

BC1602H



Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller KS0066 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 B/L
8. Option: +3V single power supply
9. Option: negative voltage (built-in, external)
10. **Option: LCD Vop fix on 5V (-20°C~+70°C)**

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 84.0 x 44.0 | mm |
| Viewing Area | 66.0 x 16.0 | mm |
| Dot Size | 0.56 x 0.66 | mm |
| Character Size | 2.96 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 | Power supply for B/L (+)/ |
| 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 | 1.2 | mA |
| LCD Driving Voltage | Vdd-Vo | | TYP | Option |
| | | 70°C | 3.6 | 5.0 |
| | | 25°C | 4.0 | 5.0 |
| | | -20°C | 5.0 | 5.0 |
| LED Forward Voltage | 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

