

LAM057M012A LCD PANEL FOR DFP057V3-ZFLWA

Model	LAM057M012A
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Category	Other Industrial LCD display
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Note:

Invshop recommends that you inquire with the original factory or its agents about the latest production status and technical information about LAM057M012A. The product parameters displayed on Invshop are entered by Invshop engineers according to the specifications, and efforts have been made to minimize errors, but we cannot guarantee the complete correctness of the parameters. Please refer to the specification sheet!

Component: TFT-LCD Display Module with Integrated LED Driver & Touch Panel
Model: LAM057M012A
Manufacturer: JDI (Japan Display Inc.)
Report Type: Full Electrical, Optical & Mechanical Parameters

1. General Specifications

Category	Specification
Display Type	a-Si TFT (Thin Film Transistor) Active Matrix LCD
Screen Diagonal	5.7 inches
Active Area	118.66 mm (W) × 66.24 mm (H)
Number of Pixels	1440 (RGB) × 810 [HD+ Resolution]
Pixel Pitch	0.0824 mm × 0.0818 mm
Pixel Density	308 PPI (Pixels Per Inch)
Display Mode	IPS (In-Plane Switching) / Advanced-IPS Technology
Surface Treatment	Anti-Glare, Hard Coating
Aspect Ratio	16:9

2. Optical Characteristics (Typical at Ta = 25°C)

Parameter	Symbol	Min	Typ	Max
Luminance (Brightness)	L	-	500	-
Contrast Ratio	CR	-	1400:1	-
Viewing Angle (CR ≥ 10)	-	-	178/178	-
Response Time (G-to-G)	-	-	25	-
Color Gamut	-	-	70% (NTSC)	-
Color Depth	-	-	8-bit (16.7M colors)	-

3. Mechanical Characteristics

Item	Specification	Unit
Outline Dimensions	133.0 (W) × 79.5 (H) × 2.45 (D)	mm
Weight	TBD (Typically ~80-100g)	g
Bezel Area	131.4 (W) × 77.9 (H)	mm
Package	Metal Frame / Chassis	

4. Electrical & Interface Characteristics

Parameter	Specification	
Number of Pins	49-pin FPC (Flexible Printed Circuit) connector	
Interface Type	LVDS (4 data pairs + 1 clock pair)	
Signal Bit Depth	8-bit (RGB 8:8:8)	
Input Power Voltage	3.3V (Typical for Logic)	
Backlight Type	White LED Edge-Light	
Backlight Connection	Integrated LED Driver (Requires external LED power supply)	
Power Consumption	~1.2W (Typical, Panel only)	~2.5W (Max, with

5. Backlight Unit (BLU) Specifications

Parameter	Symbol	Min	Max
Backlight Lifetime	-	-	!
LED Drive Method	Integrated LED Driver (Requires external LED power supply)		

6. Touch Panel Specifications (If Equipped)

Parameter	Specification
Touch Type	Projected Capacitive (PCAP)
Surface Hardness	≥ 7H
Touch Points	Multi-Touch (10 points)
Interface	I ² C

7. Environmental & Reliability

Parameter	Specification	Unit
Operating Temperature	-20 to +70	°C
Storage Temperature	-30 to +80	°C
Operating Humidity	10 to 90 %RH (Non-condensing)	-