



Hunyi
准化科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

1. General Specifications

Item	Main Display	Unit
Number of Pixels	480 * RGB * 480	Pixel
LCM Outline Dimension	56.18 (W) * 59.71 (H) * 2.3(T)	mm
LCD Outline Dimension	55.88 (W) * 59.36 (H) * 0.8 (T)	mm
Active Atea	53.28x53.28	mm
Pixel Pitch	111 (H) *111(V)	um
Display Mode	Normal Black	
Pixel Arrangment	R.G.B. Vertical Stripe	
Viewing Direction	FFS	
LCD Mode	a-Si TFT	
Color Configuration	RGB	
FPC Version	Z21002-P30-M V1	
IC Driver IC	—	
Interface	MIPI	
Operating Temperature	-20℃ ~ 70℃	
Storage Temperature	-30℃ ~ 80℃	
Backlight arrangement	White LED* 4	
Luminance	-	
Weight	-	



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2. Pin Assignments

Pin No	Symbol	Description
1	LED-A	POWER SUPPLY+ FOR BACKLIGHT ANODE
2	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
4	VCI	POWER SUPPLY (3.3V)
5	IOVCC(1.8)	I/O POWER SUPPLY (1.8V)
6	RESET	Reset Signal pin (3.3V)
7	TE	Serves TE (Tearing Effect) pin on MPU interface
8	PWM	The PWM frequency output for LCD driver control.
9	GND	Ground
10	D0P	MIPI-DSI Data differential signal input pins. (Data lane 0)
11	D0N	MIPI-DSI Data differential signal input pins. (Data lane 0)
12	GND	Ground
13	D1P	MIPI-DSI Data differential signal input pins. (Data lane 1)
14	D1N	MIPI-DSI Data differential signal input pins. (Data lane 1)
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	NC	NC
20	NC	NC
21	GND	Ground
22	NC	NC
23	NC	NC
24	GND	Ground
25	TP_INT	Touch Interrupt
26	TP_SDA	Touch IIC Data signal
27	TP_SCL	Touch IIC Clock signal
28	TP_RESET	Touch Reset Signal
29	TP_VCI	Touch Power supply
30	TP_IOVCC	Touch Power supply

