



RAYSTAR

曜凌光電股份有限公司

Web: www.raystar-optronics.com E-mail: sales@raystar-optronics.com

RFS390C-AIW-DNS

SPECIFICATION

General Specifications

- Size: 3.9 inch
- Dot Matrix: 480 x 128 x RGB (TFT) dots
- Module dimension: 105.5(W) x 37.0(H) x 4.58(D) mm
- Active area: 95.04 x 25.34 mm
- Dot pitch: 0.066(W) x 0.198(H) mm
- LCD type: TFT, Normally White, Transmissive
- View Direction: 12 o'clock
- Gray Scale Inversion Direction: 6 o'clock
- Aspect Ratio: Bar Type
- TFT Driver IC: HX8278-A or equivalent
- TFT Interface: RGB-24BIT
- Backlight Type: LED, Normally White
- Touch Panel: With RTP
- Surface: Anti-Glare

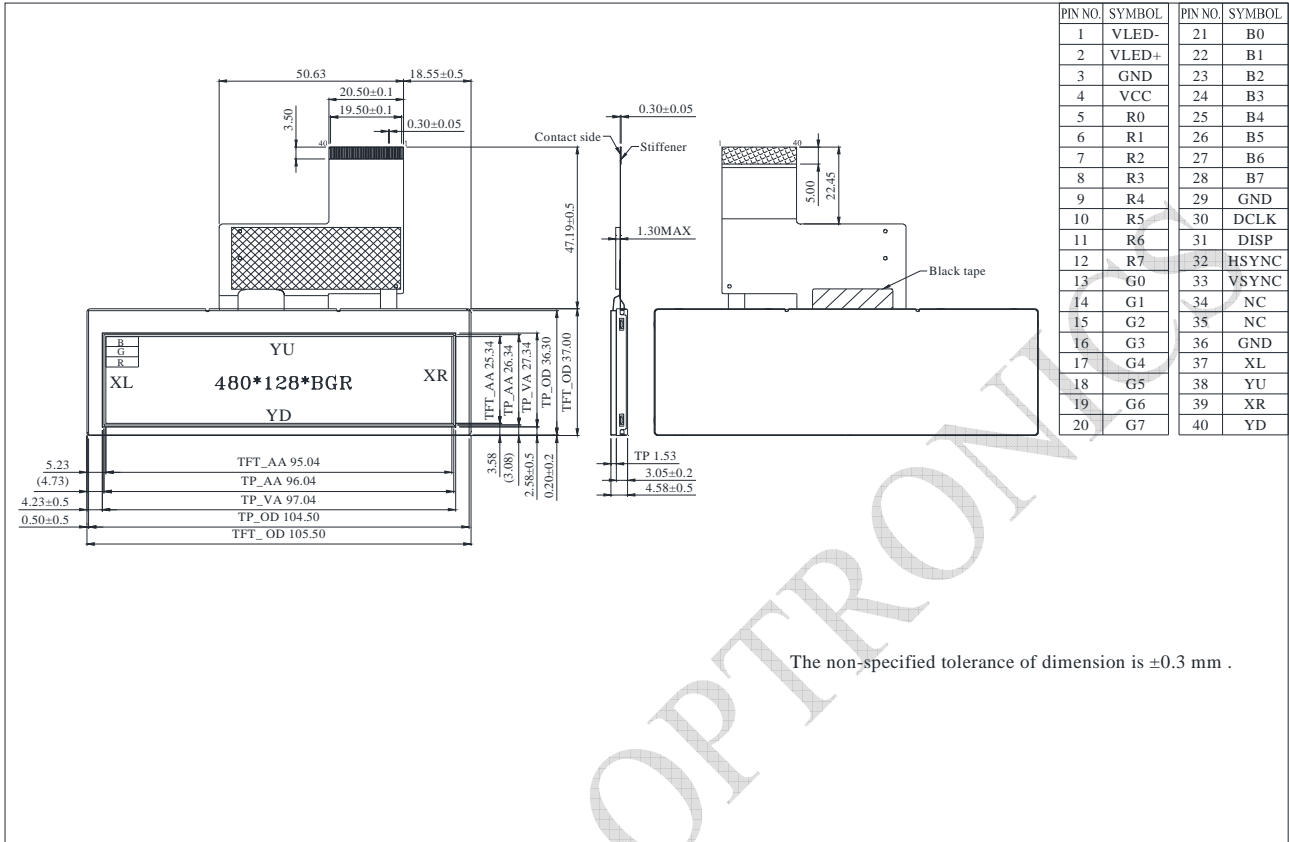
*Color tone slight changed by temperature and driving voltage.

Interface

LCM PIN Definition

No.	Symbol	Description
1	VLED-	Backlight LED Cathode
2	VLED+	Backlight LED Anode.
3	GND	System Ground
4	VCC	Power supply for logic operation
5~12	R0~R7	Data bus
13~20	G0~G7	Data bus
21~28	B0~B7	Data bus
29	GND	System Ground
30	DCLK	Pixel clock signal
31	DISP	Display on/off control
32	HSYNC	Horizontal Sync signal
33	VSYNC	Vertical Sync signal
34	NC	No connection (Option DE)
35	NC	No connection
36	GND	System Ground
37	XL	Left electrode
38	YU	Top electrode
39	XR	Right electrode
40	YD	Bottom electrode

Contour Drawing



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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 LCM	VCC	—	3.0	3.3	3.6	V
Supply Current For LCM	ICC	—	—	15	25	mA