

# Osptek Display

## OLED SPECIFICATION

Model No:

**ODM154-12864W001-P7**

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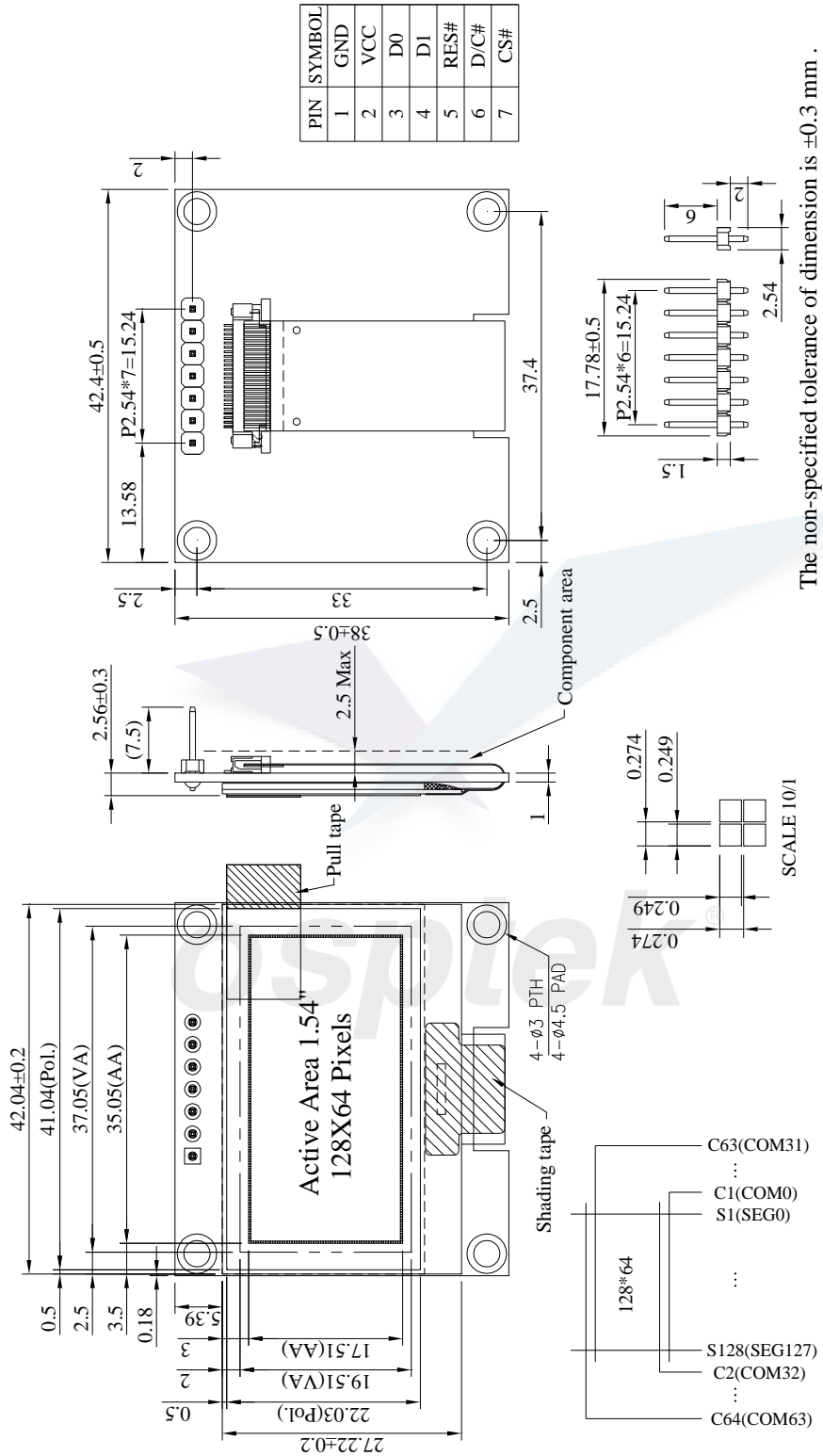
## General Specification

Item	Dimension	Unit
Dot Matrix	128 x 64 Dots	-
Module dimension	42.4 x 38 x 2.56	mm
Active Area	35.05 x 17.51	mm
Pixel Size	0.249 x 0.249	mm
Pixel Pitch	0.274 x 0.274	mm
Display Mode	Passive Matrix	
Display Color	White	
Drive Duty	1/64 Duty	
IC	SPD0301	
Interface	4-wire SPI	
Size	1.54 inch	



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# Contour Drawing & Block Diagram



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

## Interface Pin Function

No.	Symbol	Function
1	GND	Ground pin.
2	VCC	Power supply pin for core logic operation.
3	D0	The serial clock input
4	D1	The serial data input
5	RES#	This pin is reset signal input When the pin is pulled LOW, initialization of the chip is executed.Keep this pin pull HIGH during normal operation.
6	D/C#	This pin is Data/Command control pin connecting tothe MCU. When the pin is pulled HIGH, the data at D[1:0] will be interpreted as data.When the pin is pulled LOW, the data at D[1:0] willbe transferred to acommand register.
7	CS#	This pin is the chip select input connecting to the MCU. The chip is enabled for MCU communication only whenCS# is pulled LOW(active LOW).



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## Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage for Logic	VCC	2	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(3V/5V)	VCC	-	2.8	3.3	5.5	V
Input High Volt.	VIH	-	0.8xVCC	-	-	V
Input Low Volt.	VIL	-	-	-	0.2xVCC	V
Output High Volt.	VOH	-	0.9xVCC	-	-	V
Output Low Volt.	VOL	-	0	-	0.1xVCC	V
50% Check Board operating Current	ICC	VCC=3.3V	-	80	160	mA

# Circuit Diagram

