

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1	LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
2	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	GND	Ground
4	VDD2V8	POWER SUPPLY (2.8V)
5	VDD1V8	I/O POWER SUPPLY (1.8V)
6	LCD_ID	LCM ID PIN
7-8	NC	No Connection
9	LPTE	Tearing Effect PIN
10-18	NC	No Connection
19	GND	Ground
20	RST	LCM RESET PIN
21	GND	Ground
22	TDN1	Negative MIPI differential data input
23	TDP1	Positive MIPI differential data input
24	GND	Ground
25	TDN0	Negative MIPI differential data input
26	TDP0	Positive MIPI differential data input
27	GND	Ground
28	TCN	Negative MIPI differential CLOCK input
29	TCP	Positive MIPI differential CLOCK input
30	GND	Ground

RESET voltage should be consistent with VDDI voltage, or there probably is black screen fault when power on.

1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	3.0	inch
2	Display Resolution	480(H) × RGB × 854 (V)	pixels
3	Pixel Pitch	26(H) × 78 (V)	um
4	LCM Outline Dimension (Without FPC)	42.70 (W) × 74.70 (H) × 2.5 (T)	mm
5	LCD Outline Dimension	40.33 (W) × 72.86 (H) × 1.0 (T)	mm
6	LCD Active Area	37.44 (W) × 66.61 (H)	mm
7	View Direction (Gray Inversion)	FULL VIEW	-
8	Driver IC	ST7701S-G5	-
9	Pixel Arrangement	RGB-Stripe	-
10	Display Mode	Normal Black	-
11	Pixel driving Element	a-Si TFT	-
12	LCD Transmittance	Typ.: 3.5% Min:3.1%	-
13	LCD Contrast Ratio	Typ.: 1000 Min:800	-
14	FPC Version	Z30060-W6F V1	-
15	Interface	MIPI	-
16	Operating Temperature	-20°C~ 70°C	-
17	Storage Temperature	-30°C~ 80°C	-
18	Backlight Arrangement	LED/6 Series 1 Parallel (6 lights in total)	-
19	Luminance	420	nit
20	Weight	0.018	kg