



## SPECIFICATION

**MODULE NO.: WF24FTLAJDNN0#**

### General Specifications

| Item                           | Dimension                         | Unit |
|--------------------------------|-----------------------------------|------|
| Size                           | 2.4"                              |      |
| Dot Matrix                     | 240 x RGB x 320(TFT)              | dots |
| Module dimension               | 42.72(W) x 60.26(H) x 2.2(D)      | mm   |
| Active area                    | 36.72 x 48.96                     | mm   |
| Dot pitch                      | 0.051 x 0.153                     | mm   |
| LCD type                       | TFT, Normally White, Transmissive |      |
| View Direction                 | 6 o'clock                         |      |
| Gray Scale Inversion Direction | 12 o'clock                        |      |
| Backlight Type                 | LED, Normally White               |      |
| With /Without TP               | Without TP                        |      |
| Surface                        | Glare                             |      |

\*Color tone slight changed by temperature and driving voltage.

# Absolute Maximum Ratings

| Item                  | Symbol | Min | Typ | Max | Unit |
|-----------------------|--------|-----|-----|-----|------|
| Operating Temperature | TOP    | -20 | —   | +70 | °C   |
| Storage Temperature   | TST    | -30 | —   | +80 | °C   |

# Electrical Characteristics

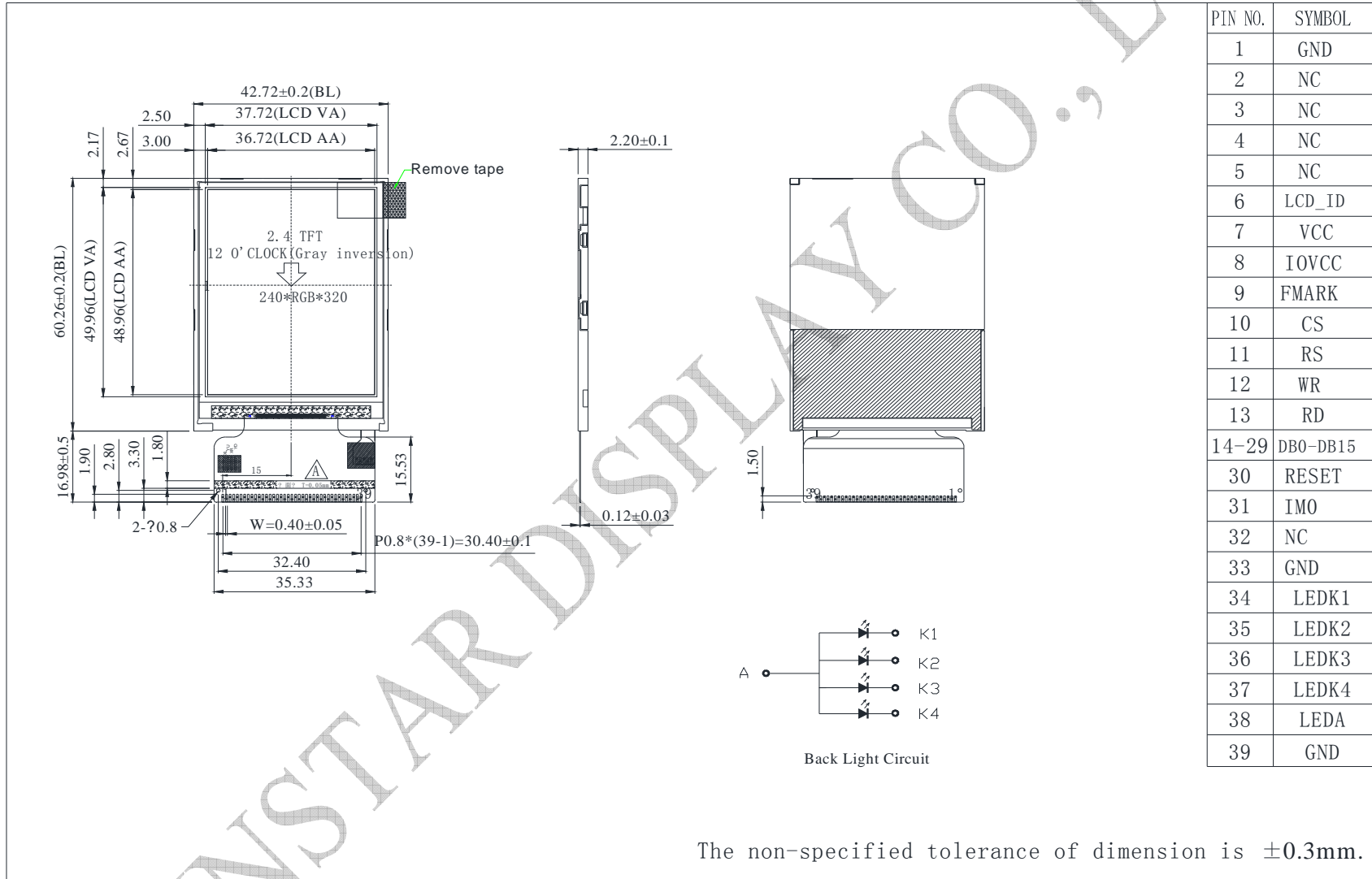
Operating conditions:

| Item                      | Symbol | Condition | Min  | Typ | Max | Unit |
|---------------------------|--------|-----------|------|-----|-----|------|
| Supply Voltage For Analog | VCC    | —         | 2.5  |     | 3.3 | V    |
| Supply Voltage For Logic  | VCCIO  |           | 1.65 |     | 3.3 | V    |

# Interface

| NO    | Symbol    | Function   | I/O |
|-------|-----------|--|-----|
| 1     | GND       | Ground   | P   |
| 2-5   | NC        | No connect   | -   |
| 6     | LCD_ID    | No connect   | -   |
| 7     | VCC       | power supply(TYP:2.8V).  | P   |
| 8     | IOVCC     | power supply(TYP:1.8V/2.8V).   | P   |
| 9     | FMARK     | Synchronies MCU to frame rate  | I   |
| 10    | CS        | Chip select signal.  | I   |
| 11    | RS        | register select  | I   |
| 12    | WR        | Write data when WRX is Low.  | I   |
| 13    | RD        | Read strobe signal. Read out data when RDX is Low.                         | I   |
| 14-29 | DB0- DB15 | Data bus   | I/O |
| 30    | RESET     | System reset pin.  | I   |
| 31    | IM0       | Data interface select<br>IM0=GND 16Bit DB0-DB15<br>IM0=IOVCC 8Bit DB8-DB15 | I   |
| 32    | NC        | No connect   | -   |
| 33    | GND       | Ground   | P   |
| 34-37 | LEDK1-K4  | Cathode of LED backlight.  | P   |
| 38    | LEDA      | Anode of LED backlight.  | P   |
| 39    | GND       | Ground   | P   |

# Contour Drawing



The non-specified tolerance of dimension is ±0.3mm.