



RAYSTAR

RAYSTAR Optronics, Inc.
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RFE430W-EYW-DAS

General Specifications

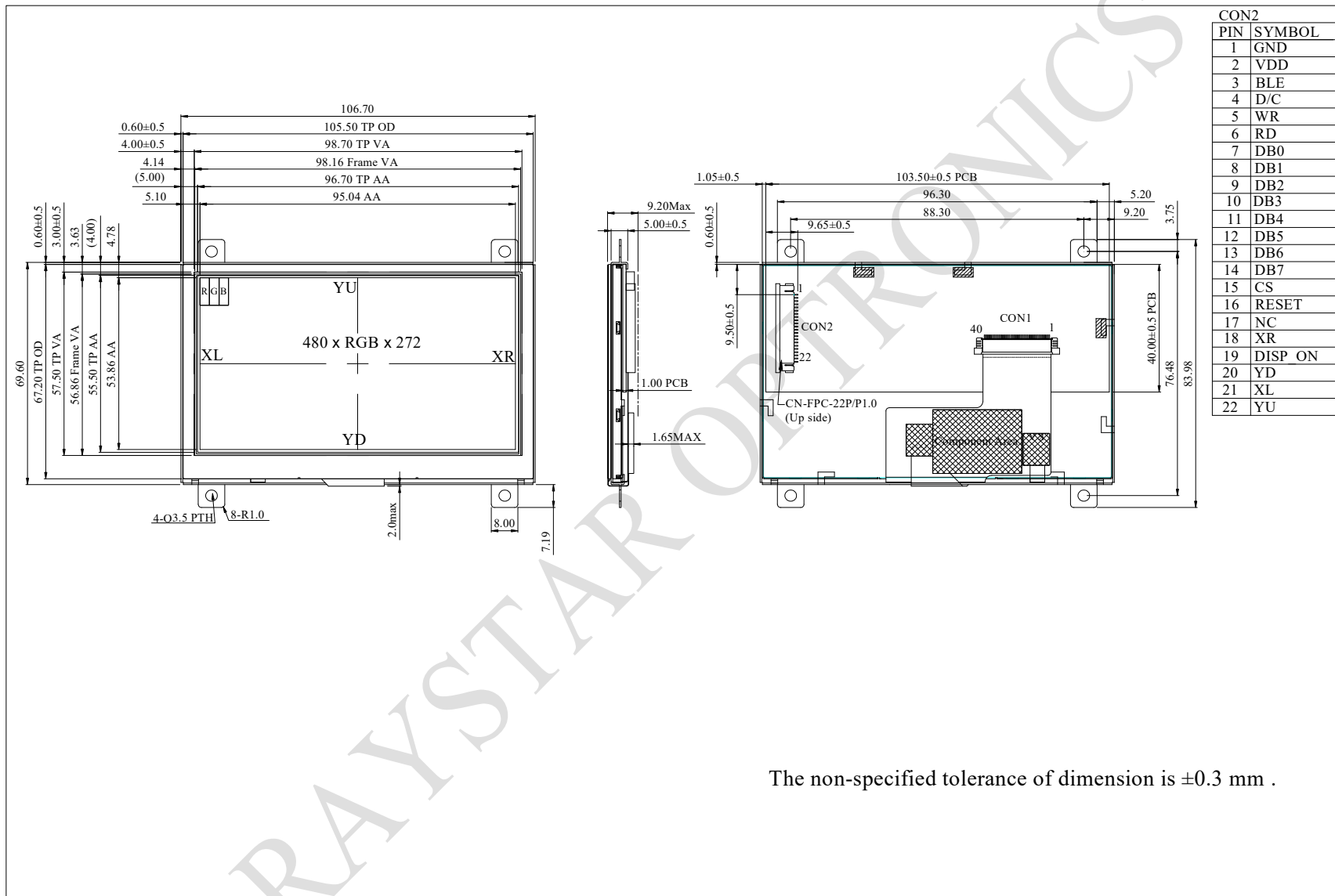
- Size: 4.3 inch
- Dot Matrix: 480 x RGBx272(TFT) dots
- Module dimension: 106.7x 83.98 x 9.2 mm
- Active area: 95.04 x 53.86 mm
- Pixel pitch: 0.066 x 0.198 mm
- LCD type: TFT, Normally Black, Transmissive
- View Direction: 80/80/80/80 (IPS)
- Aspect Ratio: 16:9
- Backlight Type: LED, Normally White
- Controller IC: SSD1963
- Interface: Digital 8080 family MPU 8bit
- Touch Panel: Resistive Touch Panel, RTP
- Surface: Anti-Glare

Interface

LCM PIN Definition

Pin	Symbol	Function
1	GND	System round pin of the IC. Connect to system ground.
2	VDD	Power Supply
3	BLE	Backlight control signal , H: On \ L: Off
4	D/C	Data/Command select
5	WR	Write strobe signal
6	RD	Read strobe signal
7	DB0	Data bus
8	DB1	Data bus
9	DB2	Data bus
10	DB3	Data bus
11	DB4	Data bus
12	DB5	Data bus
13	DB6	Data bus
14	DB7	Data bus
15	CS	Chip select
16	RESET	Hardware reset
17	NC	No connection
18	XR	Right electrode
19	DISP_ON	Display control H: On \ L:Off
20	YD	Bottom electrode
21	XL	Left electrode
22	YU	Top electrode

Contour Drawing



The non-specified tolerance of dimension is ± 0.3 mm .

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	Min	Typ	Max	Unit
Supply Voltage For LCM	VDD	3.0	3.3	3.6	V
Supply Current For LCM	IDD	—	270	405	mA