

# BL12864E



## Feature

1. OLED Display 128 x 64 dots
2. Built-in Controller SSD1303
3. +3.3V single power supply
4. 1/128 duty
5. Option: positive voltage for LCD
6. Color: 128 x 16(yellow area color)  
128 x 48(blue area color)



## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 28.22 x 21.63  | mm   |
| Viewing Area     | 27.22 x 15.58  | mm   |
| Dot Size         | 0.16 x 0.16    | mm   |

## Pin Assignment

| Pin  | Symbol  | Function                    |
|------|---------|-----------------------------|
| 1    | Vss     | GND                         |
| 2    | Vdd     | +3.3V                       |
| 3    | CS      | Chip select                 |
| 4    | /RES    | Reset signal                |
| 5    | RS      | H:Data L:Command            |
| 6    | WR      | Write enable                |
| 7    | RD      | Read enable                 |
| 8~15 | DB0~DB7 | Data bus                    |
| 16   | NC/VO   | No connection/Power control |

## Electronic Characteristics

| Item           | Symbol | Condition            | Typical Value | Unit |
|----------------|--------|----------------------|---------------|------|
| Input Voltage  | Vdd    | Vdd=3.3V             | 3.3           | V    |
| Supply Current | Idd    | Vdd=3.3V             | 120           | mA   |
| Lift Time      |        | 40 cd/m <sup>2</sup> | 7000          | hrs  |

## Dimension

