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SPECIFICATION

This product uses ROHS compliant material

Product Name:	DSI display module
PNP Part No.:	PD07001
Customer Part No.:	
Date:	2021-09-10
Revision:	V1.0

Prepared	Checked	Verified by QA Dept.	Verified by R&D Dept.

For Customer:

Approved By	Comment

1. General Information

PD07001 is a 7 inch DSI screen. It is composed of a 7 inch TFT display and a DSI adaptor board. This DSI screen has 800x480 resolution. It can be connected to Raspberry Pi as a monitor and it is real plug and play. This product accords with ROHS environmental criterion.

Item	Contents	Unit	Note
Display type	TFT, normal white	-	-
Display color	16.7M	Color	1
Viewing direction	12	O' Clock	-
	U/L/D/R: 65/65/55/65	-	-
Module size	164.90 x 100.00 x 12.70	mm	-
Viewing area(W×H)	-	mm	-
Active area (W×H)	153.84 x 85.63	mm	-
Resolution	800 x 480	dots	-
Surface luminance	450 (Typ.)	cd/m ²	-
Touch type	-	-	-
Multi-touch	-	-	2
Cover glass type	-	-	-
Interface	DSI to Raspberry Pi	-	-
Weight	TBD	g	-

Note 1: Color tune is slightly changed by temperature and driving voltage.

Note 2: Depends on operating system.

2. Absolute Maximum Ratings

2.1 Electrical absolute maximum ratings

Item	Symbol	Min.	Typ.	Max.	Unit	Note
Power supply voltage	VDD	-	5	-	V	1
LED life time	-	-	30000	-	Hr.	2

Note 1: VDD is supplied from Raspberry Pi directly.

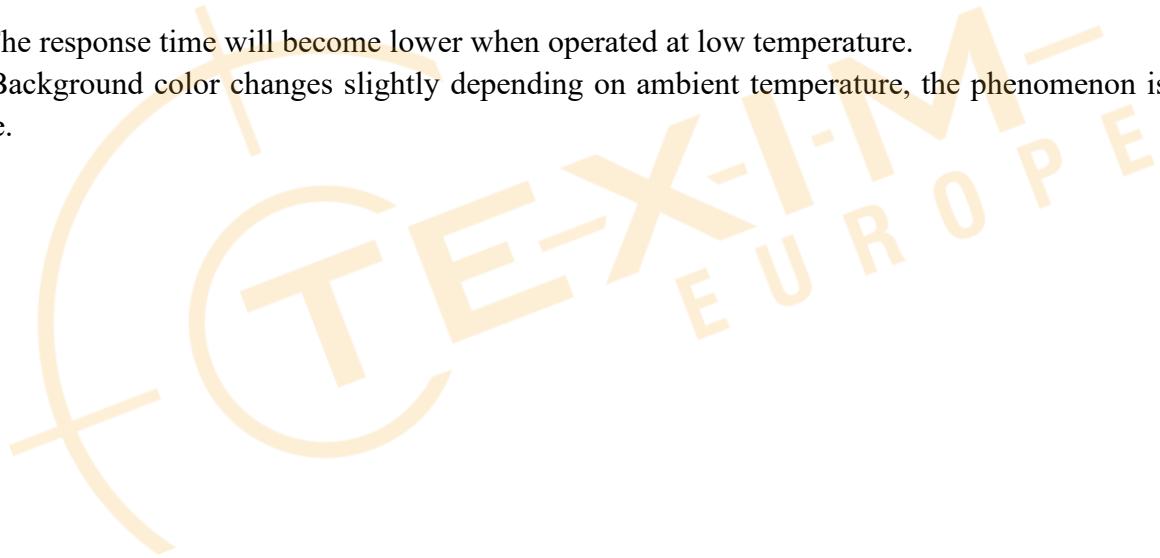
Note 2: The “LED life time” is defined as the module brightness decrease to 50% original brightness at Ta=25°C.

