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	1200 * RGB * 1920	Pixel
LCM 外型尺寸 LCM Outline imension	114.60 (W) * 184.10 (H) * 2.25(T)	mm
LCD 尺寸 LCD Outline imension	112.64 (W) * 181.824 (H) * 0.4 (T)	mm
LCD 动态显示区 Active Atea	107.64x 172.224	mm
象素尺寸 Pixel Pitch	0.0897x 0.0897	mm
显示方式 Display Mode	Normal Black	
象素成分 Pixel Arrangment	RGB vertical stripe	
视角 Viewing Direction	HFFS	
LCD 模式 LCD Mode	TFT	
颜色排列 Color Configuration	RGB	
FPC 版本 FPC Version	Z80001-P39FH V4	
驱动 IC Driver IC	—	
接口 Interface	MIPI	
工作温度 Operating Temperature	-10℃ ~ 50℃	
储存温度 Storage Temperature	-20℃ ~ 60℃	
背光排列方式 Backlight arrangement	LED / 3 串 8 并	
亮度 Luminance	-	

2. Pin Assignments 接口定义描述

引脚号	引脚定义	功能说明
1	VDD	POWER SUPPLY（3.3V）
2	VDDI	POWER SUPPLY（1.8V）
3	RES	Reset pin
4	TE	Serves TE (Tearing Effect) pin on MPU interface
5	GND	Ground
6	D3N	MIPI-DSI Data differential signal input pins. (Data lane 3)
7	D3P	MIPI-DSI Data differential signal input pins. (Data lane 3)
8	GND	Ground
9	D2N	MIPI-DSI Data differential signal input pins. (Data lane 2)
10	D2P	MIPI-DSI Data differential signal input pins. (Data lane 2)
11	GND	Ground
12	D1N	MIPI-DSI Data differential signal input pins. (Data lane 1)
13	D1P	MIPI-DSI Data differential signal input pins. (Data lane 1)
14	GND	Ground
15	D0N	MIPI-DSI Data differential signal input pins. (Data lane 0)
16	D0P	MIPI-DSI Data differential signal input pins. (Data lane 0)
17	GND	Ground
18	CLKN	MIPI-DSI CLOCK differential signal input pin
19	CLKP	MIPI-DSI CLOCK differential signal input pin
20	GND	Ground
21	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
22	LED-K	POWER SUPPLY- FOR BACKLIGHT CATHODE
23	LED-A	POWER SUPPLY+ FOR BACKLIGHT
24	LED-A	POWER SUPPLY+ FOR BACKLIGHT
25	GND	Ground
26	NC	NC
27	NC	NC
28	NC	NC
29	GND	Ground
30	LCM_ID	LCM_ID
31	EXTS0_OUT	EXTS0_OUT
32	EXTS0_IN	EXTS0_IN
33	EXTS1_OUT	EXTS1_OUT
34	EXTS1_IN	EXTS1_IN
35	EXTS2_OUT	EXTS2_OUT
36	EXTS2_IN	EXTS2_IN
37	GND	Ground
38	NC	NC
39	NC	NC

*3.4±0.2
*114.6+0.3(LCM-OD)
112.64±0.2(LCD-OD)
110.64±0.15(POL)
107.64-AA
*3.48±0.2
*184.1+0.3(LCM-OD)
181.82±0.2(LCD-OD)
175.12±0.15(POL)
172.22-AA
8.0″
DOTS:1200*RGB*1920
Viewing Direction:ALL
元件区T=1.8MAX
70.3±0.2
21.93
3.5
2.5
*12±0.1