



Winstar Display Co., LTD

華凌光電股份有限公司



WEB: <http://www.winstar.com.tw>

E-mail: winstar@winstar.com.tw

SPECIFICATION

MODULE NO.: WF102PTIFGDBN0#

General Specifications

| Item | Dimension | Unit |
|--------------------------------|------------------------------------|------|
| Size | 10.2 | inch |
| Dot Matrix | 800 RGB x 480 | dots |
| Module dimension | 235.0 (H) x145.8 (V) x 12.1 (D) | mm |
| Active area | 222.0(W) x 132.48(H) | mm |
| Dot pitch | 0.0925(W) x 0.276(H) | mm |
| LCD type | TFT, Normally White, Transmissive | |
| View Direction | 12 o'clock | |
| Gray Scale Inversion Direction | 6 o'clock | |
| Backlight Type | LED, Normally White | |
| Controller IC | RA8875 | |
| Interface | Digital 8080 family MPU 8bit/16bit | |
| With /Without TP | Without TP | |
| 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 | VDD | — | 3.0 | 3.3 | 3.6 | V |
| Supply Current For LCM | IDD | — | — | 190 | 195 | mA |

Interface

| Pin | Symbol | Function |
|-----|--------|--|
| 1 | GND | System ground pin of the IC . Connect to system ground. |
| 2 | VDD | Power Supply : +3.3V |
| 3 | NC | No connect |
| 4 | RS | Data/Command select |
| 5 | WR | Write strobe signal |
| 6 | RD | Read strobe signal |
| 7 | DB0 | Data bus |
| 8 | DB1 | Data bus |
| 9 | DB2 | Data bus |
| 10 | DB3 | Data bus |
| 11 | DB4 | Data bus |
| 12 | DB5 | Data bus |
| 13 | DB6 | Data bus |
| 14 | DB7 | Data bus |
| 15 | DB8 | Data bus (When select 8bits Mode, this pin is NC) |
| 16 | DB9 | Data bus (When select 8bits Mode, this pin is NC) |
| 17 | DB10 | Data bus (When select 8bits Mode, this pin is NC) |
| 18 | DB11 | Data bus (When select 8bits Mode, this pin is NC) |
| 19 | DB12 | Data bus (When select 8bits Mode, this pin is NC) |
| 20 | DB13 | Data bus (When select 8bits Mode, this pin is NC) |
| 21 | DB14 | Data bus (When select 8bits Mode, this pin is NC) |
| 22 | DB15 | Data bus (When select 8bits Mode, this pin is NC) |
| 23 | WAIT | Wait Signal Output(H:active) |
| 24 | NC | No connect |
| 25 | CS | Chip select |
| 26 | RST | Hardware reset |
| 27 | L/R | Left / right selection; Default L/R=H |
| 28 | U/D | Up/down selection; ; Default U/D=L |
| 29 | NC | No connect |
| 30 | NC | No connect |
| 31 | NC | No connect |
| 32 | NC | No connect |
| 33 | VLED- | Power for LED Driver IC(GND) |
| 34 | VLED- | Power for LED Driver IC(GND) |
| 35 | VLED+ | Power for LED Driver IC(+5V) |
| 36 | VLED+ | Power for LED Driver IC(+5V) |

Contour Drawing

