



● Feature

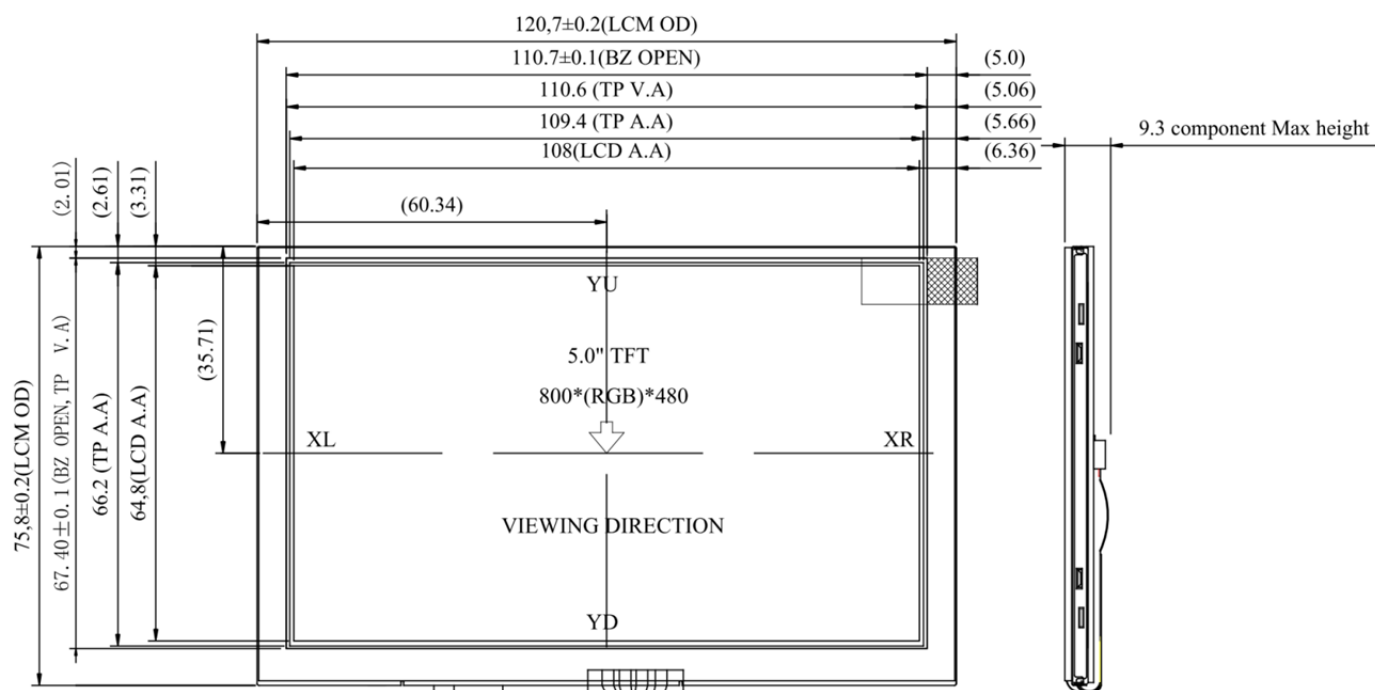
1. 5.0" TFT LCD Module
2. Resolution: 800*RGB*480
3. Display Type: TFT/Transmissive/Normally/white
4. Interface Type: 4-Wire SPI
5. Controller IC: RA8876
6. Top: -20°C~70°C
7. Support Resistive Touch Panel



● Mechanical Data

1. Module (WxHxT) (mm): 120.7*75.8*9.3
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
1,2	VSS	-	Ground.
3,4	VDD	-	Power supply for Logic.(3.3V)
5	BL_EN	H/L	Backlight control pin. H:On \ L: Off.
6~9	VSS	-	Ground.
10	INT	-	Interrupt Signal Output. The interrupt output for MCU to indicate the status of RA8876.
11	/RST	H/L	Reset signal.
12~15	VSS	-	Ground.
16	SCS	H/L	SPI Chip Select.
17	SDO	H/L	4-wire SPI Data Output.
18	SDI	H/L	4-wire SPI Data Input.
19	SCL	H/L	4-wire Serial clock.
20~27	VSS	-	Ground.
28	TP-CLK	H/L	External Clock Input for TP controller.
29	TP-CS	H/L	Chip Select Input for TP controller.
30	TP-INT	H/L	Interrupt output for TP controller.
31	TP-DI	H/L	Serial Data Input for TP controller.
32	TP-DO	H/L	Serial Data output for TP controller.
33,34	VLED+	-	Power supply for backlight driver.(3.0~5.0V)
35,36	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	—	cd/m ²