

# BO12864I

## 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. Option: Touch Panel
8. Serial or Parallel interface



## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 56.0 x 47.0    | mm   |
| Viewing Area     | 52.0 x 33.5    | mm   |
| Dot Size         | 0.35 x 0.40    | mm   |
| Dot Pitch        | 0.37 x 0.42    | 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 | V <sub>LCD</sub> | 25°C       | 9             | V    |

## Dimension

