

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)	40.64 (W) × 74.68 (H) × 2.34 (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	Z30054-A55F V3	-
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	580	nit
20	Weight	0.014	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1	DISP_CLK_P	Positive MIPI differential CLOCK input
2	1V8	POWER SUPPLY (1.8V)
3	DISP_CLK_N	Negative MIPI differential CLOCK input
4	DISP_RESET	LCM RESET PIN
5	GND	Ground
6	DISP_TE	Tearing Effect PIN
7	DISP_D0_P	Positive MIPI differential data input
8	LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
9	DISP_D0_N	Negative MIPI differential data input
10	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
11	GND	Ground
12	DISP_2V8	POWER SUPPLY (2.8V)
RESET voltage should be consistent with VDDI voltage, or there probably is black screen fault when power on.		

3. Mechanical Drawing

