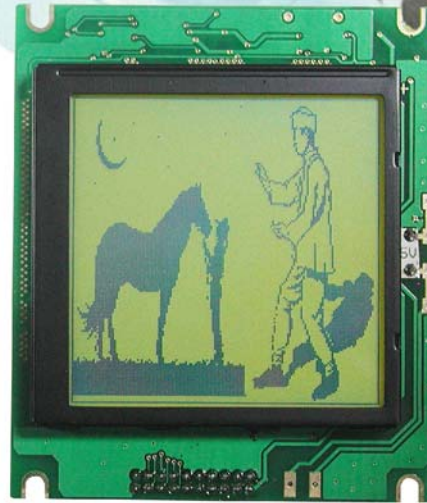


BG160160B



Feature

1. SMT PCB with metal frame
2. Built-in controller LC7981
3. 1/160 duty cycle
4. +5V single power supply
5. Option: LED, EL B/L
6. Option: negative voltage

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 85.0 x 100.0 | mm |
| Viewing Area | 62.0 x 62.0 | mm |
| Dot Size | 0.34 x 0.34 | mm |
| Dot Pitch | 0.38 x 0.38 | mm |

Pin Assignment

| Pin | Symbol | Function |
|-------|--------|----------------------------|
| 1 | FGND | Frame ground |
| 2 | Vss | Power supply(GND) |
| 3 | Vdd | Power supply (+5V) |
| 4 | Vo | Contrast adjustment |
| 5 | R/W | Data read/write |
| 6 | E | Enable signal |
| 7 | /CS | Chip select |
| 8 | RS | Data instruction select |
| 9 | NC | No connection |
| 10 | /RST | Reset signal |
| 11~18 | DB0-7 | Data bus line |
| 19 | NC | No connection |
| 20 | NC/Vee | NC/negative voltage output |

Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|---------------------|--------|-----------|---------------|------|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 1.5 | mA |
| LCD Driving Voltage | Vdd-Vo | 25°C | 17.0 | V |
| LED Forward Voltage | Vf | 25°C | 4.2 | V |
| LED Forward Current | If | 25°C | 500 | mA |

Dimension

