

1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	4.0	inch
2	Display Resolution	480(H) × RGB × 800 (V)	pixels
3	Pixel Pitch	108(H) × 108 (V)	um
4	LCM Outline Dimension (Without FPC)	55.44 (W) ×96.15 (H) ×1.71 (T)	mm
5	LCD Outline Dimension	54.74 (W) × 9335 (H) × 0.4 (T)	mm
6	LCD Active Area	51.84 (W) ×86.40 (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.: 4.03% Min:3.4%	-
13	LCD Contrast Ratio	Typ.: 800 Min:600	-
14	FPC Version	Z40045-P40W-M V1	-
15	Interface	MIPI	-
16	Operating Temperature	-20°C~ 70°C	-
17	Storage Temperature	-30°C~ 80°C	-
18	Backlight Arrangement	LED/1 Series 8 Parallel (8 lights in total)	-
19	Luminance	320	nit
20	Weight	0.018	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1	GND	Ground
2	TDP0	Positive MIPI differential data input
3	TDN0	Negative MIPI differential data input
4	GND	Ground
5	TDP1	Positive MIPI differential data input
6	TDN1	Negative MIPI differential data input
7	GND	Ground
8	TCP	Positive MIPI differential CLOCK input
9	TCN	Negative MIPI differential CLOCK input
10	GND	Ground
11	TDP2(NC)	Positive MIPI differential data input(No Connection)
12	TDN2(NC)	Negative MIPI differential data input(No Connection)
13	GND	Ground
14	TDP3(NC)	Positive MIPI differential data input(No Connection)
15	TDN3(NC)	Negative MIPI differential data input(No Connection)
16-17	GND	Ground
18-23	NC	No Connection
24	RESET	LCM RESET PIN
25-26	NC	No Connection
27	GND	Ground
28-29	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
30	GND	Ground
31	NC	No Connection
32-33	GND	Ground
34	NC	No Connection
35-36	LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
37	GND	Ground
38-39	VCC	POWER SUPPLY (2.8V)
40	NC	No Connection

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