

WINSTAR Display

OLED SPECIFICATION

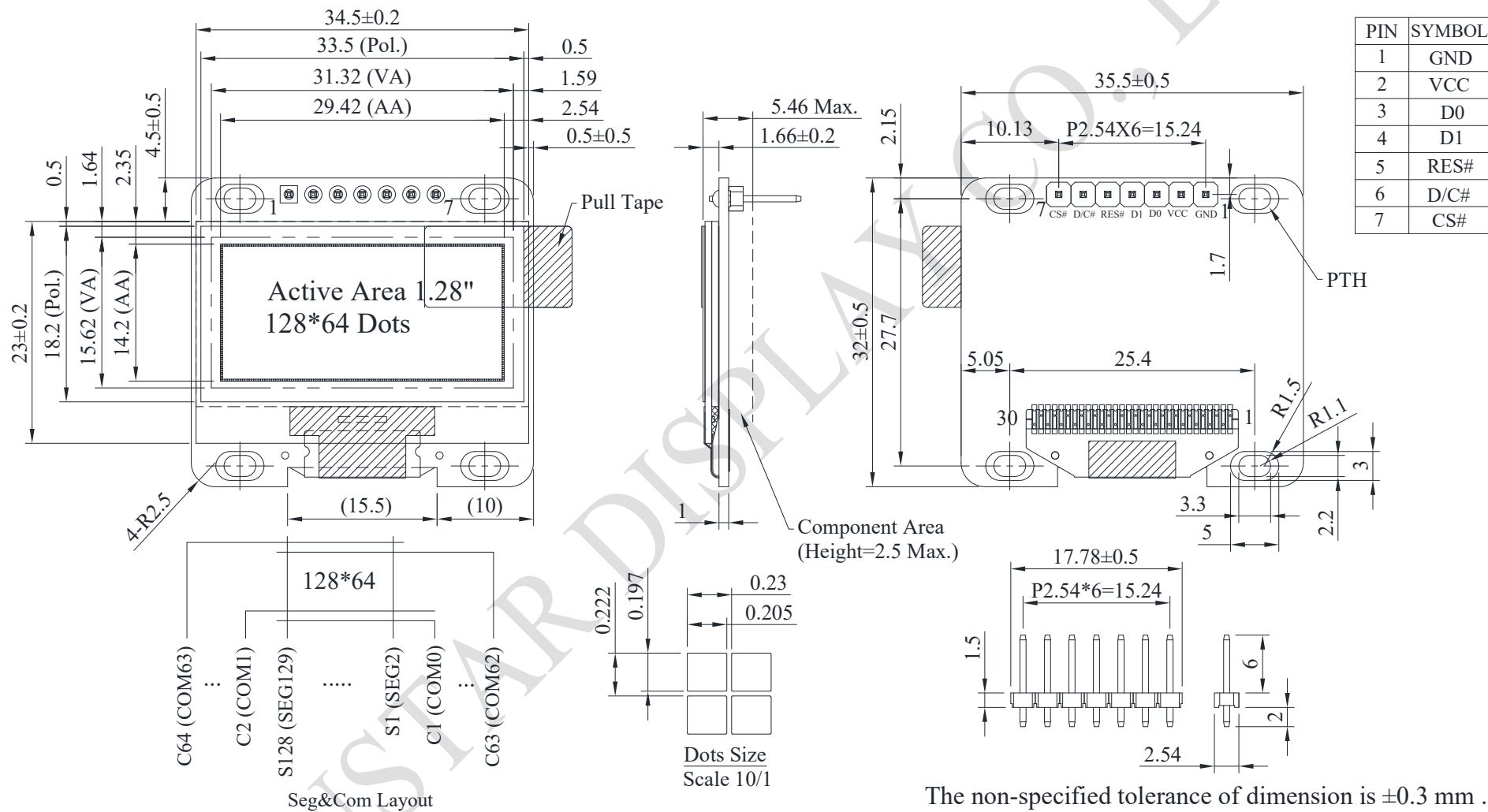
Model No:

WEA012864L

General Specification

Item	Dimension	Unit
Dot Matrix	128 × 64	—
Module dimension	35.50 × 32.00 × 5.46 Max.	mm
Active Area	29.42 × 14.20	mm
Pixel Size	0.205 × 0.197	mm
Pixel Pitch	0.230 × 0.222	mm
Display Mode	Passive Matrix	
Display Color	White	
Drive Duty	1/64 Duty	
Controller IC	SH1106	
Interface	4-Wire SPI	
Size	1.28 inch	

Contour Drawing & Block Diagram



The non-specified tolerance of dimension is ± 0.3 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	1.65	5.5	V
Operating Temperature	TOP	-40	+80	°C
Storage Temperature	TSTG	-40	+85	°C

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VCC	—	3.0	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	—	0.8×VCC	—	VCC	V
Output Low Volt.	VOL	—	0	—	0.2×VCC	V
Display 50% Pixel on	ICC	VCC =3.3V	-	25	37.5	mA