



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



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SPECIFICATION

MODULE NO.: WF43WSWAEDNNO#

General Specifications

| Item | Dimension | Unit |
|------------------|-----------------------------------|------|
| Size | 4.3 | inch |
| Dot Matrix | 480 x RGB x 272(TFT) | dots |
| Module dimension | 105.5(W) x 67.2(H) x 2.95(D) | mm |
| Active area | 95.04 x 53.856 | mm |
| Dot pitch | 0.066 x 0.198 | mm |
| LCD type | TFT, Normally Black, Transmissive | |
| Viewing Angle | 80/80/80/80 | |
| Aspect Ratio | 16:9 | |
| TFT Driver IC | SC7283 or equivalent | |
| Interface | 24-bit RGB | |
| Backlight Type | LED, Normally White | |
| With /Without TP | Without Touch Panel | |
| Surface | Glare | |

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

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

Electrical Characteristics

Operating conditions:

| Item | Symbol | Min | Typ | Max | Unit |
|------------------------|--------|-----|-----|------|------|
| Supply Voltage For LCM | VCC | 3.0 | - | 3.6 | V |
| Supply Current For LCM | ICC | - | 25 | 37.5 | mA |

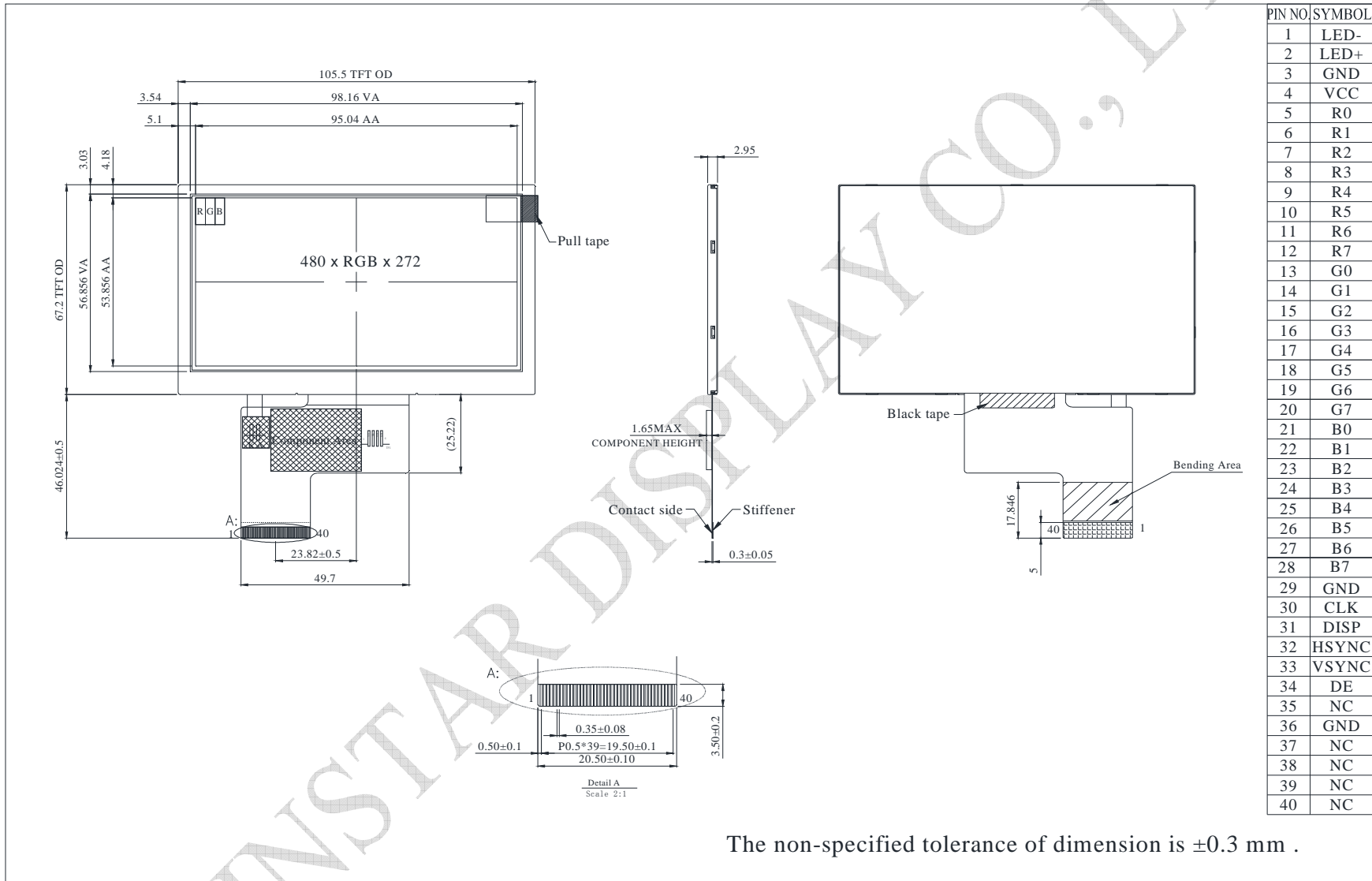
Interface

LCM PIN Definition

| Pin | Symbol | Function |
|-----|--------|---------------------------------|
| 1 | LED- | Power for LED backlight cathode |
| 2 | LED+ | Power for LED backlight anode |
| 3 | GND | Power ground |
| 4 | VCC | Power voltage |
| 5 | R0 | Red data |
| 6 | R1 | Red data |
| 7 | R2 | Red data |
| 8 | R3 | Red data |
| 9 | R4 | Red data |
| 10 | R5 | Red data |
| 11 | R6 | Red data |
| 12 | R7 | Red data |
