



Hunyi
准亿科技

Shenzhen Zhunyi Technology Co., Ltd.

LCM PRODUCT SPECIFICATION

2.LCM-Pin Assignments

Pin No	Symbol	Description
1	LED-A	POWER SUPPLY+ FOR BACKLIGHT
2	LED-A	POWER SUPPLY+ FOR BACKLIGHT
3	LED-A	POWER SUPPLY+ FOR BACKLIGHT
4	NC	NC
5	NC	NC
6	NC	NC
7	NC	NC
8	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
9	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
10	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
11	GND	Ground
12	NC	NC
13	GND	Ground
14	D2-P	MIPI-DSI Data differential signal input pins. (Data lane 2)
15	D2-N	MIPI-DSI Data differential signal input pins. (Data lane 2)
16	GND	Ground
17	D1-P	MIPI-DSI Data differential signal input pins. (Data lane 1)
18	D1-N	MIPI-DSI Data differential signal input pins. (Data lane 1)
19	GND	Ground
20	CLK-P	MIPI-DSI CLOCK differential signal input pin
21	CLK-N	MIPI-DSI CLOCK differential signal input pin
22	GND	Ground
23	D0-P	MIPI-DSI Data differential signal input pins. (Data lane 0)
24	D0-N	MIPI-DSI Data differential signal input pins. (Data lane 0)
25	GND	Ground
26	D3-P	MIPI-DSI Data differential signal input pins. (Data lane 3)
27	D3-N	MIPI-DSI Data differential signal input pins. (Data lane 3)
28	GND	Ground
29	ID1	LCM-ID1
30	RST	Global reset pin (1.8V)
31	ID2	LCM-ID2
32	VDDI	POWER SUPPLY (1.8V)
33	VDD	POWER SUPPLY (3.3V)
34	VDD	POWER SUPPLY (3.3V)
35	GND	Ground
36	NC	NC
37	GND	Ground
38	NC	NC
39	ID3	LCM-ID3
40	NC	NC



1. General Specifications

Item	Main Display	Unit
Number of Pixels	800 * RGB * 1280	Pixel
LCM Outline Dimension	114.60 (W) * 184.10 (H) * 2.55(T)	mm
LCD Outline Dimension	111.24 (W) * 180.52 (H) * 0.8 (T)	mm
Active Area	107.64x 172.22	mm
Pixel Pitch	44.85x 134.55	um
Display Mode	Normal Black	
Pixel Arrangement	RGB Stripe	
Viewing Direction	FREE	
Color Configuration	RGB	
LCD Transmittance	Typ:5.43%; Min:4.61%	
LCD Contrast Ratio	Typ:1500; Min:1200	
FPC Version	Z80006-SPM168H V4	
Interface	MIPI	
Operating Temperature	-20℃ ~ 70℃	
Storage Temperature	-30℃ ~ 80℃	
Backlight arrangement	White LED*24	
Luminance	360cd/m2(typ)	nit
Luminance Uniformity	-	
Color chromaticity	-	
Weight	-	