

## Feature

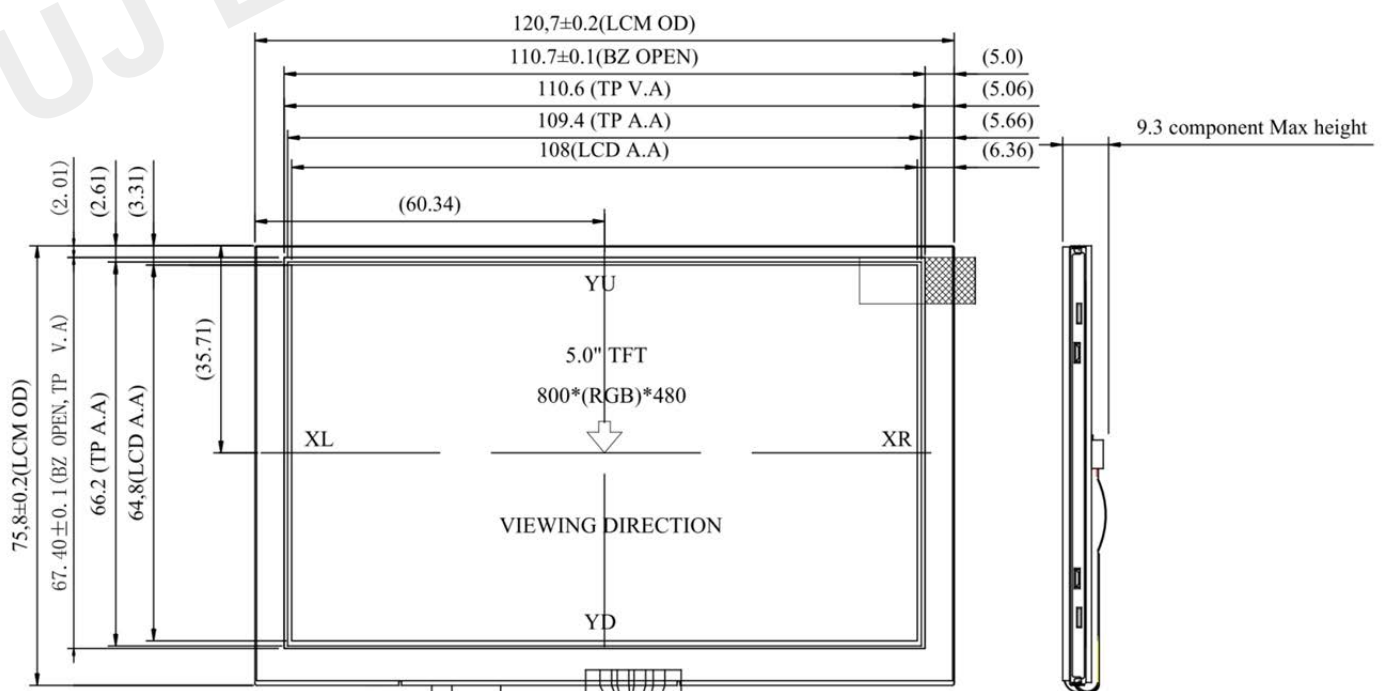
1. 5.0" TFT LCD Module
2. Resolution: 800\*RGB\*480
3. Display Type: TFT/Transmissive/Normally/white
4. Interface Type: Parallel
5. Controller IC: RA8876
6. Top: -20°C ~ 70°C
7. Support Resistive Touch Panel



## 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

## Dimension



## 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       | RS       | H/L       | H: Data , L: Instruction.                                                                  |
| 7       | /WR      | H/L       | In 8080 series, this pin is used as /WR signal (data write) , active low.                  |
| 8       | /RD      | H/L       | In 8080 series, this pin is used as /RD signal (Data Read) , active low.                   |
| 9       | /CS      | H/L       | Chip Select input, Low active.                                                             |
| 10      | INT      | -         | Interrupt Signal Output.<br>The interrupt output for MCU to indicate the status of RA8876. |
| 11      | /RST     | H/L       | Reset signal.                                                                              |
| 12~27   | DB0~DB15 | H/L       | Data bus line.                                                                             |
| 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)                                                    |

## Electronic 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  | —    | cd/m <sup>2</sup> |