

1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	2.4	inch
2	Display Resolution	240(H) × RGB × 320 (V)	pixels
3	Pixel Pitch	51.3(H) × 153 (V)	um
4	LCM Outline Dimension (Without FPC)	40.52 (W) × 57 (H) × 2.4 (T)	mm
5	LCD Outline Dimension	40.52 (W) × 56.46 (H) × 1.0 (T)	mm
6	LCD Active Area	36.72 (W) × 36.72 (H)	mm
7	View Direction (Gray Inversion)	12 o'clock	-
8	Driver IC	GC9306N	-
9	Pixel Arrangement	RGB-Stripe	-
10	Display Mode	TN mode	-
11	Pixel driving Element	a-Si TFT	-
12	LCD Transmittance	Typ.: 5% Min:4.5%	-
13	LCD Contrast Ratio	TBD	-
14	FPC Version	Z24017-8031 V1	-
15	Interface	MCU	-
16	Operating Temperature	-20°C~ 70°C	-
17	Storage Temperature	-30°C~ 80°C	-
18	Backlight Arrangement	LED/1 Series 4 Parallel (4 lights in total)	-
19	Luminance	550	nit
20	Weight	0.011	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1	LEDA	POWER SUPPLY+ FOR BACKLIGHT
2	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
3	GND	Ground
4	VCI	POWER SUPPLY (3.3V)
5	IOVCC	POWER SUPPLY (1.8V)
6	GND	Ground
7-22	B15-B0	DATA BUS
23	GND	Ground
24	RD	Read enable in 8080 MCU parallel interface
25	WR	Read enable in 8080 MCU parallel interface
26	RS	Ground
27	CS	Chip selection signal PIN
28	IM0	IM0 为 0 时, 16 位 MCU (B0-B7,B10-B15) IM0 为 1 时, 高 8 位 MCU (B10-B15),B0-B7 接 GND
29	RESET	LCM RESET PIN(1.8V)
30	GND	Ground

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

3. Mechanical Drawing

