BOLYMIN

# BO12864H

## Feature

1. COG package
2. Built-in controller ST7565
3. +2.7~ +3.3V single power supply
4. 1/64 duty cycle
5. On chip LCD booster
6. Option: LED edge B/L, EL B/L
7. Serial or Parallel interface

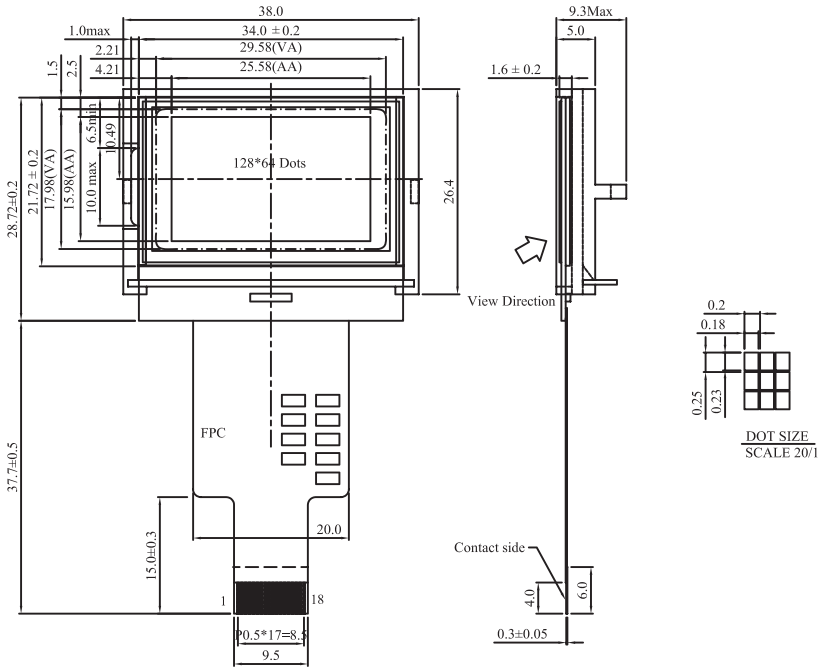
## Mechanical Data

| Item | Standard Value | Unit |
|---|---|---|
| Module Dimension | 34.0 x 28.72 | mm |
| Viewing Area | 29.58 x 17.98 | mm |
| Dot Size | 0.18 x 0.23 | mm |
| Dot Pitch | 0.20 x 0.25 | mm |

## Pin Assignment

| Pin | Symbol | Function |
|---|---|---|
| 1 | VCC | Power supply for logic |
| 2 | GND | GND |
| 3 | /CS1 | This is the chip select signal. Active Low |
| 4 | CS2 | This is the chip select signal. Active High |
| 5 | /RES | Reset signal |
| 6 | A0 | H: Indicates that D0 to D7 are display data.<br>L: Indicates that D0 to D7 are control data.. |
| 7 | RW/WR | 6800 MPU interface :R/W signal<br>8080 MPU interface :WR signal |
| 8 | E/RD | 6800 MPU interface :Enable signal<br>8080 MPU interface :RD signal |
| 9~16 | DB0~DB7 | Data bus |
| 17 | C86 | H: 6800 Series MPU interface.<br>L: 8080 MPU interface. |
| 18 | P/S | P/S = “H”: Parallel data input.<br>P/S = “L”: Serial data input. |

## Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|---|---|---|---|---|
| Input Voltage | Vdd | Vdd =3.0V | 3.3 | V |
| Supply Current | Idd | Vdd =3.0V | 0.13 | mA |
| LCD Driving Voltage | VLCD | 25°C | 9 | V |

## Dimension