



Hunyi
准亿科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

1. General Specifications

Item	Main Display	Unit
Number of Pixels	480 * RGB * 854	Pixel
LCM Outline Dimension	42.7 (W) * 74.7 (H) * 2.5(T)	mm
LCD Outline Dimension	40.33 (W) * 72.86 (H) * 1.0(T)	mm
Active Area	37.44 * 66.61	mm
Pixel Pitch	0.026 *0.078	mm
Display Mode	Normal Black	
Pixel Arrangement	R.G.B Stripe	
Viewing Direction	Free	
Color Configuration	RGB	
LCD Transmittance	Typ:3.5%; Min:3.1%	
LCD Contrast Ratio	Typ:1000; Min:800	
FPC Version	Z30066-D710F-R V1	
Interface	MIPI/SPI+RGB	
Operating Temperature	-20℃ ~ 70℃	
Storage Temperature	-30℃ ~ 80℃	
Backlight arrangement	White LED*6	
Luminance	-	
Luminance Uniformity	-	
Color chromaticity	-	
Weight	-	



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2. LCM-Pin Assignments---SPI+RGB

Pin No	Symbol	Description
1	LED-A	POWER SUPPLY+ FOR BACKLIGHT ANODE
2	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	VCI	POWER SUPPLY (3.3V)
4-13	GND	Ground
14	VSYNC	Vertical sync. Signal in RGB I/F.
15	HSYNC	Horizontal sync. Signal in RGB I/F.
16	CLK	Pixel clock signal in RGB I/F
17	DEN	Data enable signal in RGB I/F DE mode.
18-33	DB0-DB15	Data bus (DB0-DB4:B0-B4,DB5-DB10:G0-G5,DB11-DB15:R0-R5)
34	RESET	Reset Signal pin
35	CS	Chip Select input pin. (Active Low)
36	SCL	A synchronous clock signal in SPI I/F
37	SDA	Serial input signal in SPI I/F
38	GND	Ground
39	VCI	POWER SUPPLY (3.3V)
40	GND	Ground

LCM-Pin Assignments---MIPI

Pin No	Symbol	Description
1	LED-A	POWER SUPPLY+ FOR BACKLIGHT
2	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	VCC(3.3)	POWER SUPPLY (3.3V)
4	GND	Ground
5	D0N	MIPI-DSI Data differential signal input pins. (Data lane 0)
6	D0P	MIPI-DSI Data differential signal input pins. (Data lane 0)
7	GND	Ground
8	CLKN	MIPI-DSI CLOCK differential signal input pin
9	CLKP	MIPI-DSI CLOCK differential signal input pin
10	GND	Ground
11	D1N	MIPI-DSI Data differential signal input pins. (Data lane 1)
12	D1P	MIPI-DSI Data differential signal input pins. (Data lane 1)
13-33	GND	Ground
34	RESET	Reset pin
35-37	GND	Ground
38	VCC(3.3)	POWER SUPPLY (3.3V)
39	GND	Ground
40	VCC(3.3)	POWER SUPPLY (3.3V)

