



BG240128E1



Feature

1. SMT PCB with metal frame
2. No built-in controller
3. 1/128 duty cycle
4. +5V power supply
5. Option: negative voltage
6. Option: temperature compensation
7. Option: LED array/edge B/L, EL B/L, CCFL



Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 144.0 x 104.0 | mm |
| Viewing Area | 114.0 x 64.0 | mm |
| Dot Size | 0.43 x 0.43 | mm |
| Dot Pitch | 0.45 x 0.45 | mm |

Pin Assignment

| Pin | Symbol | Function |
|------|---------|---------------------------------|
| 1 | FLM | First Line Marker |
| 2 | CP | Data Shift Clock |
| 3 | LP | Data Latch Clock |
| 4 | M | AC signal for LCD driver output |
| 5 | Vdd | Power supply (GND) |
| 6 | Vss | Power supply (GND) |
| 7 | Vee | Negative voltage output |
| 8~11 | DB0~DB3 | Data bus line |
| 12 | Vo | Contrast adjustment |
| 13 | NC | No connection |
| 14 | A | Backlight power supply(+) |
| 15 | K | Backlight power supply(GND) |

Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|---------------------|--------|-----------|---------------|------|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 6.0 | mA |
| LCD Driving Voltage | Vdd-Vo | 25°C | 18.5 | V |
| LED Forward Voltage | Vf | 25°C | 4.2 | V |
| LED Forward Current | If | 25°C | 900 | mA |

Dimension

