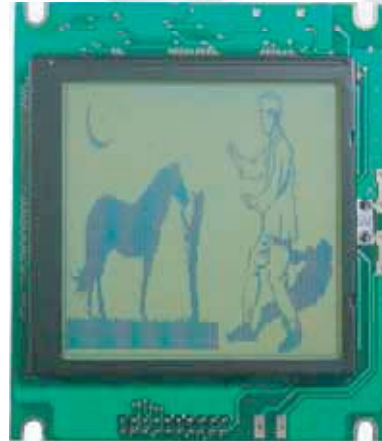


BG128128B



Feature

1. SMT PCB with metal frame
2. Built-in controller T6963C
3. +5V single power supply
4. 1/128 duty cycle
5. Option: LED,EL back light
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 | 0.4 x 0.4 | mm |
| Dot Pitch | 0.43 x 0.43 | mm |

Pin Assignment

| Pin | Symbol | Function |
|-------|--------|-------------------------------|
| 1 | FGND | Frame ground |
| 2 | Vss | Logic power supply(GND) |
| 3 | Vdd | Logic power supply (+5V) |
| 4 | Vo | Contrast Adjustment |
| 5 | /WR | Data write |
| 6 | /RD | Data read |
| 7 | /CE | Chip enable |
| 8 | C/D | Command/Data read/write |
| 9 | NC | |
| 10 | /RST | Reset LCD module signal |
| 11~18 | DB0~7 | Data bus line |
| 19 | FS | Font Selection |
| 20 | Vee/NC | Negative voltage output(-16V) |
| 21 | A | Power supply for B/L + |
| 22 | K | Power supply for B/L - |

Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|-----------------------|--------|-----------|----------------|------|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 45 | mA |
| LCD Driving Voltage | Vdd-Vo | 25°C | 17.3 | V |
| LED Forward Voltage | Vf | 25°C | 4.2 | V |
| LED Forward Current | If | 25°C | 500 | mA |
| EL Power Supply volt. | VEL | 25°C | 110V/ 400Hz | VAC |

Dimension

