



Hunyi
准亿科技

Shenzhen Zhunyi Technology Co., Ltd.

深圳市准亿科技有限公司 LCM 产品规格书

1. General Specifications 基本规格

项目 Item	规格标准值 Main Display	单位 Unit
显示点阵数 Number of Pixels	480 * RGB * 800	Pixel
LCM 外型尺寸 LCM Outline Dimension	55.44 (W) * 96.15 (H) * 1.71(T)	mm
LCD 尺寸 LCD Outline Dimension	54.74 (W) * 93.35 (H) * 0.4(T)	mm
LCD 动态显示区 Active Area	51.84 * 86.4	mm
像素尺寸 Pixel Pitch	108 * 108	um
显示方式 Display Mode	Normal Black	
像素成分 Pixel Arrangement	R.G.B. Vertical Stripe	
视角 Viewing Direction	Free	
颜色排列 Color Configuration	RGB	
LCD 透过率 LCD Transmittance	Typ:4.03%; Min:3.4%	
LCD 对比度 LCD Contrast Ratio	Typ:800; Min:600	
FPC 版本 FPC Version	Z40038-TP98W V1	
接口 Interface	MIPI	
工作温度 Operating Temperature	-20℃ ~ 70℃	
储存温度 Storage Temperature	-30℃ ~ 80℃	
背光排列方式 Backlight arrangement	LED / 8 串	
亮度 Luminance	-	
亮度均匀度 Luminance Uniformity	-	
色坐标 Color chromaticity	-	
重量 Weight	-	

2. LCM-Pin Assignments 接口定义描述

引脚号	引脚定义	功能说明
1	GND	Ground
2	CLKN	MIPI-DSI CLOCK differential signal input pin
3	CLKP	MIPI-DSI CLOCK differential signal input pin
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	D1N	MIPI-DSI Data differential signal input pins. (Data lane 1)
9	D1P	MIPI-DSI Data differential signal input pins. (Data lane 1)
10	GND	Ground
11	NC	NC
12	NC	NC
13	GND	Ground
14	NC	NC
15	NC	NC
16	GND	Ground
17	RES	Reset pin
18	TE	Serves TE (Tearing Effect) pin on MPU interface
19	ID	ID
20	IOVDD(1.8)	I/O POWER SUPPLY (1.8V)
21	IOVDD(1.8)	I/O POWER SUPPLY (1.8V)
22	NC	NC
23	VCC(2.8)	POWER SUPPLY (2.8V)
24	VCC(2.8)	POWER SUPPLY (2.8V)
25	NC	NC
26	LED-A	POWER SUPPLY+ FOR BACKLIGHT
27	LED-A	POWER SUPPLY+ FOR BACKLIGHT
28	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
29	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
30	GND	Ground