2.2 Environmental absolute maximum ratings

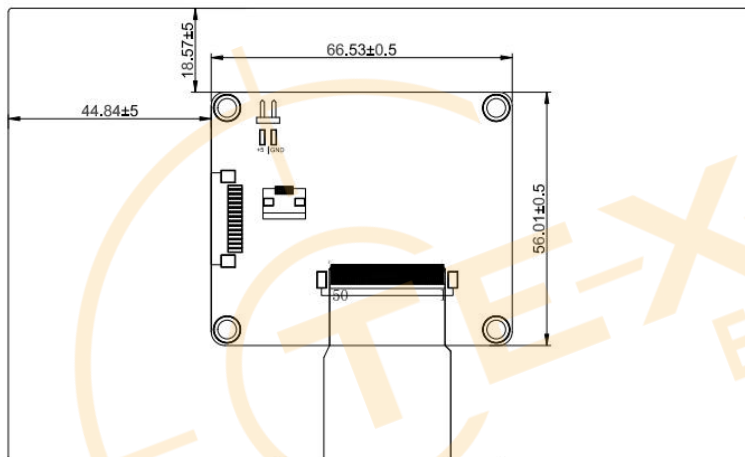
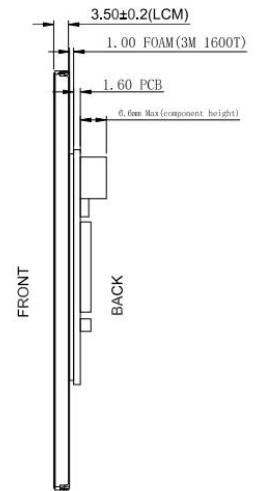
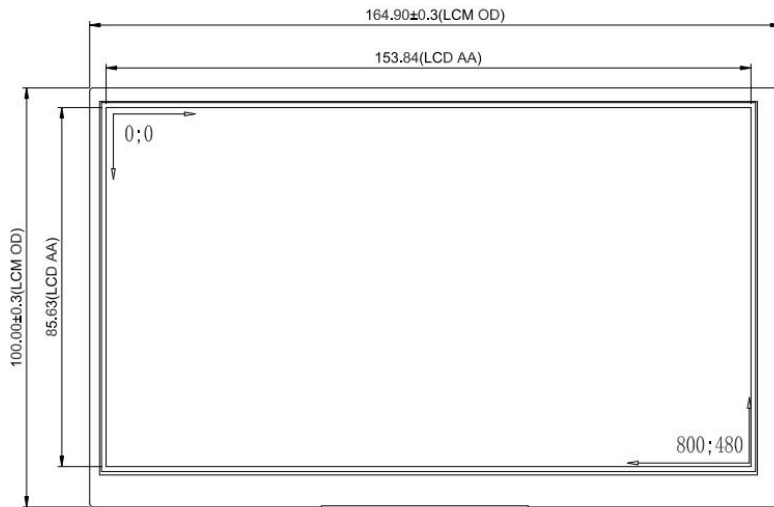
Item	Storage		Operating		Note
	Min.	Max.	Min.	Max.	
Ambient Temperature	-20°C	70°C	-10°C	60°C	1, 2

Note 1: The response time will become lower when operated at low temperature.

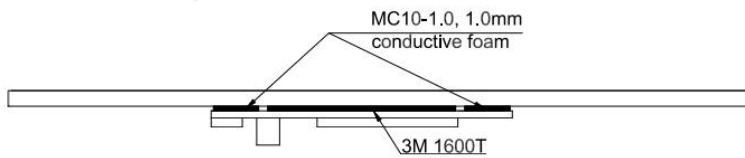
Note 2: Background color changes slightly depending on ambient temperature, the phenomenon is reversible.



3. Outline Drawing



DSI Interface	
1	GND
2	MIPI_D1N
3	MIPI_D1P
4	GND
5	MIPI_CLKN
6	MIPI_CLKP
7	GND
8	MIPI_D0N
9	MIPI_D0P
10	GND
11	SCL0
12	SDA0
13	GND
14	3V3
15	3V3



4. Module Pictures

Please consult our technical department for detail information.

5. Packing Specification

Please consult our technical department for detail information.



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