



Hunyi
准亿科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

1. General Specifications

Item	Main Display	Unit
Number of Pixels	720 * RGB * 1280	Pixel
LCM Outline Dimension	64.70 (W) * 118.70 (H) * 1.66 (T)	mm
LCD Outline Dimension	64.50 (W) * 117.44 (H) * 0.4 (T)	mm
Active Area	62.1 * 110.4	mm
Pixel Pitch	86.25*86.25	um
Display Mode	Normal Black	
Pixel Arrangement	RGB Stripe	
Viewing Direction	FREE	
Color Configuration	RGB	
LCD Transmittance	Typ:4.6%; Min:4.0%	
LCD Contrast Ratio	Typ:800; Min:600	
FPC Version	Z49405-505H V1	
Interface	MIPI	
Operating Temperature	-20℃ ~ 70℃	
Storage Temperature	-30℃ ~ 80℃	
Backlight arrangement	LED / 6 串 2 并	
Luminance	-	
Weight	-	

准亿科技只能承诺： 同一批次产品的一致性，不承诺批次与批次之间的一致性。



2.LCM-Pin Assignments

Pin No	Symbol	Description
1	NC	NC
2	NC	NC
3	GND	Ground
4	IOVCC(1.8)	I/O POWER SUPPLY (1.8V)
5	VCC(2.8)	POWER SUPPLY (2.8V)
6	GND	Ground
7	ID	LCM-ID
8	TE	Serves TE (Tearing Effect) pin on MPU interface.
9	GND	Ground
10	D3P	MIPI-DSI Data differential signal input pins. (Data lane 3)
11	D3N	MIPI-DSI Data differential signal input pins. (Data lane 3)
12	GND	Ground
13	D0P	MIPI-DSI Data differential signal input pins. (Data lane 0)
14	D0N	MIPI-DSI Data differential signal input pins. (Data lane 0)
15	GND	Ground
16	CLKP	MIPI-DSI CLOCK differential signal input pin
17	CLKN	MIPI-DSI CLOCK differential signal input pin
18	GND	Ground
19	D1P	MIPI-DSI Data differential signal input pins. (Data lane 1)
20	D1N	MIPI-DSI Data differential signal input pins. (Data lane 1)
21	D2P	MIPI-DSI Data differential signal input pins. (Data lane 2)
22	D2N	MIPI-DSI Data differential signal input pins. (Data lane 2)
23	GND	Ground
24	RESET	Reset pin (1.8V)
25	GND	Ground
26	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
27	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
28	NC	NC
29	LED-A	POWER SUPPLY+ FOR BACKLIGHT
30	LED-A	POWER SUPPLY+ FOR BACKLIGHT
31	GND	Ground
32	NC	NC
33	NC	NC
34	NC	NC
35	NC	NC
36	NC	NC
37-40	GND	Ground

注：RESET 电压需要与 IOVCC 电压一致，否则会有概率性开机黑屏。

