

## Feature

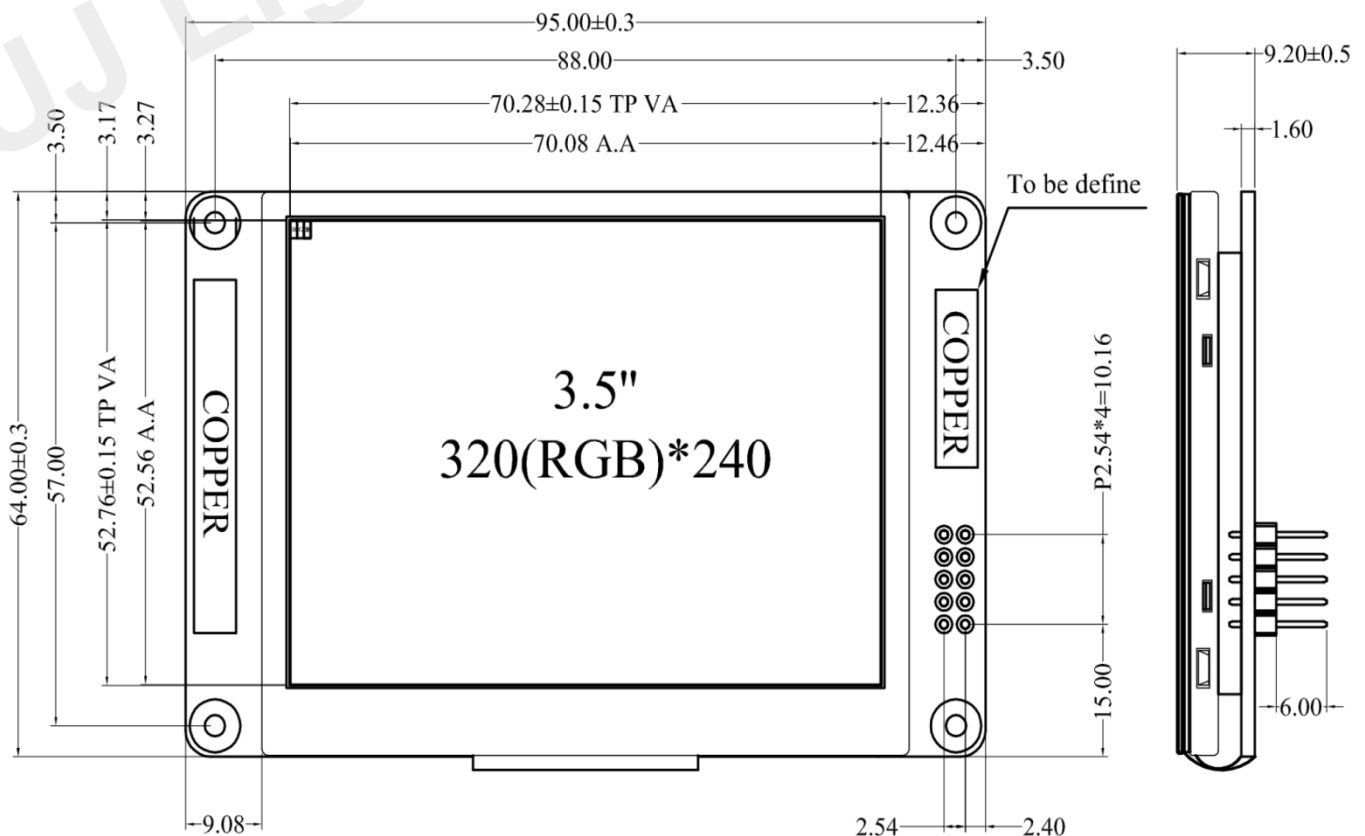
1. 3.5" IPS TFT LCD Module
2. Resolution:320\*RGB\*240
3. Display Type:TFT/Transmissive/Normally/white
4. Interface Type:4-Wire SPI
5. Controller IC: FT811
6. Top:-20°C ~70°C
7. Support Capacitive Touch Panel



## Mechanical Data

1. Module(WxHxT)(mm):95.0\*64.0\*9.2
2. Active Area(mm):70.08\*52.56
3. LED Numbers: 6 LEDs

## Dimension



## Interface Pin Function

CN1

| Pin No. | Symbol  | Type | Function                                                                        |
|---------|---------|------|---------------------------------------------------------------------------------|
| 1       | VSS     | P    | Ground.                                                                         |
| 2       | VDD     | P    | Power supply voltage.                                                           |
| 3       | LCM_RST | I    | Chip power down mode control input, active low.                                 |
| 4,5     | NC      | -    | No connection.                                                                  |
| 6       | INT     | O    | Interrupt to host, open drain output (default) or push-pull output, active low. |
| 7       | CSFT    | I    | Chip select signal. Active low.                                                 |
| 8       | MOSI    | I    | SPI MOSI input.                                                                 |
| 9       | MISO    | O    | SPI MISO output.                                                                |
| 10      | SCK     | I    | SPI clock input.                                                                |

CN2

| Pin No. | Symbol  | Type | Function                                                                        |
|---------|---------|------|---------------------------------------------------------------------------------|
| 1,2,19  | VSS     | P    | Ground.                                                                         |
| 3,4,20  | VDD     | P    | Power supply voltage.                                                           |
| 5~12    | NC      | -    | No connection.                                                                  |
| 13      | LCM_RST | I    | Chip power down mode control input, active low.                                 |
| 14      | INT     | O    | Interrupt to host, open drain output (default) or push-pull output, active low. |
| 15      | CSFT    | I    | Chip select signal. Active low.                                                 |
| 16      | MOSI    | I    | SPI MOSI input.                                                                 |
| 17      | MISO    | O    | SPI MISO output.                                                                |
| 18      | SCK     | I    | SPI clock input.                                                                |

## Electronic Characteristics

### Module

| Item                  | Symbol   | Condition    | Min.         | Typ. | Max. | Unit |
|-----------------------|----------|--------------|--------------|------|------|------|
| Supply Voltage        | $V_{DD}$ |              | -            | 3.3  | -    | V    |
| Input signal Voltage  | $V_{IH}$ |              | 2            | -    | -    | V    |
|                       | $V_{IL}$ |              | -            | -    | 0.8  | V    |
| Output signal Voltage | $V_{OH}$ | $I_{OH}=5mA$ | $V_{DD}-0.4$ | -    | -    | V    |
|                       | $V_{OL}$ | $I_{OL}=5mA$ | -            | -    | 0.4  | V    |
| Digital Current       | $I_{DD}$ |              | -            | 300  | -    | mA   |

### Backlight

| Item      | Symbol | Min. | Typ. | Max. | Unit              |
|-----------|--------|------|------|------|-------------------|
| Luminance | L      | 360  | 400  | —    | cd/m <sup>2</sup> |