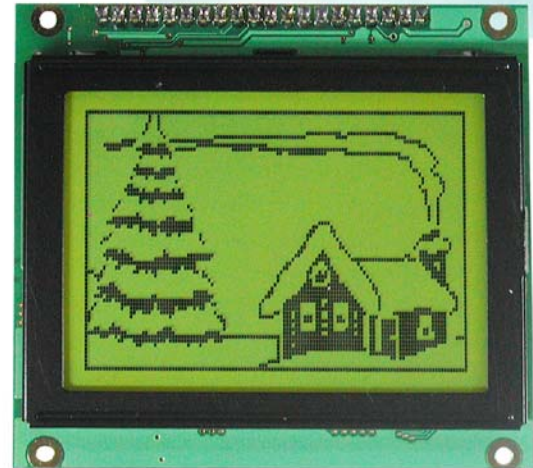


BG12864D



Feature

1. SMT with metal frame
2. Built-in controller T6963C
3. +5V single power supply, with built-in negative voltage
4. 1/64 duty cycle
5. Option: Temperature compensation
6. Option: LED array/edge B/L, EL B/L



Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 78.0 x 70.0 | mm |
| Viewing Area | 62.0 x 44.0 | mm |
| Dot Size | 0.40 x 0.56 | mm |
| Dot Pitch | 0.44 x 0.60 | mm |

Pin Assignment

| Pin | Symbol | Function |
|-------|--------|--|
| 1 | FG/Vee | Frame ground / Negative voltage output |
| 2 | Vss | Power supply(GND) |
| 3 | Vdd | Power supply(+5V) |
| 4 | Vo | Contrast Adjustment |
| 5 | /WR | Data write |
| 6 | /RD | Data read |
| 7 | /CE | Chip enable |
| 8 | C/D | Command/data |
| 9 | /RST | Controller reset |
| 10~17 | DB0~7 | Data bus line |
| 18 | FS | Font select(H: 6x8, L:8x8) |
| 19 | K | Power supply for B/L (GND) |
| 20 | A | 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 | 9.7 | mA |
| LCD Driving Voltage | Vdd-Vo | 25°C | 9 | V |
| LED Forward Voltage | Vf | 25°C | 4.2 | V |
| LED Forward Current | If | 25°C | 360 | mA |
| EL Power Supply Current | Vel | Vel=110 Vac/400Hz | 5.0 | mA |

Dimension

