



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司



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SPECIFICATION

MODULE NO.: WF39BTLASDNN0#

General Specifications

| Item | Dimension | Unit |
|--------------------------------|-----------------------------------|------|
| Size | 3.9 | inch |
| Dot Matrix | 480x128 x RGB (TFT) | dots |
| Module dimension | 105.5(W) x 37.0(H) x 3.05(D) | mm |
| Active area | 95.04 x 25.34 | mm |
| Dot pitch | 0.066(W)x 0.198(H) | mm |
| LCD type | TFT, Normally White, Transmissive | |
| View Direction | 6 o'clock | |
| Gray Scale Inversion Direction | 12 o'clock | |
| Aspect Ratio | Bar Type | |
| TFT Driver IC | HX8278-A Or Equal | |
| TFT Interface | RGB-24BIT (SYNC mode) | |
| Backlight Type | LED, Normally White | |
| Touch Panel | Without Touch Panel | |
| Surface | Anti-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 LCM | VCC | — | 3.0 | 3.3 | 3.6 | V |
| Supply Current For LCM | ICC | — | — | 15 | 25 | mA |

Interface

LCM PIN Definition

| No. | Symbol | Description |
|-------|--------|-----------------------------------|
| 1 | VLED- | Backlight LED Cathode |
| 2 | VLED+ | Backlight LED Anode. |
| 3 | GND | System Ground |
| 4 | VCC | Power supply for logic operation |
| 5~12 | R0~R7 | Data bus |
| 13~20 | G0~G7 | Data bus |
| 21~28 | B0~B7 | Data bus |
| 29 | GND | System Ground |
| 30 | DCLK | Pixel clock signal |
| 31 | DISP | Display on/off control |
| 32 | HSYNC | Horizontal Sync signal |
| 33 | VSYNC | Vrtical Sync signal |
| 34 | NC | No connection (Option DE) |
| 35 | NC | No connection |
| 36 | GND | System Ground |
| 37 | NC | No connection (Option XR for RTP) |
| 38 | NC | No connection (Option YD for RTP) |
| 39 | NC | No connection (Option XL for RTP) |
| 40 | NC | No connection (Option YU for RTP) |

Contour Drawing

