

1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	4.9	inch
2	Display Resolution	720(H) × RGB × 1280 (V)	pixels
3	Pixel Pitch	29.5(H) × 88.5 (V)	um
4	LCM Outline Dimension (Without FPC)	65.89 (W) × 119.91 (H) × 1.65 (T)	mm
5	LCD Outline Dimension	65.69 (W) × 119.61 (H) × 0.4 (T)	mm
6	TLCM Outline Dimension (Without FPC)	67.56 (W) × 122.35 (H) × 3.28 (T)	mm
7	LCD Active Area	63.72 (W) × 113.28 (H)	mm
8	View Direction (Gray Inversion)	FULL VIEW	-
9	Driver IC	GH1001	-
10	Pixel Arrangement	RGB-Stripe	-
11	Display Mode	Normal Black	-
12	Pixel driving Element	a-Si TFT	-
13	LCD Transmittance	Typ.: 3.2% Min:2.72%	-
14	LCD Contrast Ratio	Typ.: 1200 Min:1000	-
15	FPC Version	Z49418-5HD V1	-
16	Interface	MIPI	-
17	Operating Temperature	-20°C~ 70°C	-
18	Storage Temperature	-30°C~ 80°C	-
19	Backlight Arrangement	LED/6 Series 2 Parallel (12 lights in total)	-
20	Luminance	400	nit
21	Weight	0.054	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1	NC	No Connection
2	LCM_LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	NC	No Connection
4	LCM_LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
5	NC	No Connection
6	GND	Ground
7	MIPI_TDN0	Negative MIPI differential data input
8	MIPI_TDP0	Positive MIPI differential data input
9	GND	Ground
10	MIPI_TDN1	Negative MIPI differential data input
11	MIPI_TDP1	Positive MIPI differential data input
12	GND	Ground
13	MIPI_TCN	Negative MIPI differential CLOCK input
14	MIPI_TCP	Positive MIPI differential CLOCK input
15	GND	Ground
16	MIPI_TDN2	Negative MIPI differential data input
17	MIPI_TDP2	Positive MIPI differential data input
18	GND	Ground
19	MIPI_TDN3	Negative MIPI differential data input
20	MIPI_TDP3	Positive MIPI differential data input
21-22	GND	Ground
23	NC	No Connection
24	GND	Ground
25	DSI_TE	Tearing Effect PIN
26	LCM_RST	LCM RESET PIN
27	IOVCC	I/O POWER SUPPLY
28	VCI	POWER SUPPLY
29-30	GND	Ground

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

2.2 TP PIN

PIN NO.	PIN DEF.	FUNCTION DESC.
1	GND	Ground
2	NC	No Connection
3	TP_VDD	TP POWER SUPPLY
4	TP_SCL	TP I2C clock (SCL) clock (SCLK)
5	TP_SDA	TP I2C data (SDA) data input (MOSI)
6	TP_INT	TP Interrupt PIN
7	TP_RST	TP Reset PIN
8	GND	Ground