SLM-MN050K-E

5" Military LCD Kit

Features

- Operating Temperature: -20°C To +70°C
- Storage Temperature: -30°C To +80°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
2025/2/12	0.1	New datasheet update	Mark

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Specification

LCD Panel	
LCD Panel Size	5 inch TFT
Backlight	LED
Resolution	800 x 480
View Direction	12 o'clock
Gray Scale Inversion Direction	6 o'clock
Luminance	400 nits (After Bonding)
Contrast Ratio	500:1
Aspect Ratio	5:3
Response Time	25 ms (Tr+Tf)
Active Area	108 (H) x 64.8 (V) mm
Pixel Pitch	0.135 (H) x 0.135 (V) mm
LED Life Time	50,000 Hr
EMI Mesh	Yes
Optical Bonding	Yes
Expansion Board	
Core	Raspberry PI CM4 Compatible
RAM/Storage	1G + 8G
TFT Interface	Digital 8080 family MPU 8bit/16bit
I/O	1 x HDMI in, 1 x USB Type C (for Power in)

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Environment Compliance

Operating Temp.	-20°C to +70°
Storage Temp.	-30°C to +80°
Humidity	Ta≦70°C, 95%RH, non-condensing
Shock	Design to Meet MIL-STD810D
Vibration	Design to Meet MIL-STD810E
EMI/EMC	Design to Meet MIL-STD461E/F

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

Deliverables

1	5" Military LCD Kit

Ordering Information

Model Name	Description	Unit
SLM-MN050K-E	5" Military LCD Kit	1