

SPECIFICATION

This product uses ROHS compliant material

Product Name:	DSI display module
PNP Part No.:	PD05001
Customer Part No.:	
Date:	2021-08-13
Revision:	V1.0

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

For Customer:

Approved By	Comment

1. General Information

PD05001 is a 5inch DSI display. It is composed of a 5inch TFT display and a DSI adaptor board. This DSI display 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 black	-	-
Display color	16.7M	Color	1
Viewing direction	Full viewing angle	O' Clock	-
Module size	120.70 x 75.80 x 9.95	mm	-
Viewing area(W×H)	-	mm	-
Active area (W×H)	108.00 x 64.80	mm	-
Resolution	800 x 480	dots	-
Surface luminance	350 (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	-	3.3	-	V	1
LED life time	-	-	30000	-	Hr.	2

Note 1: VDD is supplied from Raspberry Pi directly.

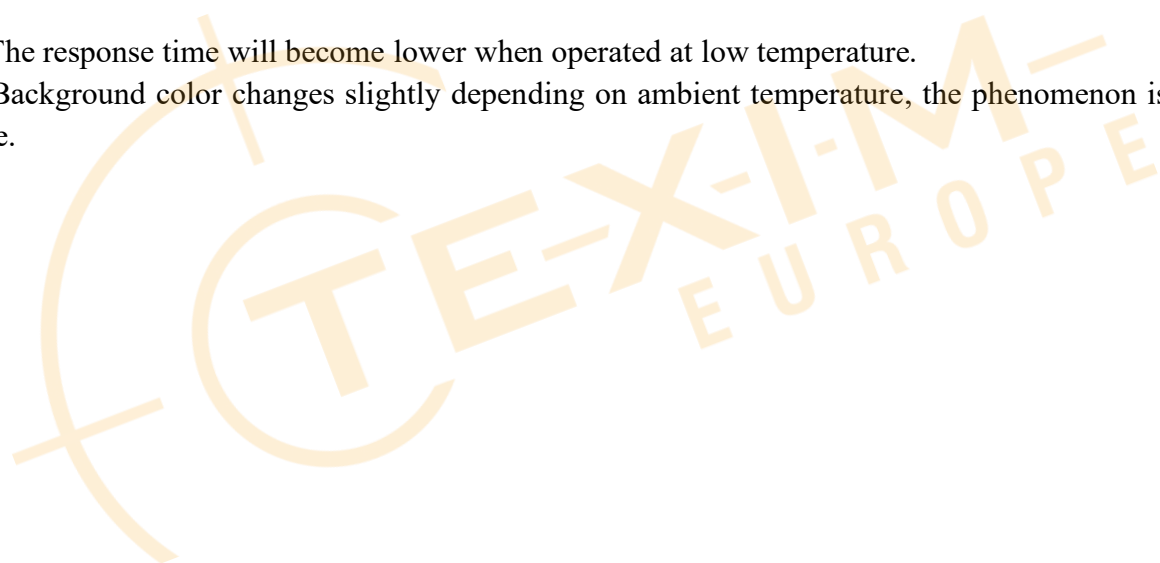
Note 2: The “LED life time” is defined as the module brightness decrease to 50% original brightness at Ta=25°C.

