

# BL160128A



## Feature

1. OLED Display 160 x 128 dots
2. Built-in controller SSD1353
3. +2.4~ +3.5V single power supply, with Built-in positive voltage
4. 1/128 duty cycle
5. Color: 262K color
6. Option: external positive voltage for LCD
7. Option: SPI interface

## Mechanical Data

| Item             | Standard Value  | Unit |
|------------------|-----------------|------|
| Module Dimension | 42.7 x 33.4     | mm   |
| Viewing Area     | 37.015 x 30.012 | mm   |
| Dot Size         | 0.048 x 0.199   | mm   |
| Dot Pitch        | 0.073 x 0.219   | mm   |

## Pin Assignment

| Pin  | Symbol      | Function                         |
|------|-------------|----------------------------------|
| 1    | Vss         | Ground                           |
| 2    | Vdd         | Power supply for logic           |
| 3    | CS          | Chip select input                |
| 4    | RES         | Reset signal                     |
| 5    | D/C         | Data/Command select              |
| 6    | WR          | Write signal                     |
| 7    | RD          | Read signal                      |
| 8~15 | DB0~DB7     | Data bus                         |
| 16   | DISPOFF/Vcc | Display OFF/power supply for LCD |

## Electronic Characteristics

| Item           | Symbol | Condition            | Typical Value | Unit |
|----------------|--------|----------------------|---------------|------|
| Input Voltage  | Vdd    | Vdd = +3.3V          | 3.3           | V    |
| Supply Current | Idd    | Vdd = +3.3V          | 165           | mA   |
| Life Time      |        | 80 cd/m <sup>2</sup> | 13,700        | hrs  |

## Dimension

