

TFT DISPLAY SPECIFICATION



RAYSTAR

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RFG57AA4-1LW-DAS

General Specifications

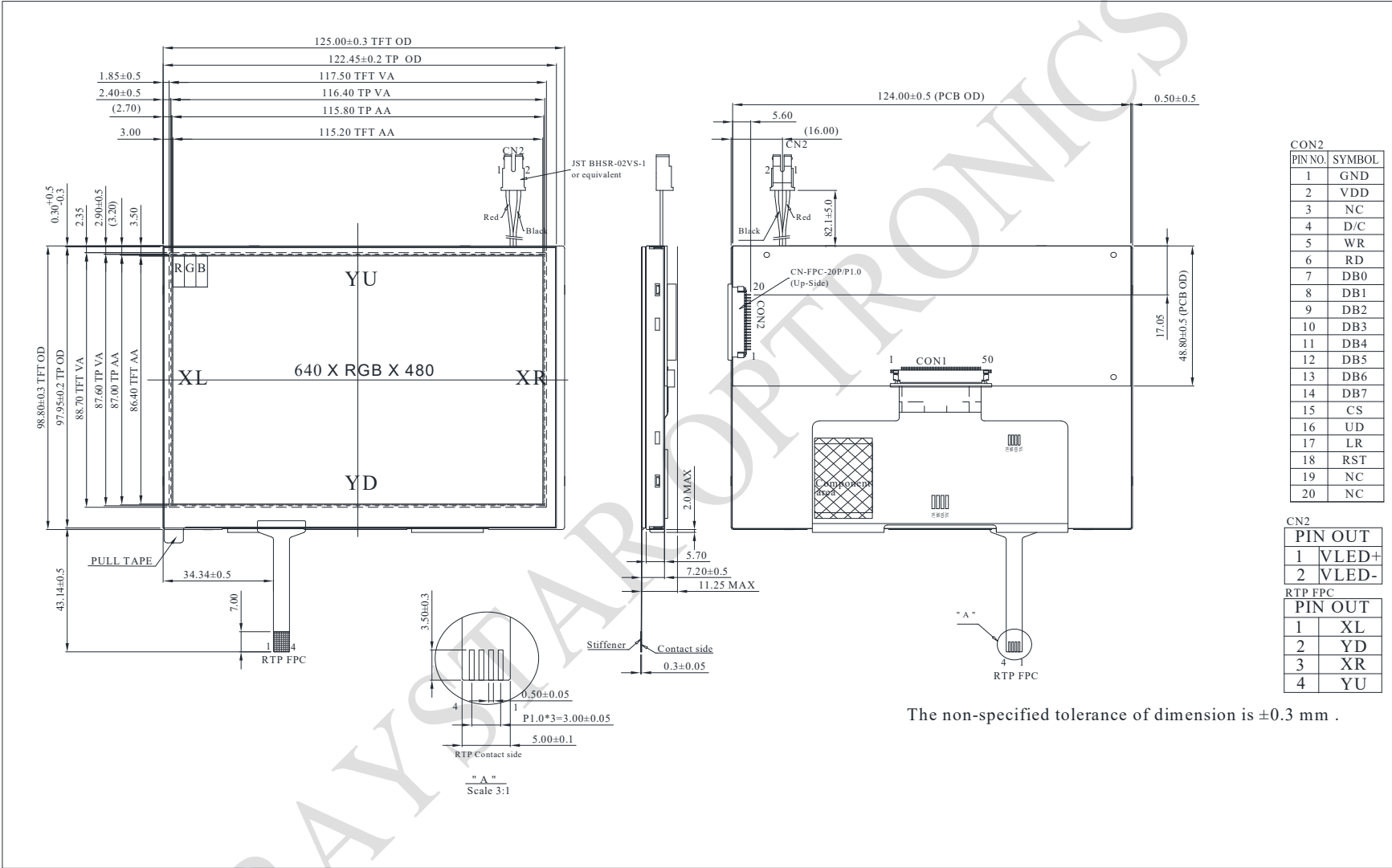
- Size: 5.7 inch
- Dot Matrix: 640 x RGB x 480(TFT) dots
- Module dimension: 125.0 x 98.8 x 11.25(MAX) mm
- Active area: 115.2 x 86.4 mm
- Pixel pitch: 0.18 x 0.18 mm
- LCD type: TFT, Normally White, Transmissive
- View Direction: 6 o'clock
- Gray Scale Inversion Direction: 12 o'clock
- Aspect Ratio: 4:3
- Controller IC: SSD1963
- Interface: Digital 8080 family MPU
- Drive IC: HX8250+HX8678
- Backlight Type: LED ,Normally White
- Touch Panel: Resistive Touch Panel, RTP
- Surface: Anti-Glare

Interface

LCM PIN Definition

Pin No.	Symbol	Description
1	GND	System ground pin of the IC. Connect to System ground.
2	VDD	Power Supply : +3.3V
3	NC	No connection
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	UD	Up/down selection
17	LR	Left /right selection
18	RST	Hardware reset
19	NC	No connection
20	NC	No connection

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 LCM	VDD	—	3.0	3.3	3.6	V
Supply Current For LCM	IDD	—	—	9	—	mA

LED driving conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit
LED current	-	-	60	-	mA
Power Consumption	--	-	1386	1479	mW
LED voltage	VBL+	18.9	23.1	24.5	V
LED Life Time		-	50,000	-	Hr