

# BG24064A



## Feature

1. SMT PCB with metal frame
2. Built in controller T6963C
3. +5V power supply
4. 1/64 duty
5. LED B/L pins: A / K
6. Option: temperature compensation
7. Option: LED, EL B/L, CCFL
8. Option: negative voltage(built-in, external)
9. Option: Touch Panel

## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 180.0 x 65.0   | mm   |
| Viewing Area     | 133.0 x 39.0   | mm   |
| Dot Size         | 0.49 x 0.49    | mm   |
| Dot Pitch        | 0.53 x 0.53    | mm   |



## Pin Assignment

| Pin   | Symbol | Function                         |
|-------|--------|----------------------------------|
| 1     | FG     | Frame ground                     |
| 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     | Vee    | Negative Voltage output (-13.6V) |
| 10    | /RST   | Reset signal                     |
| 11~18 | DB0~7  | Data bus line                    |
| 19    | FS     | Font select(H:6x8 L:8x8)         |
| 20    | NC     | No connection                    |

## Electronic Characteristics

| Item                | Symbol | Condition | Typical Value | Unit |
|---------------------|--------|-----------|---------------|------|
| Input Voltage       | Vdd    | Vdd = +5V | 5.0           | V    |
| Supply Current      | Idd    | Vdd = +5V | 40            | mA   |
| LCD Driving Voltage | Vdd-Vo | 25°C      | 12.5          | V    |
| LED Forward Voltage | Vf     | 25°C      | 4.2           | V    |
| LED Forward Current | If     | 25°C      | 450           | mA   |

## Dimension

