

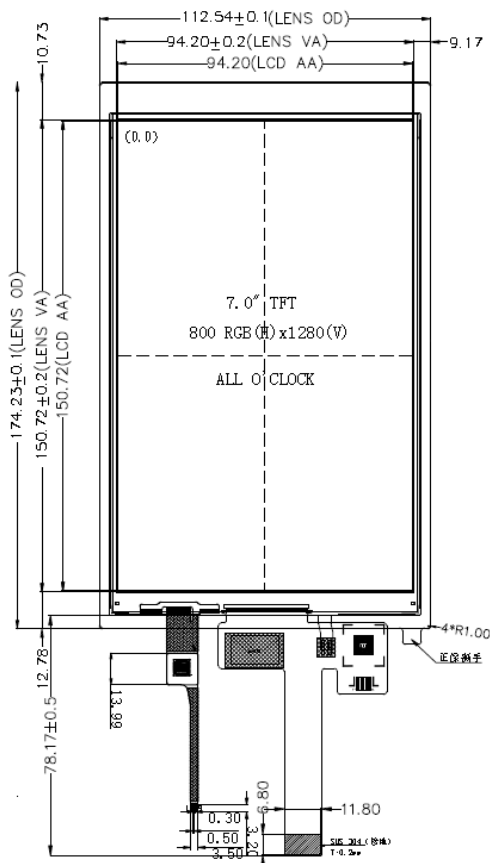
MIC-D0709

7" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding

Features

- 7" LCD Size
- 1280 x 800 Resolution
- Support Capacitive Touch
- 900 nits Brightness
- EMI Mesh, Optical Bonding
- Support Sunlight Readable
- MIPI Interface

Appearance





MIC-D0709

7" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding

Revision Table

Date	Revision	Content	By
2024/5/27	0.1	First Revised Proposal	Dennis
2025/6/30	0.2	Add Drawing and Disclaimer	Mark

MIC-D0709

7" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding

Specification

LCD Panel	
LCD Size	7" TFT LCD
Backlight	LED
Resolution	1280 x 800
Interface	MIPI
View Angle	85/85/85/85
Luminance	900 nits (After Bonding), Sunlight Readable
Contrast Ratio	800:1
Aspect Ratio	16:10
Response Time	35ms (TR+TF)
No. of Colour	16.7M
Active Area	150.72 x 94.2 mm
Pixel Pitch	0.11775 x 0.11775 mm
LED Life time	50,000 Hrs
Touch Screen	
Touch Type	Capacitive Multi Touch
Active Area	150.72 x 94.2 mm
Touch Glass	AG/AR Strengthen Glass 6H.
EMI Mesh	Yes
Optical Bonding	Yes
Touch Drives	Support Windows, Linux, Mac, etc.
Interface	I2C
IC	GT911

MIC-D0709

7" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding

Environment Compliance

Operating Temp.	-30°C to +65°C
Storage Temp.	-30°C to +70°C
Humidity	10 to 95%, Non-Condensing
Shock & Vibration	Design to Meet MIL-STD-810G
EMI/EMC	Design to Meet MIL-STD-461E/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	7" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding
---	--

Ordering Information

Model Name	Description	Unit
MIC-D0709	7" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding	1

Disclaimer

This datasheet is for informational purposes only and does not constitute professional advice, a contractual obligation, or a guarantee of any kind. While efforts have been made to ensure accuracy, ACT POWER TAIWAN makes no representations or warranties, express or implied, regarding its completeness or reliability. ACT POWER TAIWAN reserves the right to update, modify, or withdraw this document at any time without prior notice. Users should verify the suitability of the product for their specific application through independent testing and validation. ACT POWER TAIWAN shall not be liable for any direct, indirect, or consequential damages arising from the use of this document.