



BTC050AB-GWR\$

● Feature

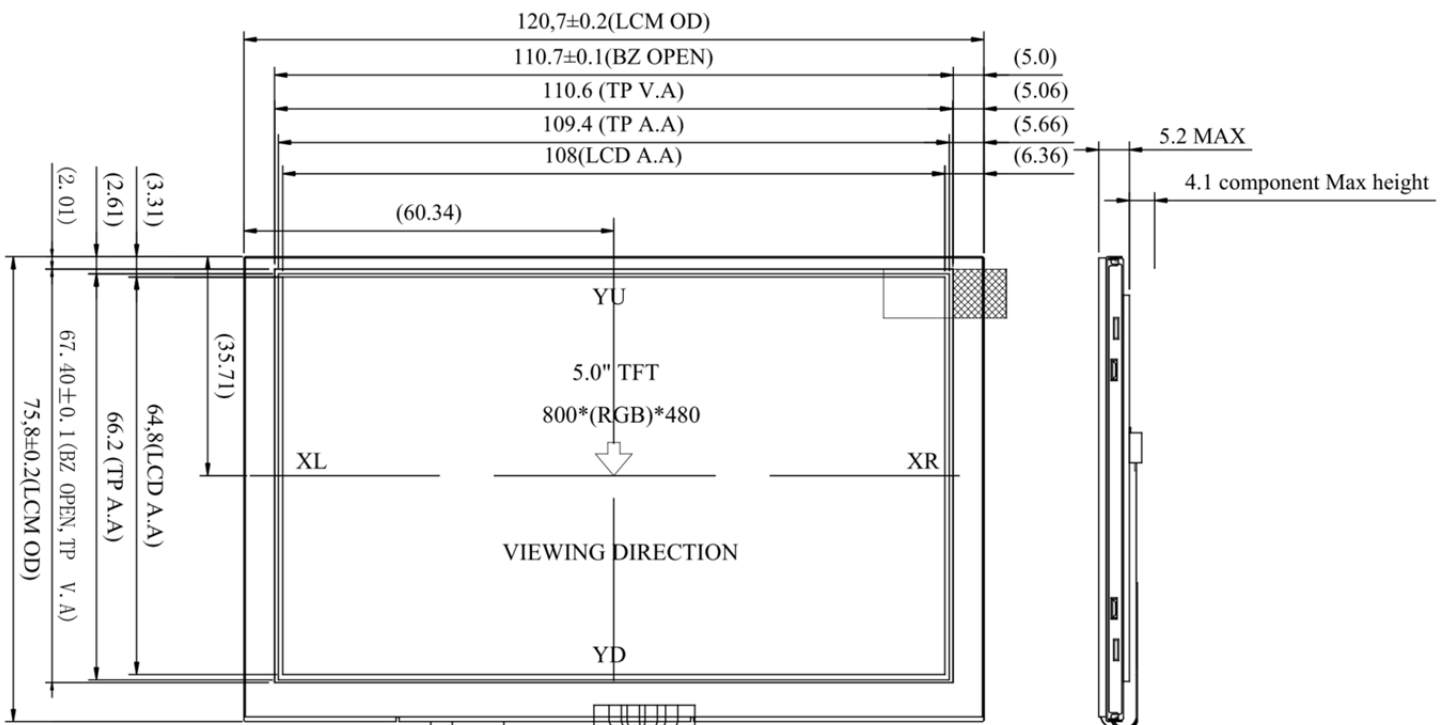
1. 5.0" TFT LCD Module
2. Resolution:800*RGB*480
3. Display Type:TFT/Transmissive/Normally/white
4. Interface Type:4-Wire SPI
5. Controller IC: RA8875
6. Top:-20°C~70°C
7. Support Resistive Touch Panel



● 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	SCS	I	SPI Chip Select.
			Chip select pin for 4-wire serial I/F.
4	SDO	O	Data output for 4-wire serial I/F.
5	SDI	I	Data input for 4-wire serial I/F.
6	SCL	I	SPI Clock input.
7	NC	I	NC, please connect it to VDD.
8	NC	I	NC, please connect it to VDD.
9	INT	-	Interrupt Signal Output
			The interrupt output for MCU to indicate the status of RA8875.
10	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.
11	/RES	H/L	Reset signal
12	BL_EN	H/L	Backlight control pin. H:On \ L: Off
13	VLED+	-	Power supply for backlight driver.(Typ.5.0V)
14	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 _{IH}	—	0.7VDD	—	VDD	V
Input Low Voltage	V _{IL}	—	VSS	—	0.3VDD	V
Supply Current	I _{dd}	VDD =3.3V	—	—	—	mA

Backlight

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