

# BO12864B

## Feature

1. COG package
2. Built-in controller SED1565
3. +5V power supply
4. 1/64 duty cycle
5. +3V~+5V single power supply
6. On chip LCD booster



## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 72.0 x 47.0    | mm   |
| Viewing Area     | 68.0 x 36.0    | mm   |
| Dot Size         | 0.47 x 0.47    | mm   |
| Dot Pitch        | 0.50 x 0.50    | mm   |

## Pin Assignment

| Pin | Symbol | Pin | Symbol | Pin | Symbol  |
|-----|--------|-----|--------|-----|---------|
| 1   | C86    | 11  | Cap1+  | 21  | DB2     |
| 2   | Vss    | 12  | Cap3-  | 22  | DB1     |
| 3   | V5     | 13  | Vout   | 23  | DB0     |
| 4   | V4     | 14  | Vss    | 24  | RD(E)   |
| 5   | V3     | 15  | Vdd    | 25  | WR(R/W) |
| 6   | V2     | 16  | DB7    | 26  | Ao      |
| 7   | V1     | 17  | DB6    | 27  | RST     |
| 8   | Cap2+  | 18  | DB5    | 28  | CS1     |
| 9   | Cap2-  | 19  | DB4    |     |         |
| 10  | Cap1-  | 20  | DB3    |     |         |

## Electronic Characteristics

| Item                | Symbol | Condition | Typical Value | Unit |
|---------------------|--------|-----------|---------------|------|
| Input Voltage       | Vdd    | Vdd = +3V | 3.0           | V    |
| Supply Current      | Idd    | Vdd = +5V | 0.5           | mA   |
| LCD Driving Voltage | Vdd-Vo | 25°C      | 9.0           | V    |

## Dimension

