



Hunyi
准化科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

1. General Specifications

Item	Main Display	Unit
Number of Pixels	800 * RGB * 1280	Pixel
LCM Outline Dimension	143.10 (W) * 228.60 (H) * 2.6 (T)	mm
LCD Outline Dimension	139.36 (W) * 225.58 (H) * 0.8 (T)	mm
Active Area	135.36 x 216.58	mm
Pixel Pitch	56.4 x 169.2	um
Display Mode	Normal Black	
Pixel Arrangement	RGB vertical stripe	
Viewing Direction	FREE	
Color Configuration	RGB	
LCD Transmittance	Typ:5.41%; Min:4.65%	
LCD Contrast Ratio	Typ:1000; Min:800	
FPC Version	Z101013-QQ101 V1	
Interface	MIPI	
Operating Temperature	-20℃ ~ 70℃	
Storage Temperature	-30℃ ~ 80℃	
Backlight arrangement	White LED*28	
Luminance	-	
Luminance Uniformity	-	
Color chromaticity	-	
Weight	-	



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2.LCM-Pin Assignments

Pin No	Symbol	Description
1	NC	NC
2	VDD	POWER SUPPLY(3.3V)
3	VDD	POWER SUPPLY(3.3V)
4	VDDI	POWER SUPPLY(1.8V)
5	RESET	RESET PIN(1.8V)
6	NC	NC
7	GND	Ground
8	D0N	MIPI-DSI Data differential signal input pins. (Data lane 0)
9	D0P	MIPI-DSI Data differential signal input pins. (Data lane 0)
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	GND	Ground
14	CLKN	MIPI-DSI CLOCK differential signal input pin
15	CLKP	MIPI-DSI CLOCK differential signal input pin
16	GND	Ground
17	D2N	MIPI-DSI Data differential signal input pins. (Data lane 2)
18	D2P	MIPI-DSI Data differential signal input pins. (Data lane 2)
19	GND	Ground
20	D3N	MIPI-DSI Data differential signal input pins. (Data lane 3)
21	D3P	MIPI-DSI Data differential signal input pins. (Data lane 3)
22	GND	Ground
23	NC	NC
24	GND	Ground
25-28	NC	NC
29	GND	Ground
30	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
31	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
32-37	NC	NC
38	LED-A	POWER SUPPLY+ FOR BACKLIGHT
39	LED-A	POWER SUPPLY+ FOR BACKLIGHT
40	GND	Ground
41	TP-INT	TP-INT
42	TP-RST	TP-RST
43	TP-VCC	TP-VCC
44	TP-SDA	TP-SDA
45	TP-SCL	TP-SCL

