



RAYSTAR

曜凌光電股份有限公司

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RFC570B-SCW-LNN

SPECIFICATION

General Specifications

- Size: 5.7 inch
- Dot Matrix: 320 x RGB x 240(TFT) dots
- Module dimension: 160.0(W) x 109.0(H) x 15.0(D)mm
- Active area: 115.20 x 86.40 mm
- Dot pitch: 0.12 x 0.36 mm
- LCD type: TFT, Normally White, Transmissive
- View Direction: 12 o'clock
- Gray Scale Inversion Direction: 6 o'clock
- Aspect Ratio: 4:3
- Backlight Type: LED, Normally White
- Touch Panel: Without Touch Panel
- Surface: Glare

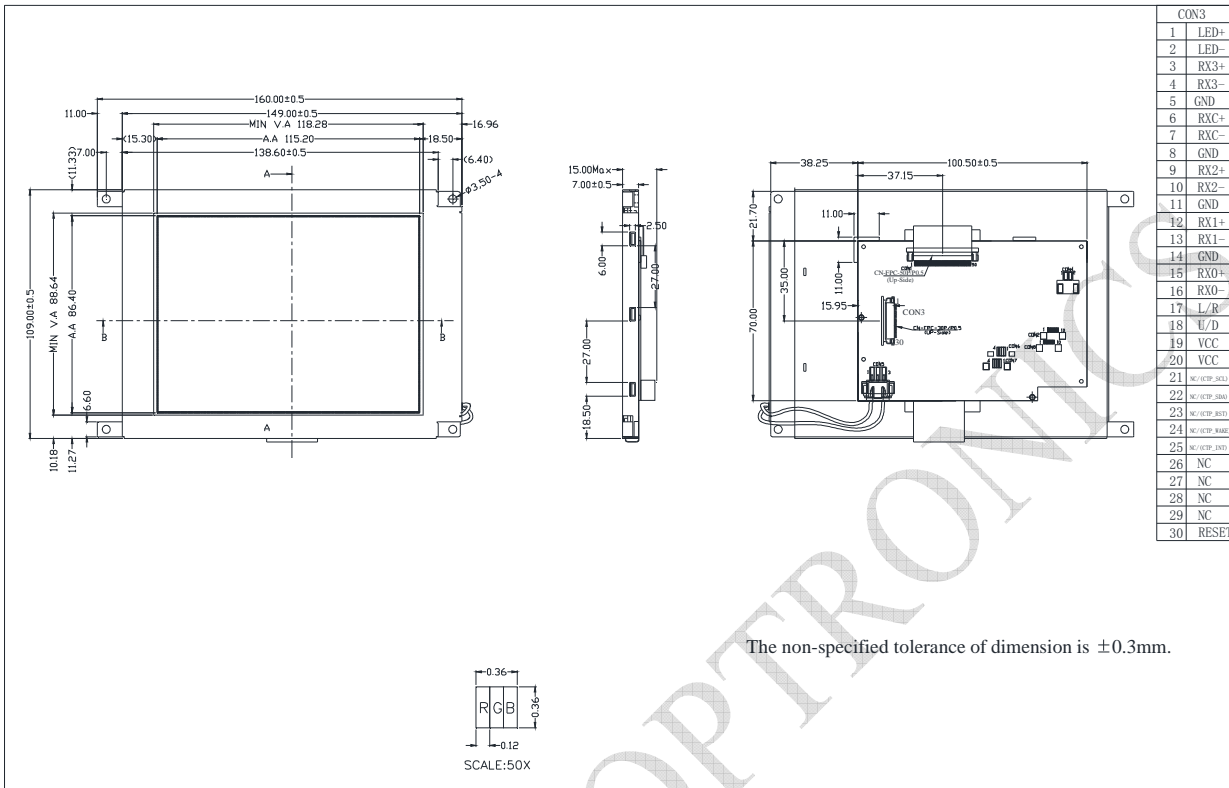
*Color tone slight changed by temperature and driving voltage.

Interface

LCM PIN Definition

Pin	Symbol	Function
1	LED+	Power supply for Backlight +
2	LED-	Power supply for Backlight -
3	RX3+	+ LVDS differential data input
4	RX3-	- LVDS differential data input
5	GND	Ground
6	RXC+	+ LVDS differential clock input
7	RXC-	- LVDS differential clock input
8	GND	Ground
9	RX2+	+ LVDS differential data input
10	RX2-	- LVDS differential data input
11	GND	Ground
12	RX1+	+ LVDS differential data input
13	RX1-	- LVDS differential data input
14	GND	Ground
15	RX0+	+ LVDS differential data input
16	RX0-	- LVDS differential data input
17	L/R	Shift direction of device internal shift register control.
18	U/D	Up/down selection
19	VCC	Digital power: 3V~3.6V
20	VCC	Digital power: 3V~3.6V
21	NC	No connection
22	NC	No connection
23	NC	No connection
24	NC	No connection
25	NC	No connection
26	NC	No connection
27	NC	No connection
28	NC	No connection
29	NC	No connection
30	RESET	Hardware reset

Contour Drawing



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Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	0	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

Electrical Characteristics

Operating conditions:

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For LCM	VCC	—	3.0	3.3	3.6	V
Supply Current For LCM	ICC	—	—	210	315	mA
Input High Volt.	VIH	—	0.7 VCC	—	VCC	V
Input Low Volt.	VIL	—	0	—	0.3 VCC	V