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SPECIFICATION

This product uses ROHS compliant material

Product Name:	DSI display module
PNP Part No.:	PD07001C1
Customer Part No.:	
Date:	2021-06-30
Revision:	V1.0

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

For Customer:

Approved By	Comment

1. General Information

PD07001C1 is a 7inch DSI touchscreen. It is composed of a 7inch TFT display, 7inch capacitive touch panel, and a DSI adaptor board. This DSI touchscreen has 800x480 resolution and support multi-touch. 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	180.65 x 121.38 x 15.10	mm	-
Viewing area(W×H)	154.16 x 86.56	mm	-
Active area (W×H)	153.84 x 85.63	mm	-
Resolution	800 x 480	dots	-
Surface luminance	380 (Typ.)	cd/m ²	-
Touch type	Capacitive (PCAP)	-	-
Multi-touch	5 points	-	2
Cover glass type	Soda lime	-	-
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.

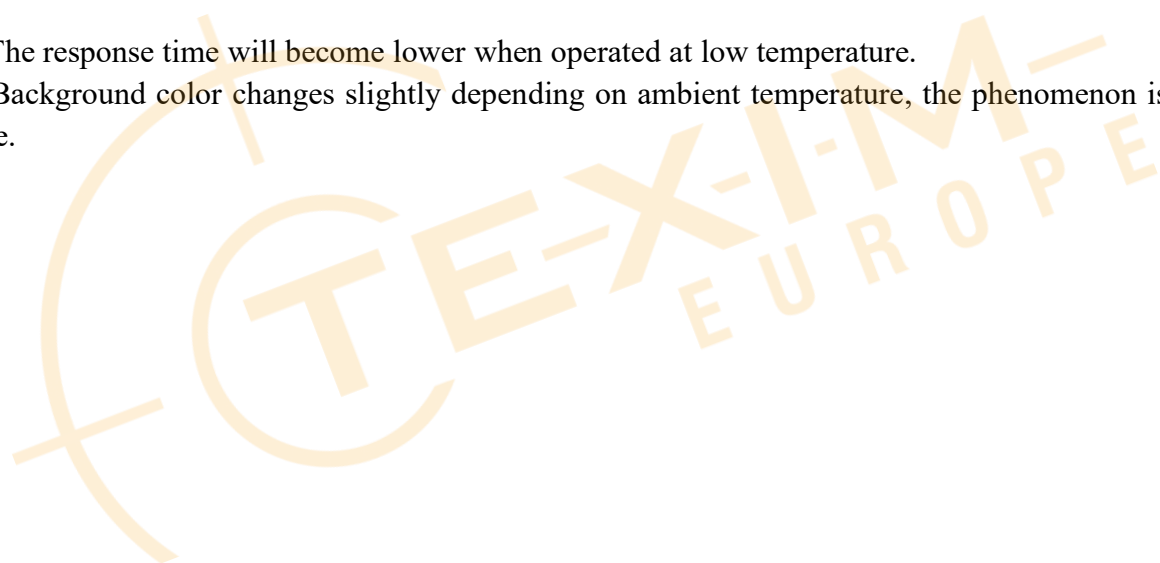
Note 2: The “LED life time” is defined as the module brightness decrease to 50% original brightness at Ta=25°C.

