

1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	7.0	inch
2	Display Resolution	600(H) × RGB × 1024 (V)	pixels
3	Pixel Pitch	49.6(H) × 148.8 (V)	um
4	LCM Outline Dimension (Without FPC)	94.9 (W) × 163.1 (H) × 2.53 (T)	mm
5	LCD Outline Dimension	93.28 (W) × 159.82 (H) × 0.8 (T)	mm
6	LCD Active Area	89.28 (W) × 152.37 (H)	mm
7	View Direction (Gray Inversion)	FULL VIEW	-
8	Driver IC	OTA7290B-C	-
9	Pixel Arrangement	RGB-Stripe	-
10	Display Mode	Normal Black	-
11	Pixel driving Element	a-Si TFT	-
12	LCD Transmittance	Typ.: 4.7% Min:3.95%	-
13	LCD Contrast Ratio	Typ.: 800 Min:600	-
14	FPC Version	Z70008-P1 V3	-
15	Interface	MIPI	-
16	Operating Temperature	-10°C~ 50°C	-
17	Storage Temperature	-20°C~ 60°C	-
18	Backlight Arrangement	LED/3 Series 6 Parallel (18 lights in total)	-
19	Luminance	350	nit
20	Weight	0.081	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1-2	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	SCL	I2C Serial Communication Clock Input
4	SDA	I2C Serial Communication Data Input/Output
5	UPDN	Gate Up or Down scan control
6	SHLR	Source Right or Left sequence
7-8	LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
9	NC	No Connection
10	GND	Ground
11	D3P	Positive MIPI differential data input
12	D3N	Negative MIPI differential data input
13	GND	Ground
14	D2P	Positive MIPI differential data input
15	D2N	Negative MIPI differential data input
16	GND	Ground
17	DCLKP	Positive MIPI differential CLOCK input
18	DCLKN	Negative MIPI differential CLOCK input
19	GND	Ground
20	D1P	Positive MIPI differential data input
21	D1N	Negative MIPI differential data input
22	GND	Ground
23	D0P	Positive MIPI differential data input
24	D0N	Negative MIPI differential data input
25	GND	Ground
26	STBYB	LCM Standby Mode PIN
27	RESET	LCM RESET PIN
28-29	NC	No Connection
30	VDD	POWER SUPPLY (2.8/3.3V)

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