

# BG9832B

## Feature

1. COB with metal frame
2. No built-in oscillation, requiring external clock
3. Built-in controller SED1520Daa
4. 1/32 duty cycle
5. +5V single power supply
6. Option: +3V single power supply
7. Option: LED, EL B/L



## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 52.0 x 44.0    | mm   |
| Viewing Area     | 46.0 x 18.5    | mm   |
| Dot Size         | 0.4 x 0.45     | mm   |
| Dot Pitch        | 0.44 x 0.49    | mm   |

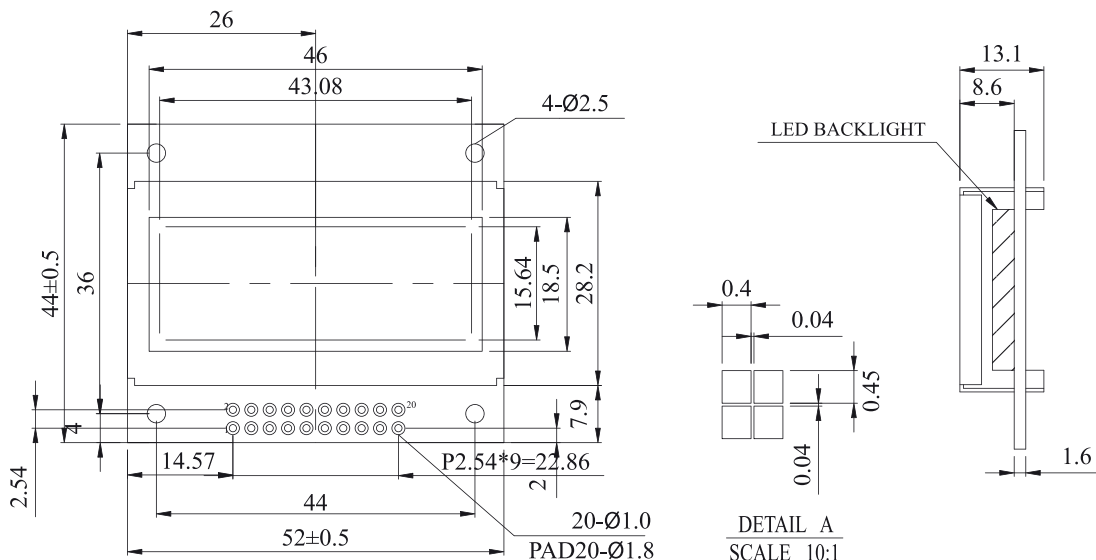
## Pin Assignment

| Pin   | Symbol | Function                            |
|-------|--------|-------------------------------------|
| 1     | Vss    | GND                                 |
| 2     | Vdd    | + 5V(+3V option)                    |
| 3     | Vo     | Contrast adjustment                 |
| 4     | Ao     | H --> Data L --> Instruction        |
| 5     | /CS1   | L --> Chip1 enable                  |
| 6     | /CS2   | L --> Chip 2 enable                 |
| 7     | CL     | External clock 2KHZ                 |
| 8     | RD/E   | RD for 80 serial; /E for 68 serial  |
| 9     | WR,R/W | WR for 80 serial; R/W for 68 serial |
| 10~17 | DB0~7  | Data bus line                       |
| 18    | RES    | L: 80 series, H: 68 series          |
| 19    | A      | Power supply for B/L (+)            |
| 20    | K      | Power supply for B/L (GND)          |

## Electronic Characteristics

| Item                        | Symbol | Condition        | Typical Value | Unit |
|-----------------------------|--------|------------------|---------------|------|
| Input Voltage               | Vdd    | Vdd = +5V        | 5.0           | V    |
| Supply Current              | Idd    | Vdd = +5V        | 1.0           | mA   |
| LCD Driving Voltage         | Vdd-Vo | 25°C             | 6.5           | V    |
| LED Forward Voltage (White) | Vf     | 25°C             | 3.5           | V    |
| LED Forward Current         | If     | 25°C             | 40            | mA   |
| EL Power Voltage            | Vel    | Vel=110Vac/400Hz |               | V    |

## Dimension



BG-52