



**RAYSTAR**

**曜凌光電股份有限公司**

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## **RFC570Y-6IW-DNS**

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### **SPECIFICATION**

#### **General Specifications**

- Size: 5.7 inch
- Dot Matrix: 320 x RGB x 240(TFT) dots
- Module dimension: 141.12(W) x 101.55(H) x 8.0(D)(MAX) mm
- Active area: 115.2 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: Resistive Touch Panel
- Surface: Anti-Glare

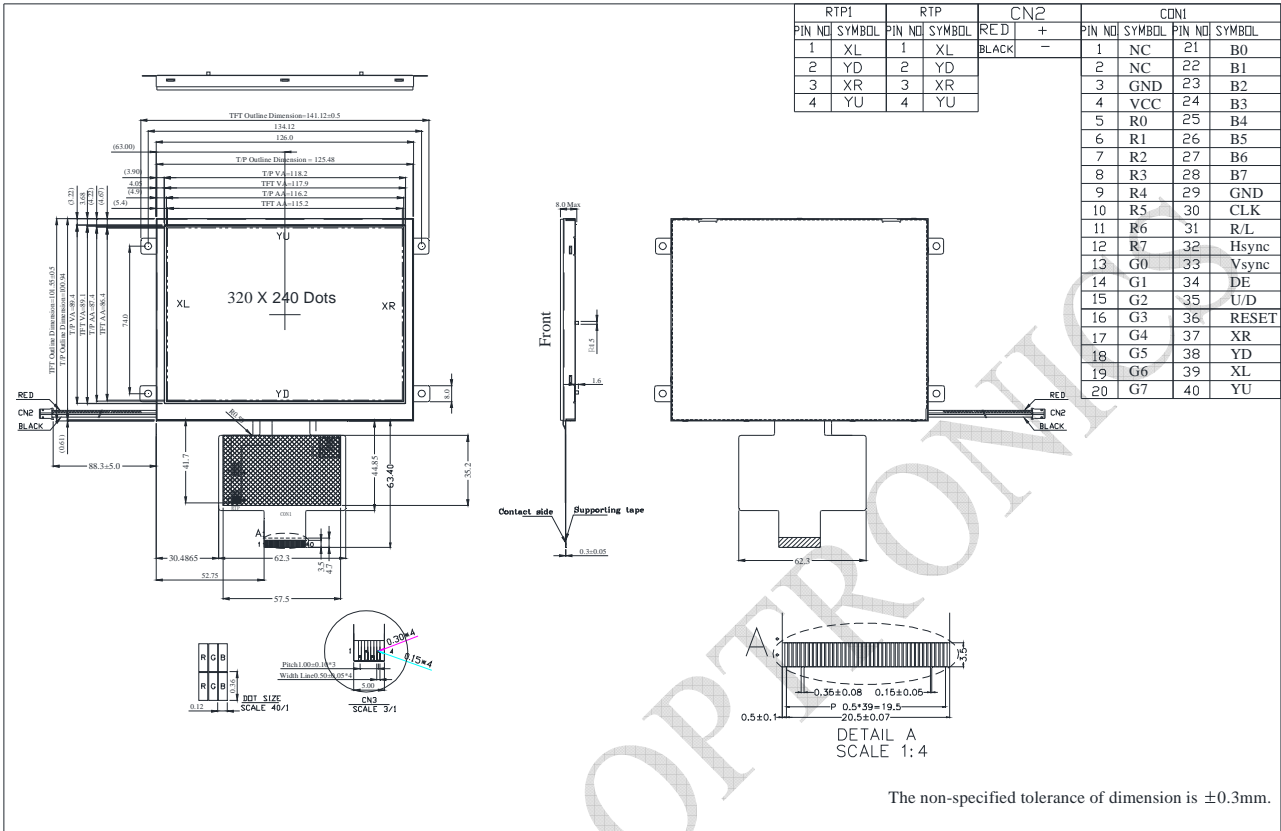
\*Color tone slight changed by temperature and driving voltage.

# Interface

## LCM PIN Definition

Pin	Symbol	Function
1	NC	No connection
2	NC	No connection
3	GND	System ground pin of the IC. Connect to system ground.
4	VCC	Power Supply
5	R0	Red Data bit(LSB)
6	R1	Red Data bit
7	R2	Red Data bit
8	R3	Red Data bit
9	R4	Red Data bit
10	R5	Red Data bit
11	R6	Red Data bit
12	R7	Red Data bit (MSB)
13	G0	Green Data bit(LSB)
14	G1	Green Data bit
15	G2	Green Data bit
16	G3	Green Data bit
17	G4	Green Data bit
18	G5	Green Data bit
19	G6	Green Data bit
20	G7	Green Data bit (MSB)
21	B0	Blue Data bit(LSB)
22	B1	Blue Data bit
23	B2	Blue Data bit
24	B3	Blue Data bit
25	B4	Blue Data bit
26	B5	Blue Data bit
27	B6	Blue Data bit
28	B7	Blue Data bit (MSB)
29	GND	System ground pin of the IC. Connect to system ground.
30	CLK	Dot data clock
31	L/R	Shift direction of device internal shift register control.
32	Hsync	Horizontal sync signal
33	Vsync	Vertical sync signal
34	DE	Data Enable signal
35	U/D	Up/down selection
36	RESET	Hardware reset
37	XR	Right electrode
38	YD	Bottom electrode
39	XL	Left electrode
40	YU	Top electrode

# Contour Drawing



## Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

## Electrical Characteristics

### Operating conditions

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	VCC	—	3.0	3.3	3.6	V
Supply Current	I <sub>cc</sub>	VCC=3.3V		140	210	mA