



RAYSTAR

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## RFC570M-EIW-DRS

### SPECIFICATION

#### General Specifications

- Size: 5.7 inch
- Dot Matrix: 320 x RGB x 240(TFT)
- Module dimension: 141.12(W) x 101.55(H) x 15.8 (D)mm
- Active area: 115.2 x 86.4 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
- Interface: Uart 19200 Baud rate/SPI
- Touch Panel: Resistive Touch Screen
- Surface: Anti-Glare
- Operating mode: Slave mode
- Flash Memory Size: 32M bits

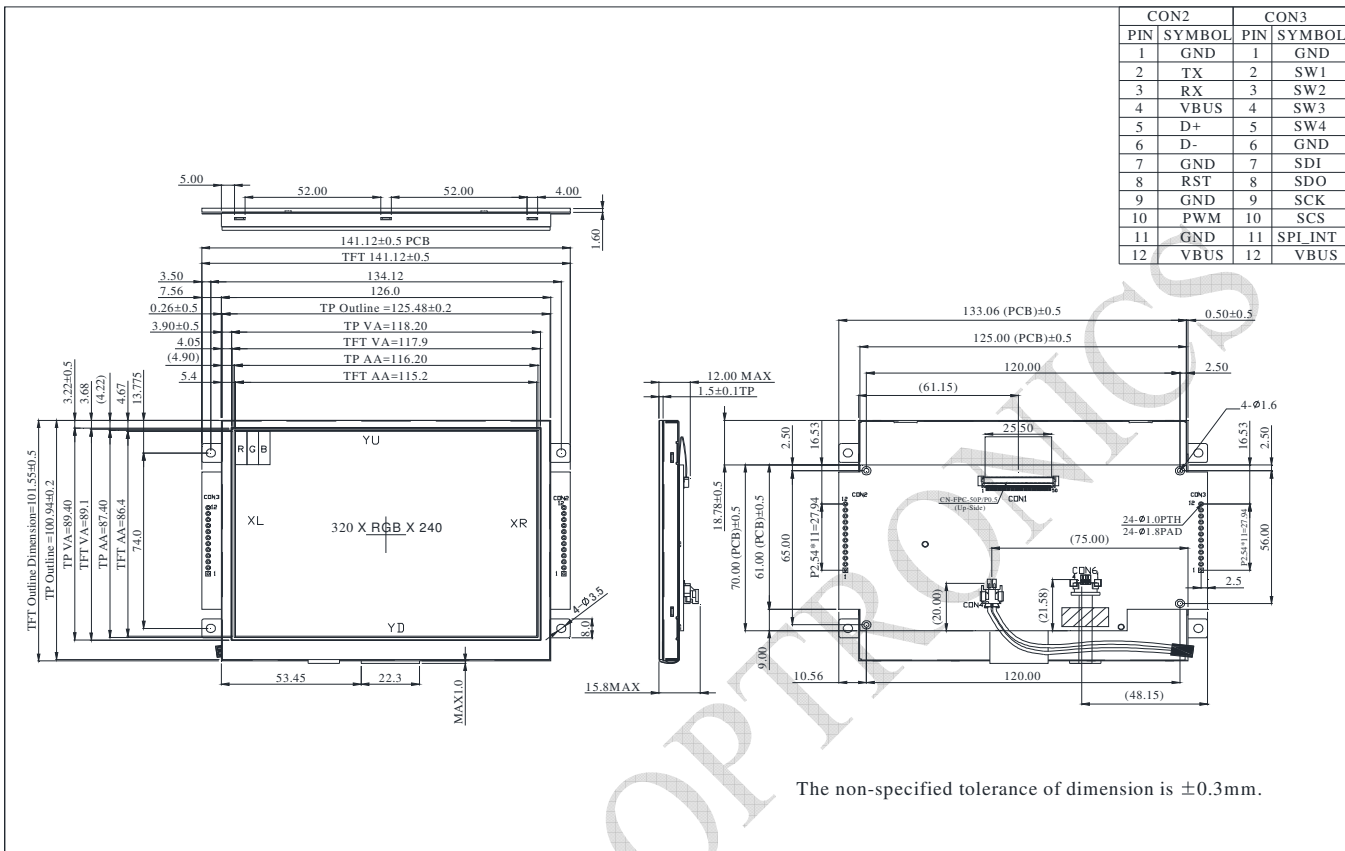
\*Color tone slight changed by temperature and driving voltage

## Interface

<b>CON 2</b>			
<b>Pin</b>	<b>Symbol</b>	<b>I/O</b>	<b>Function</b>
1	GND	Power Supply	Power Ground
2	TX	O	Uart Transmit pin
3	RX	I	Uart Receive pin
4	VBUS	Power Supply	Power supply : 5V
5	D+	I/O	USB Data +
6	D-	I/O	USB Data -
7	GND	Power Supply	Power Ground
8	/REST	I	Reset (active Low)
9	GND	Power Supply	Power Ground
10	PWM	O	Pulse width modulation
11	GND	Power Supply	Power Ground
12	VBUS	Power Supply	Power supply : 5V

<b>CON 3</b>			
<b>Pin</b>	<b>Symbol</b>	<b>I/O</b>	<b>Function</b>
1	GND	Power Supply	Power Ground
2	SW1	I	Switch ( active low)
3	SW2	I	Switch ( active low)
4	SW3	I	Switch ( active low)
5	SW4	I	Switch ( active low)
6	GND	Power Supply	Power Ground
7	SDI	O	Master Input Slave Output (MISO)
8	SDO	I	Master Output Slave Input (MOSI)
9	SCK	I	Serial Clock
10	CS	I	Serial Chip selection
11	SPI_INT	O	Serial Interrupt
12	VBUS	Power Supply	Power supply : 5V

# Contour Drawing



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

## 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	—	4.5	5	5.5	V
Supply Current For LCM	IDD	—	—	521	—	mA
Power Consumption	—	VDD=5V	—	2605	—	mW

### LED driving conditions (LED Driver system build in)

Parameter	Symbol	Min.	Typ.	Max.	Unit
LED current		-	140	-	mA
Power Consumption		1260	-	1470	mW
LED voltage	VBL+	9.0	-	10.5	V
LED Life Time		-	50,000	-	Hr