

## Feature

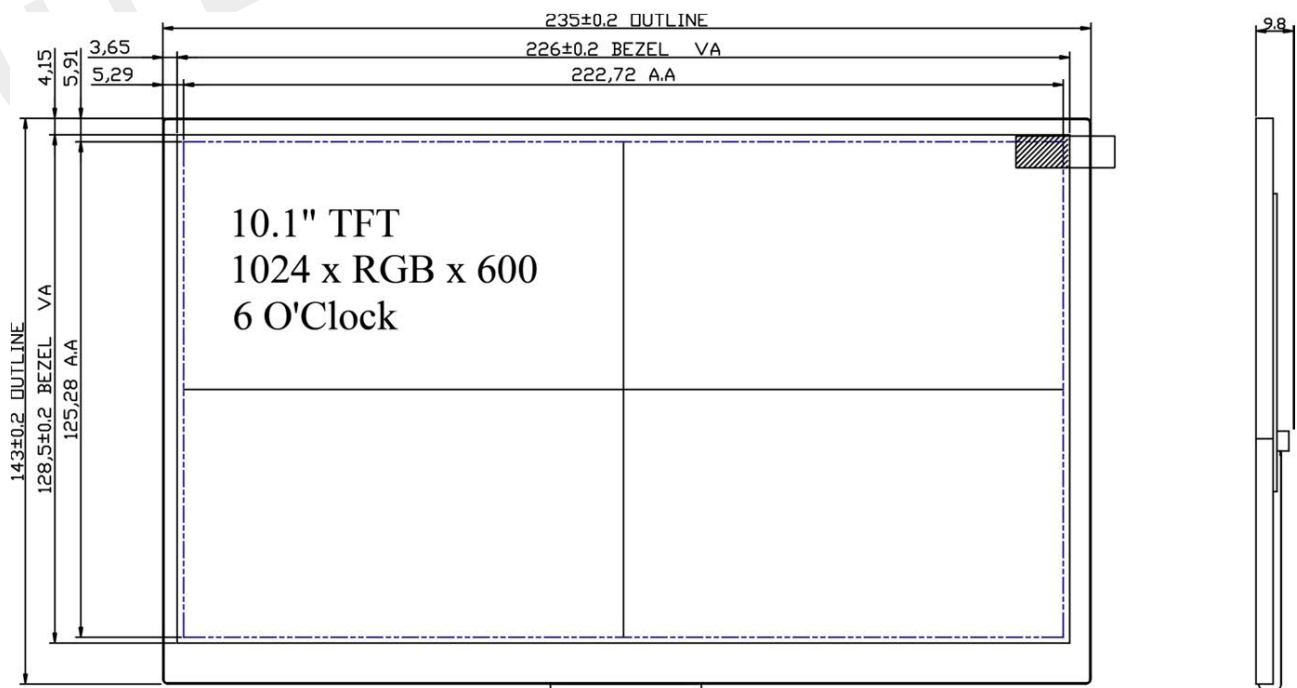
1. 10.1" TFT LCD Module
2. Resolution:1024\*RGB\*600
3. Display Type:TFT/Transmissive/Normally/white
4. Interface Type: 4-Wire SPI
5. Controller IC: RA8876
6. Top:-20°C~60°C



## Mechanical Data

1. Module(WxHxT)(mm):235\*143\*9.8
2. Active Area(mm):222.72\*125.28
3. LED Numbers: 42 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.                                                      |
| 6~9     | VSS    | -         | Ground.                                                                                    |
| 10      | INT    | -         | Interrupt Signal Output.<br>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       | No connection                                                                              |
| 29      | TP-CS  | H/L       | No connection                                                                              |
| 30      | TP-INT | H/L       | No connection                                                                              |
| 31      | TP-DI  | H/L       | No connection                                                                              |
| 32      | TP-DO  | H/L       | No connection                                                                              |
| 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       | $V_{IH}$ | —         | 0.7VDD | —    | VDD    | V    |
| Input Low Voltage        | $V_{IL}$ | —         | VSS    | —    | 0.3VDD | V    |
| Supply Current           | Idd      | VDD =3.3V | —      | —    | —      | mA   |

### Backlight

| Item      | Symbol | Min. | Typ. | Max. | Unit              |
|-----------|--------|------|------|------|-------------------|
| Luminance | L      | 340  | 360  | —    | cd/m <sup>2</sup> |