



# BTC050AB-EWR\$

## ● Feature

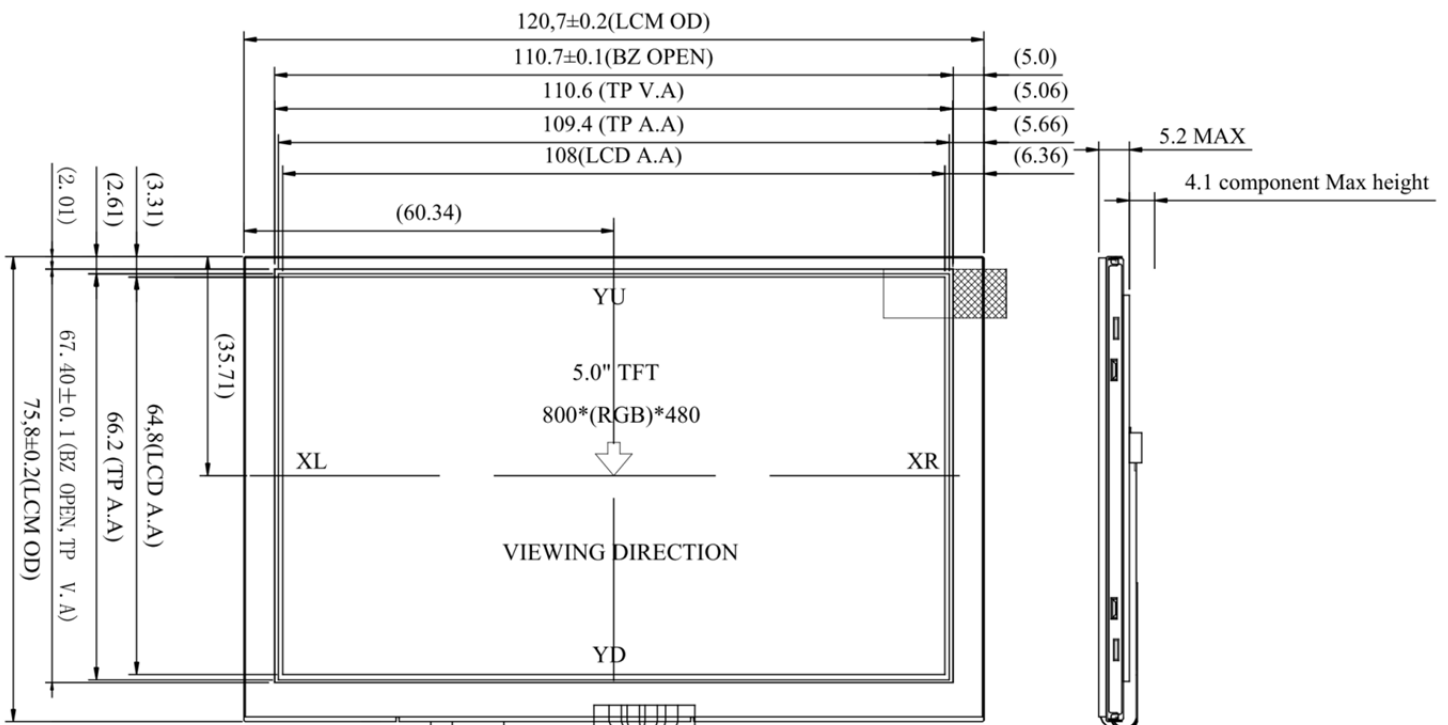
1. 5.0" TFT LCD Module
2. Resolution:800\*RGB\*480
3. Display Type:TFT/Transmissive/Normally/white
4. Interface Type: Parallel
5. Controller IC: RA8875
6. Top:-20°C~70°C
7. Support Resistive Touch Panel



## ● Mechanical Data

1. Module(WxHxT)(mm):120.7\*75.8\*9.5
2. Active Area(mm):108.0\*64.8
3. LED Numbers: 12 LEDs

## ● Mechanical Drawing



## ● Interface Pin Function

Pin No.	Symbol	I/O Level	Description
1	VSS	-	Ground
2	VDD	-	Power supply for Logic,(3.3V)
3	BL_EN	H/L	Backlight control pin. H:On \ L: Off
4	RS	H/L	H: Data , L: Instruction
5	/WR	H/L	In 8080 series, this pin is used as /WR signal (data write) , active low.
6	/RD	H/L	In 8080 series, this pin is used as /RD signal (Data Read) , active low.
7~14	DB0~DB7	H/L	Data bus line
15	/CS	H/L	Chip Select input, Low active.
16	/RES	H/L	Reset signal
17	WAIT	-	Wait Signal Output This is a WAIT output to indicate the RA8875 is in busy state. The RA8875 can't access MCU cycle when WAIT pin is active. It is active low and could be used for MCU to poll busy status by connecting it to I/O port.
18	INT	-	Interrupt Signal Output The interrupt output for MCU to indicate the status of RA8875.
19	VLED+	-	Power supply for backlight driver.(3.0~5.0V)
20	VLED-	-	Power supply for backlight driver.(GND)

## ● Electrical Characteristics

### Module

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply Voltage For Logic	VDD	—	3.0	—	3.3	V
Input High Voltage	V <sub>IH</sub>	—	0.7VDD	—	VDD	V
Input Low Voltage	V <sub>IL</sub>	—	VSS	—	0.3VDD	V
Supply Current	I <sub>dd</sub>	VDD =3.3V	—	—	—	mA

### Backlight

Item	Symbol	Min.	Typ.	Max.	Unit
Luminance	L	220	280	350	cd/m <sup>2</sup>