



BC1602B₂

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:A/K, or 1/2, F=RGB , K=edge LED/Green pure
7. Option: LED, EL B/L, A=Arabic/English
8. Option: +3V single power supply
9. **Option: LCD Vop fix on 5V (-20°C~+70°C)**
10. Option: Negative Voltage



Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 85.0 x 30 | mm |
| Viewing Area | 66.0 x 16.0 | mm |
| Dot Size | 0.55 x 0.65 | mm |
| Character Size | 2.95 x 5.55 | mm |

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 | V | |
| | | 70°C | 3.6 | | Option 5.0 |
| | | 25°C | 4.0 | | 5.0 |
| | | -20°C | 5.0 | 5.0 | |
| LED Forward Voltage _(yellow-green) | Vf | 25°C | 4.2 | V | |
| Array LED Forward Current | If | 25°C | 100 | mA | |
| EL Power Voltage | Vel | Vel=110Vac/400Hz | | V | |

Pin Assignment

| Pin | Symbol | Function |
|------|--------|----------------------------|
| 1 | Vdd | +5V (+3V option) |
| 2 | Vss | GND |
| 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 |

Dimension

