

SLM-MR240K-E

24" Resistive Touch LCD Kit with EMI Mesh & Optical Bonding

Features

- Operating Temperature: -20°C to $+60^{\circ}\text{C}$
- Storage Temperature: -30°C to $+70^{\circ}\text{C}$
- Optical Bonding: EMI Mesh with Optical Bonding
- LED Life Time: 50,000 Hours (Min)
- EMI/EMC Is Designed to Meet MIL-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
2025/2/14	0.1	New datasheet update	Mark

SLM-MR240K-E

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Specification

LCD Panel	
LCD Size	24 inch TFT
Backlight	LED
Resolution	1920 x 1080
Interface	LVDS
View Angle	$\pm 89^{\circ}$ (H), $\pm 89^{\circ}$ (V)
Luminance	700 nits(after bonding)
Contrast Ratio	1000:1
Aspect Ratio	16:10
Response Time	14 ms
No. of color	1.07 B
Active Area	518.4 (H) x 324 (V) mm
Pixel Pitch	0.270 (H) x 0.270 (V)
LED Life time	50,000 Hrs
EMI Mesh	Yes
Optical Bonding	Yes
Touch Panel	
Touch Type	5-wires Resistive Touch
Active Area	518.4 x 324 mm
Touch Interface	USB
Cover Glass	AR/AG Strengthen Glass
Touch Drives	Support Linux, Windows, Mac, etc.

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Specification

AD Board	
Support VGA signal	Color : 24 bit / Hor. Frequency : 30-80KHz / Ver. Frequency : 50-75Hz
Support DVI/HDMI signal	Color : 24 bit / Hor. Frequency : 30-80KHz / Ver. Frequency : 50-75Hz
Input Interface	VGA / DVI / HDMI (1.3/1.4) / USB / Audio
Output Interface	41Pin / 0.5mm LVDS Connector / Wafer 4Pin 2.0mm (R/L x1) AV Output x 1
Key Control	Power, Menu, Select, CH+, CH-, Up, Down
OSD Language	English
DC Input	DC +12V
Panel Select	DC +3.3V / +5V / +12V

Environment Compliance

Operating Temp.	-20°C to +60°C
Storage Temp.	-30°C to +70°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.



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Deliverables

1	24” Resistive Touch LCD Module with EMI Mesh & Optical Bonding
2	Touch Control Board
3	Touch USB Cable
4	AD Board
5	LVDS Cable
6	Convert Board
7	Convert Board to AD Board Cable
8	Backlight Cable

Ordering Information

Model Name	Description	Unit
SLM-MR240K-E	24” Resistive Touch LCD Module with EMI Mesh & Optical Bonding	1

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