

BL12896A

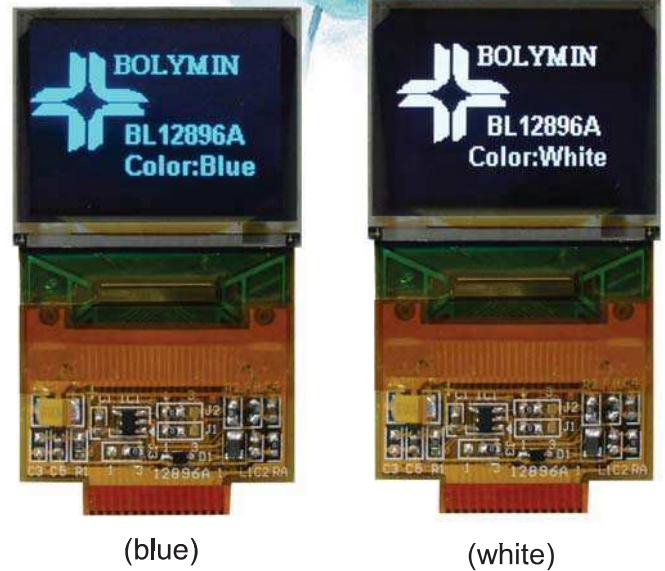


Feature

1. OLED Display 128 x 96 dots
2. Built-in controller SSD1329
3. +3.3V single power supply, with Built-in positive voltage
4. 1/96 duty cycle
5. Color: white or blue
6. Option: external positive voltage for LCD
7. Option: SPI interface
8. 16 Gray Scale

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 33.0 x 26.8 | mm |
| Active Area | 26.86 x 20.14 | mm |
| Dot Size | 0.19 x 0.19 | mm |
| Dot Pitch | 0.21 x 0.21 | mm |



(blue)

(white)

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 | 155 | mA |
| Life Time(blue) | | 60 cd/m ² | 8,600 | hrs |
| Life Time(white) | | 100 cd/m ² | 13,000 | hrs |

Dimension

