

1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	4.95	inch
2	Display Resolution	480(H) × RGB × 854 (V)	pixels
3	Pixel Pitch	128.4(H) × 128.4 (V)	um
4	LCM Outline Dimension (Without FPC)	66.40 (W) ×120.05 (H) ×2.2 (T)	mm
5	LCD Outline Dimension	64.46 (W) × 116.80 (H) × 0.8 (T)	mm
6	LCD Active Area	61.63 (W) ×109.65 (H)	mm
7	View Direction (Gray Inversion)	FULL VIEW	-
8	Driver IC	JD9161Z-JN	-
9	Pixel Arrangement	RGB-Stripe	-
10	Display Mode	Normal Black	-
11	Pixel driving Element	a-Si TFT	-
12	LCD Transmittance	Typ.: 4.47%	-
13	LCD Contrast Ratio	Typ.: 800 Min:640	-
14	FPC Version	Z49401-SPM158 V2	-
15	Interface	MIPI	-
16	Operating Temperature	-20°C~ 70°C	-
17	Storage Temperature	-30°C~ 80°C	-
18	Backlight Arrangement	LED/2 Series 6 Parallel (12 lights in total)	-
19	Luminance	600	nit
20	Weight	0.026	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1-3	LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
4	VGH(NC)	Positive gate driver output voltage level(18V)(NC)
5	VGL(NC)	Negative gate driver output voltage level(-5.6V)(NC)
6	U/R(NC)	U/R PIN(NC)
7	L/R(NC)	L/R PIN(NC)
8-10	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
11	GND	Ground
12	AVDD(NC)	Analog positive power(10V)(NC)
13	GND	Ground
14	D2P(NC)	Positive MIPI differential data input(NC)
15	D2N(NC)	Negative MIPI differential data input(NC)
16	GND	Ground
17	D1P	Positive MIPI differential data input
18	D1N	Negative MIPI differential data input
19	GND	Ground
20	CLKP	Positive MIPI differential CLOCK input
21	CLKN	Negative MIPI differential CLOCK input
22	GND	Ground
23	D0P	Positive MIPI differential data input
24	D0N	Negative MIPI differential data input
25	GND	Ground
26-27	NC	No Connection
28	GND	Ground
29	LCD_ID(NC)	LCM ID PIN(NC)
30	RESET	LCM RESET PIN
31	NC	No Connection
32	IOVCC	POWER SUPPLY (1.8V)
33-34	VCC	POWER SUPPLY (2.8V)
35	GND	Ground
36	STBYB(NC)	LCM Standby Mode PIN(NC)
37	GND	Ground
38	VCOM(NC)	The power supply of common voltage in DC com driving(NC)
39-40	NC	No Connection

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