

BC2002D



Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller ST7066 or equivalent
4. + 5V single power supply
5. 1/16 duty cycle
6. LED B/L pins: 15/16, or A/K, or 1/2
7. Option: LED array/edge B/L, EL/BL
8. Option: +3V single power supply
9. Option: Negative Voltage

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 80.0 x 36.0 | mm |
| Viewing Area | 66.0 x 16.0 | mm |
| Dot Size | 0.48 x 0.66 | mm |
| Character Size | 2.56 x 5.56 | mm |



Pin Assignment

| Pin | Symbol | Function |
|------|--------|---|
| 1 | Vss | GND |
| 2 | Vdd | +5V (+3V option) |
| 3 | Vo | Contrast adjustment |
| 4 | RS | H/L register select signal |
| 5 | R/W | H/L read/write signal |
| 6 | E | H --> L enable signal |
| 7~14 | DB0~7 | H/L data bus line |
| 15 | A/Vee | Power Supply for B/L(+)/ Negative voltage output |
| 16 | K | Power supply for B/L (GND) |

Electronic Characteristics

| Item | Symbol | Condition | Value | Unit |
|-----------------------------------|--------|------------------|-------|------|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 1.6 | mA |
| LCD Driving Voltage | Vdd-Vo | 25°C | 5 | V |
| LED Forward Voltage(yellow-green) | Vf | 25°C | 4.2 | V |
| Array LED Forward Current | If | 25°C | 100 | mA |
| Edge LED Forward Current | If | 25°C | 20 | mA |
| EL Power Voltage | Vel | Vel=110Vac/400Hz | | V |

Dimension