2.2 Environmental absolute maximum ratings

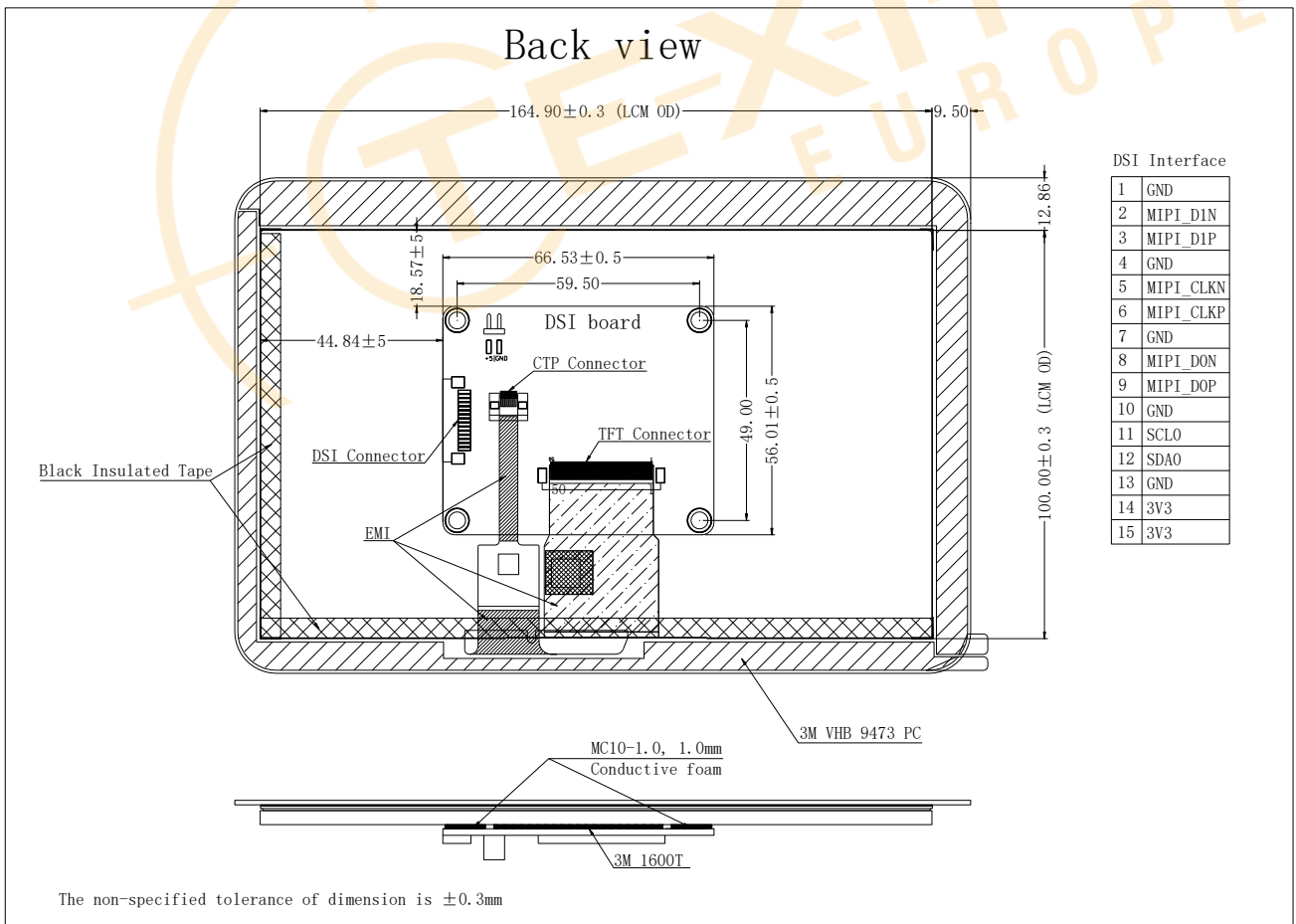
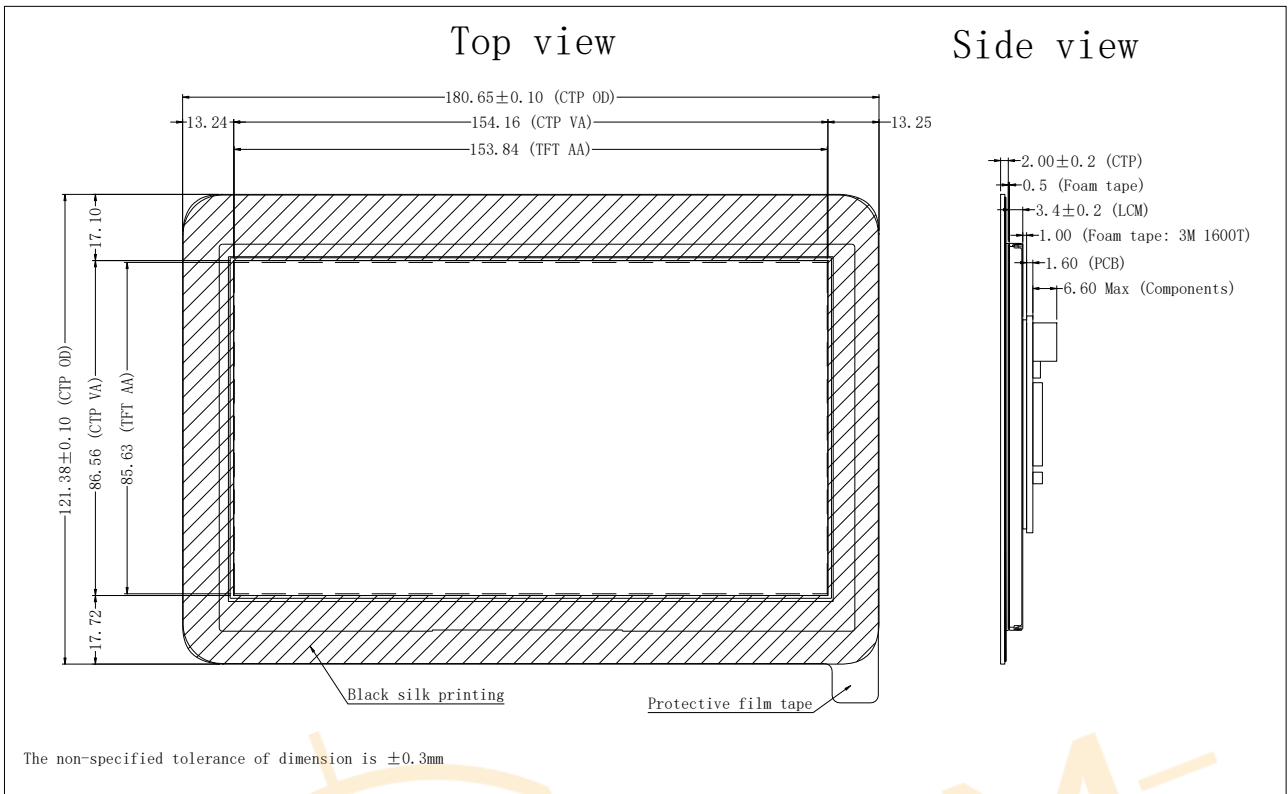
Item	Storage		Operating		Note
	Min.	Max.	Min.	Max.	
Ambient Temperature	-20°C	70°C	-10°C	60°C	1, 2

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



4. Module Pictures



5. Packing Specification

Please consult our technical department for detail information.

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