2.2 Environmental absolute maximum ratings

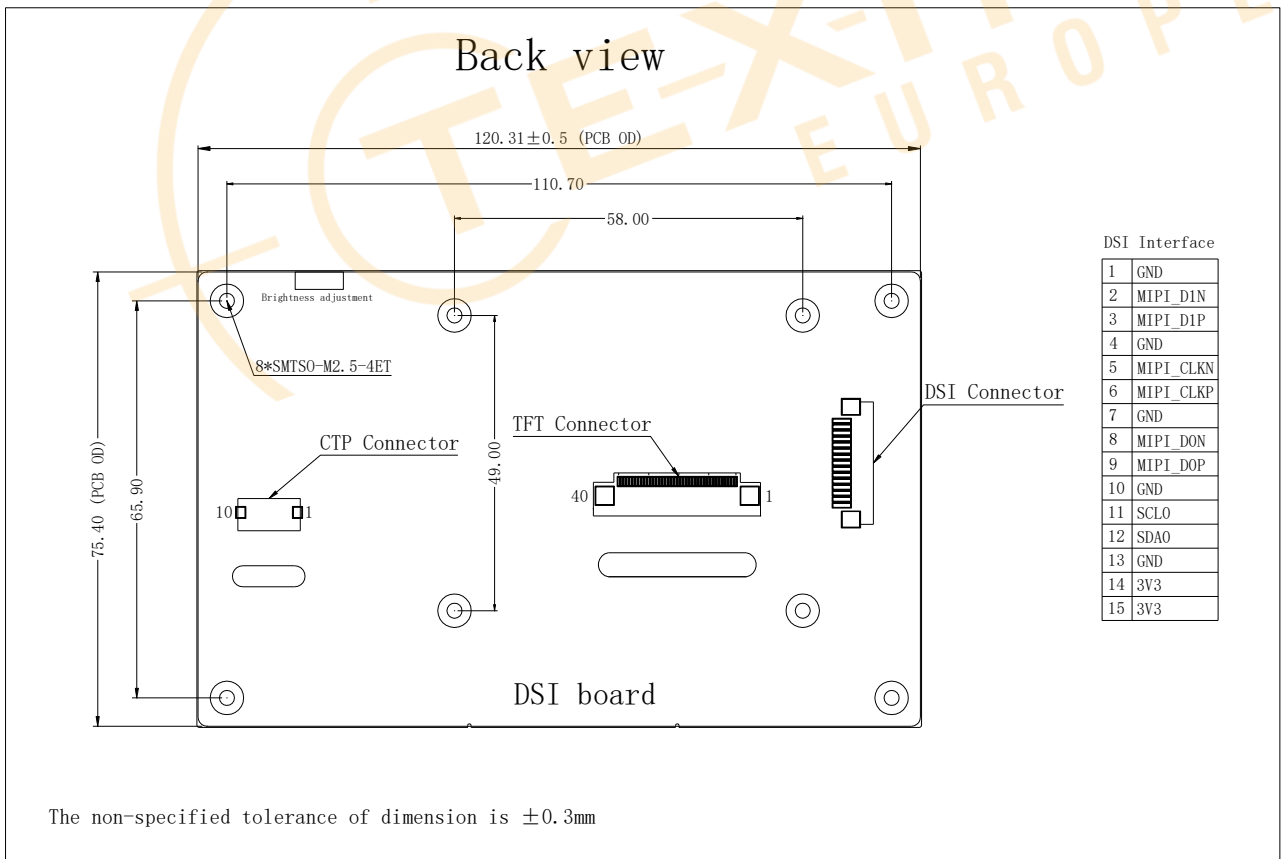
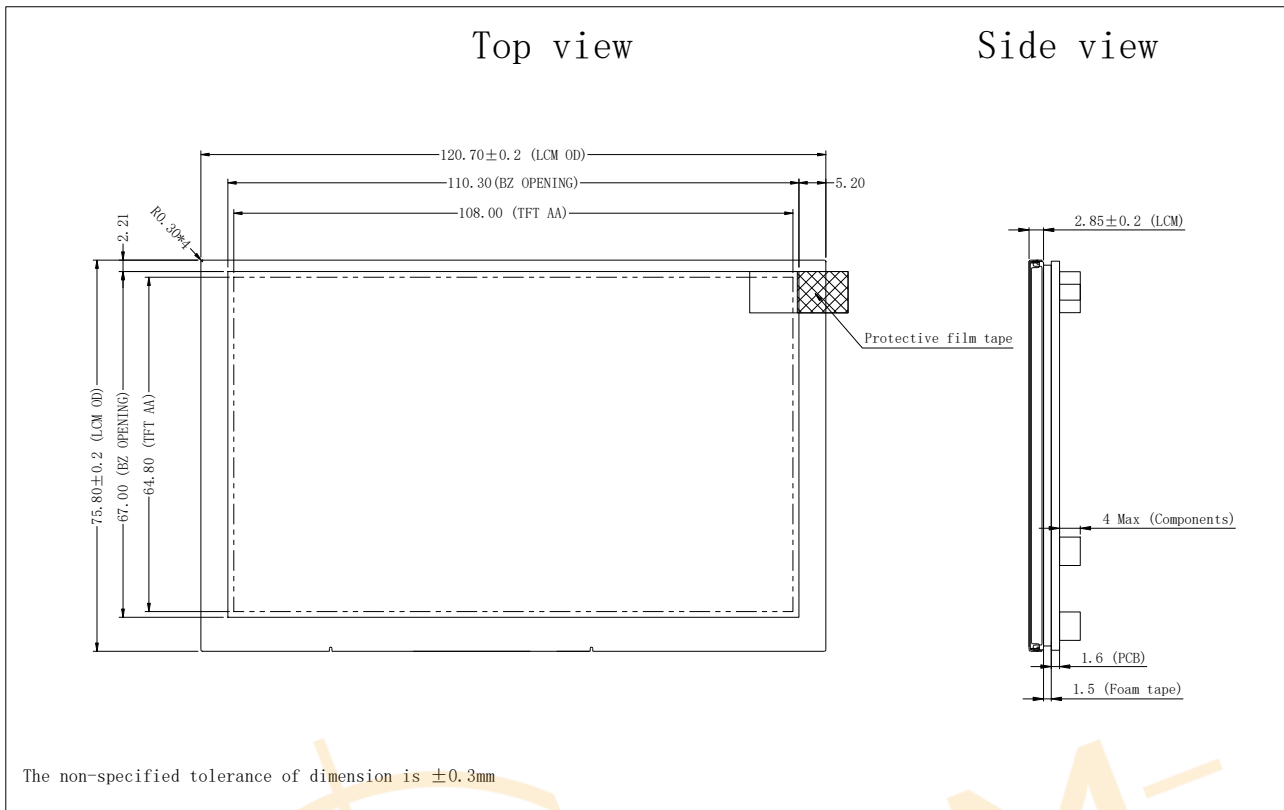
Item	Storage		Operating		Note
	Min.	Max.	Min.	Max.	
Ambient Temperature	-20°C	70°C	-10°C	60°C	1, 2

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



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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