TFT DISPLAY SPECIFICATION



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SPECIFICATION

MODULE NO.: WF57-640480A48#A01-FC

General Specifications

Item	Dimension	Unit
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	

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Absolute Maximum Ratings

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

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

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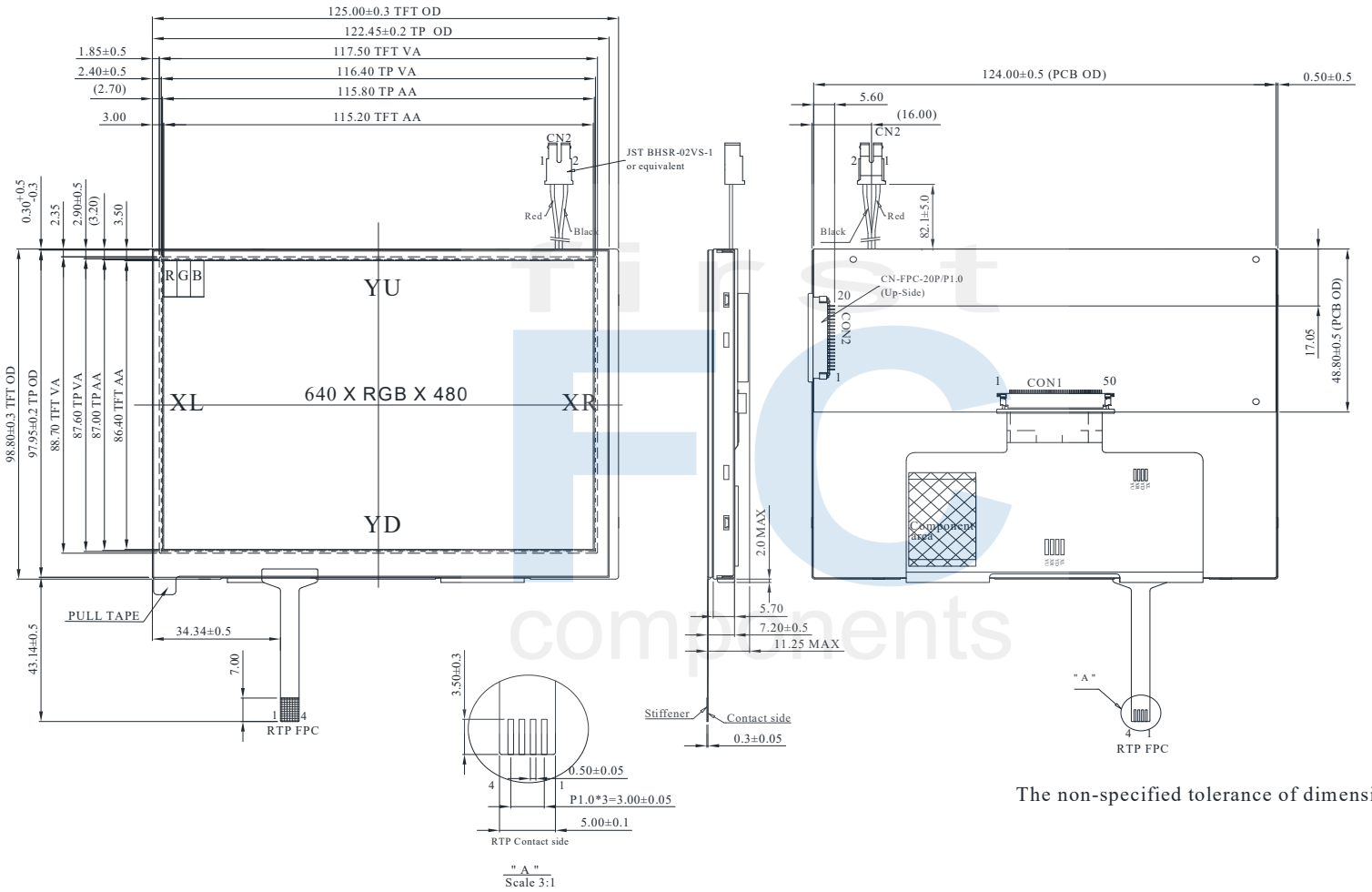
Interface

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

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Contour Drawing



CON2

PIN NO.	SYMBOL
1	GND
2	VDD
3	NC
4	D/C
5	WR
6	RD
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	CS
16	UD
17	LR
18	RST
19	NC
20	NC

CN2

PIN OUT	
1	VLED+
2	VLED-

RTP FPC

PIN OUT	
1	XL
2	YD
3	XR
4	YU

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

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