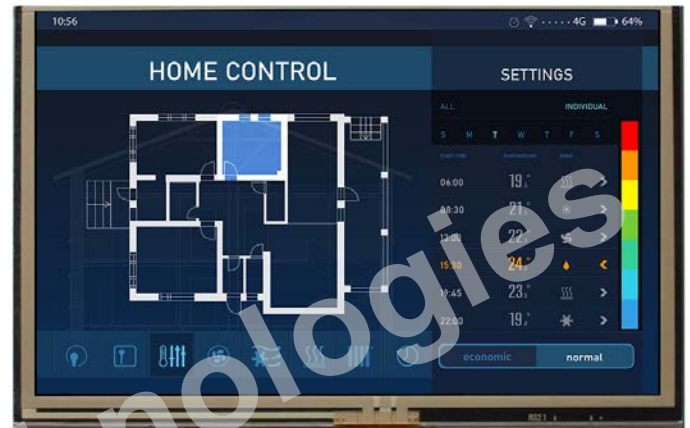


## Feature

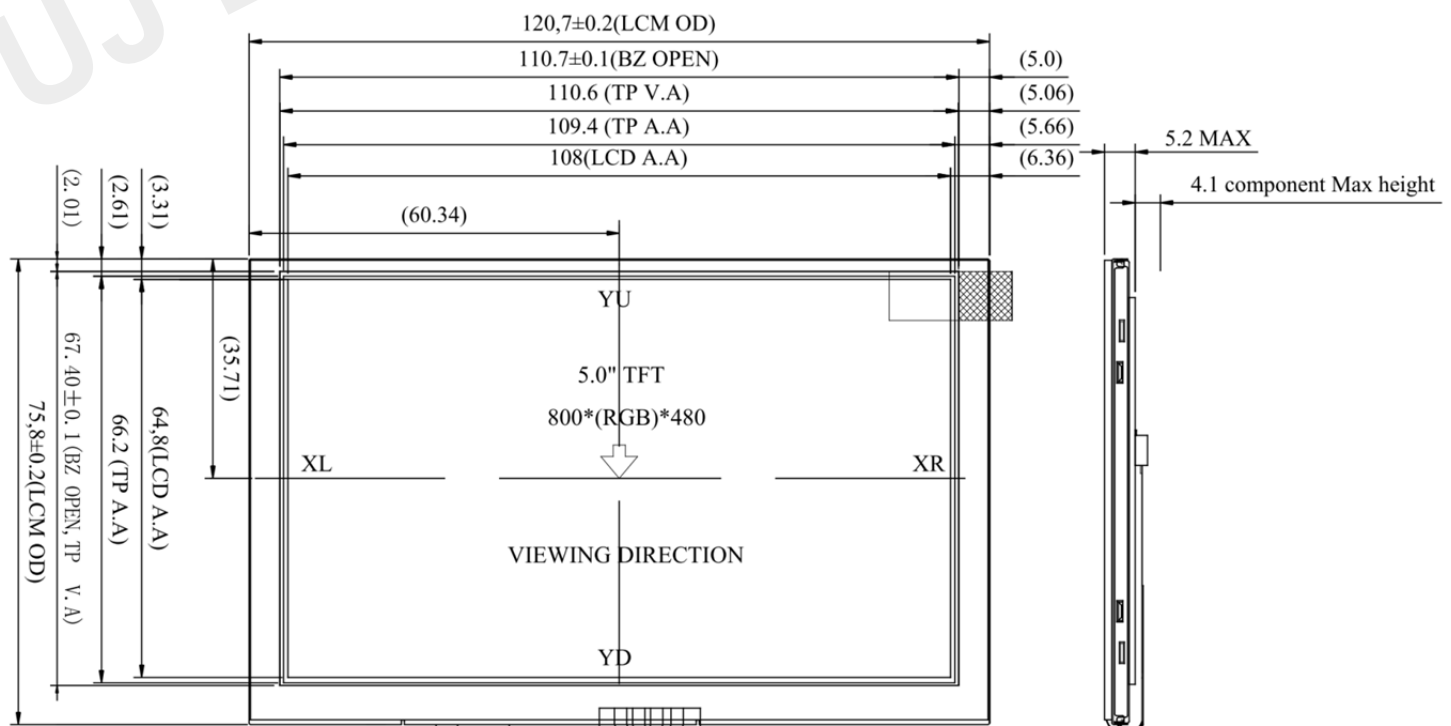
1. 5.0" TFT LCD Module
2. Resolution:800\*RGB\*480
3. Display Type:TFT/Transmissive/Normally/white
4. Interface Type:4-Wire SPI
5. Controller IC: RA8875
6. Top:-20°C~70°C
7. Support Resistive Touch Panel



## 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

## Dimension



 **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.<br>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<br>The interrupt output for MCU to indicate the status of RA8875.                                                                                                                                                          |
| 10      | WAIT   | -         | Wait Signal Output<br>This is a WAIT output to indicate the RA8875 is in busy state.<br>The RA8875 can't access MCU cycle when WAIT pin is active.<br>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)                                                                                                                                                                                                            |

 **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  | 350  | cd/m <sup>2</sup> |