

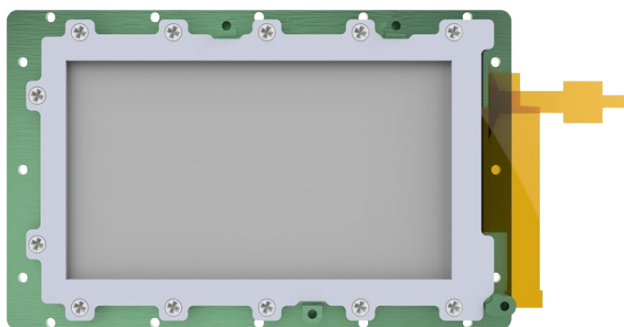
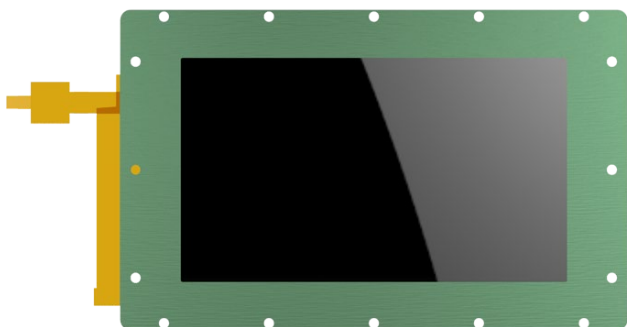
SLM-MR050M-E

5" Capacitive Multi Touch LCD Open Frame

Features

- Operating Temperature: -20°C To $+70^{\circ}\text{C}$
- Storage Temperature: -30°C To $+80^{\circ}\text{C}$
- Optical Bonding: EMI Mesh With Optical Bonding
- LED Life Time: 50,000 Hours (Min)
- EMI/EMC Is Designed to Meet ML-STD-461E/F
- Shock Is Designed to Meet MIL-STD-810D
- Vibration Is Designed to Meet MIL-STD-810E

Appearance





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Revision Table

Date	Revision	Content	By
2021/3/30	0.1	Basic	Dennis
2023/5/4	0.2	Updated Design Drawings [Turn into Open frame, client requires to stay the same Model Name]	Dennis
2023/8/27	0.3	Revise Datasheet Layout	Dennis

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Specification

LCD Panel	
LCD Size	5 inch TFT
Backlight	LED
Resolution	720 x 1280
Interface	MIPI 4 lanes
View Angle	$\pm 80^{\circ}$ (H), $\pm 80^{\circ}$ (V)
Luminance	700 nits (After Bonding)
Contrast Ratio	800:1
Aspect Ratio	16:9
Response Time	30 ms
No. of color	16.7 M
Active Area	62.10 (H) x 110.40 (V) mm
Pixel Pitch	0.08625 (H) x 0.08625 (V)
LED Life time	50,000 Hrs
EMI Mesh	Yes
Optical Bonding	Yes
Touch Panel	
Touch Type	Capacitive Multi Touch
Active Area	110.25 x 62.10 mm
Touch Interface	I2C
Cover Glass	AR Coating, Strengthen Glass
Touch Drives	Support Linux, Windows, Mac, etc.

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Environment Compliance

Operating Temp.	-20°C to +70°C
Storage Temp.	-30°C to +80°C
Humidity	Ta≤40°C, 95%RH, non-condensing
Shock	Design to meet MIL-STD-810D
Vibration	Design to meet MIL-STD-810E
EMI/EMC	Design to meet MIL-STD461E/F

Note 1: Environmental performance may vary according to the integration method or final integration scenario.

Note 2: Follow the industrial quality standard this LCD panel will include minimum 3 bright or dead pixels on viewable area and maxium total 5 bright or dead pixels on whole LCD panel.

Deliverables

1	5" Capacitive Multi Touch LCD Open Frame
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Ordering Information

Model Name	Description	Unit
SLM-MR050M-E	5" Capacitive Multi Touch LCD Open Frame	1

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