| 13 | G0 | Green data |
| 14 | G1 | Green data |
| 15 | G2 | Green data |
| 16 | G3 | Green data |
| 17 | G4 | Green data |
| 18 | G5 | Green data |
| 19 | G6 | Green data |
| 20 | G7 | Green data |
| 21 | B0 | Blue data |
| 22 | B1 | Blue data |
| 23 | B2 | Blue data |
| 24 | B3 | Blue data |
| 25 | B4 | Blue data |
| 26 | B5 | Blue data |
| 27 | B6 | Blue data |
| 28 | B7 | Blue data |
| 29 | GND | Power ground |
| 30 | CLK | Pixel clock input pin (DCLK) |

| | | | |
|----|-------|---|----------------------|
| 31 | DISP | DISP sets the display mode. | |
| | | DISP | Function Description |
| | | L | Standby mode |
| | | H | Normal display mode |
| 32 | HSYNC | Horizontal sync signal, default is negative polarity. | |
| 33 | VSYNC | Vertical sync signal, default is negative polarity. | |
| 34 | DE | Data input enable. | |
| 35 | NC | No connection | |
| 36 | GND | Power ground | |
| 37 | NC | No connection | |
| 38 | NC | No connection | |
| 39 | NC | No connection | |
| 40 | NC | No connection | |

Contour Drawing



| PIN NO. | SYMBOL |
|---------|--------|
| 1 | LED- |
| 2 | LED+ |
| 3 | GND |
| 4 | VCC |
| 5 | R0 |
| 6 | R1 |
| 7 | R2 |
| 8 | R3 |
| 9 | R4 |
| 10 | R5 |
| 11 | R6 |
| 12 | R7 |
| 13 | G0 |
| 14 | G1 |
| 15 | G2 |
| 16 | G3 |
| 17 | G4 |
| 18 | G5 |
| 19 | G6 |
| 20 | G7 |
| 21 | B0 |
| 22 | B1 |
| 23 | B2 |
| 24 | B3 |
| 25 | B4 |
| 26 | B5 |
| 27 | B6 |
| 28 | B7 |
| 29 | GND |
| 30 | CLK |
| 31 | DISP |
| 32 | HSYNC |
| 33 | VSYNC |
| 34 | DE |
| 35 | NC |
| 36 | GND |
| 37 | NC |
| 38 | NC |
| 39 | NC |
| 40 | NC |

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