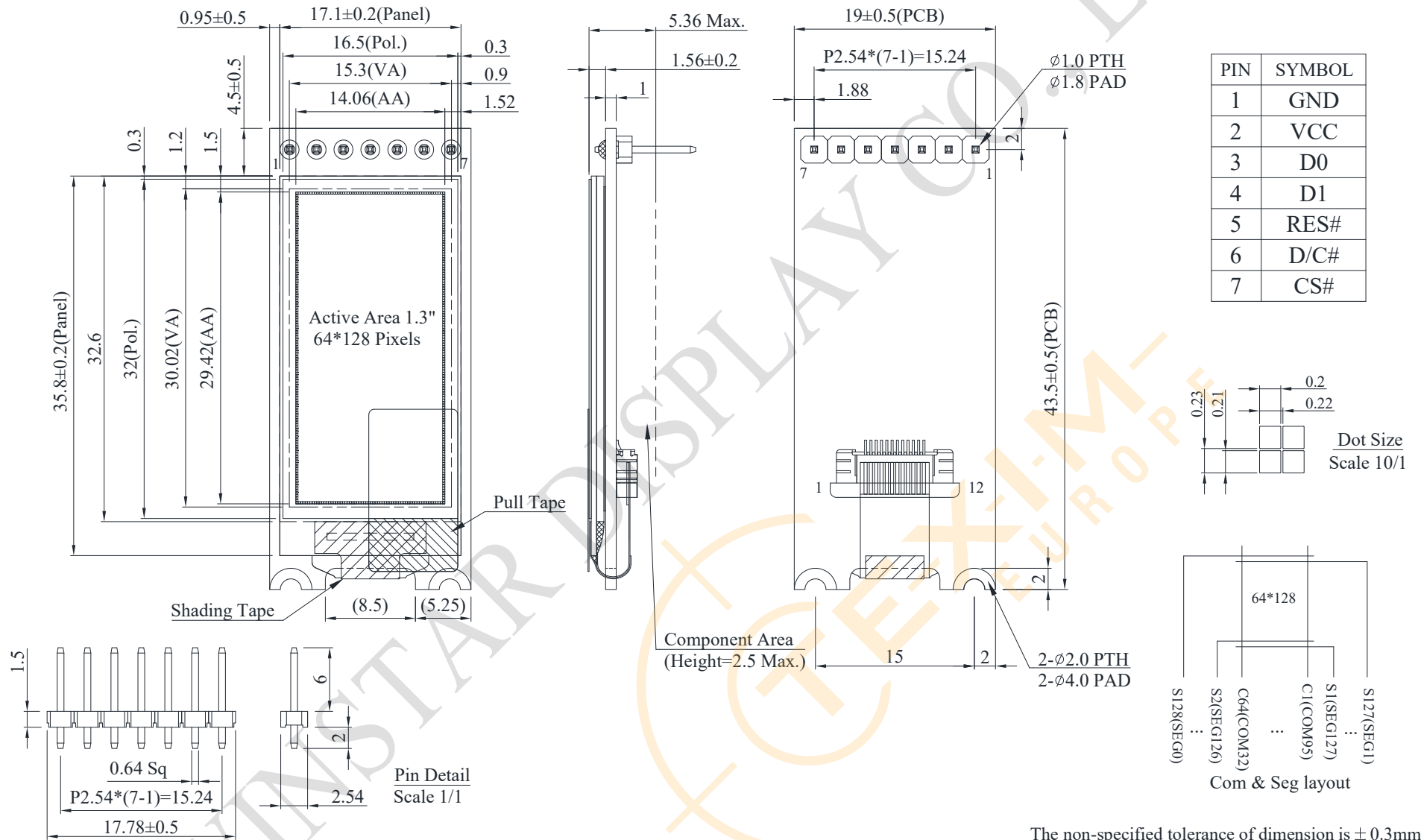
Model No:

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



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 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

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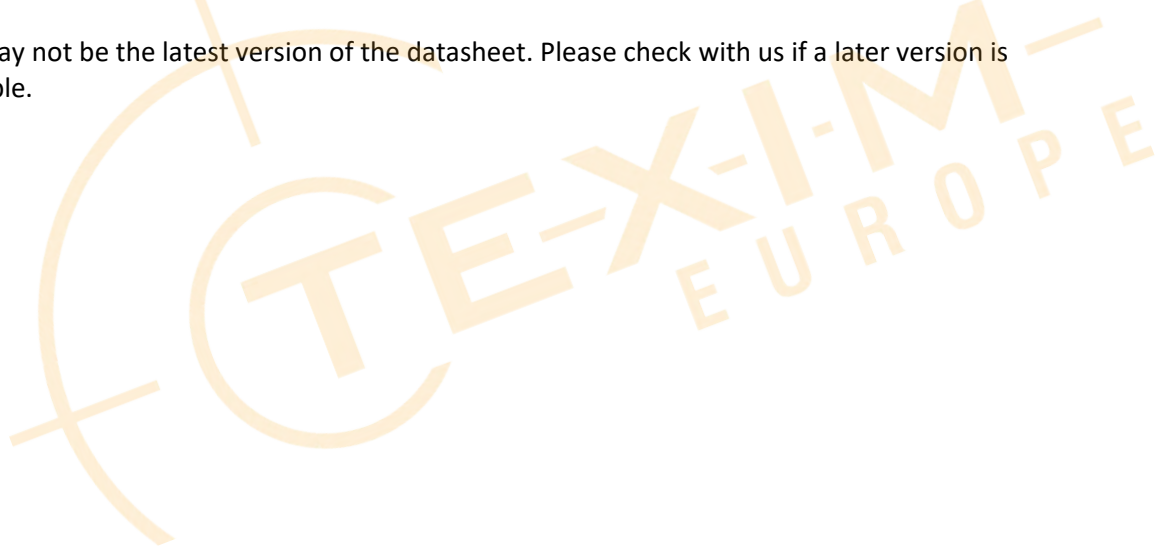
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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