

# BG12232C



## Feature

1. COB with metal frame
2. No built-in oscillation
3. Built-in controller SED1520Doa(+3V~+5V)
4. 1/32 duty cycle
5. + 5V single power supply
7. Option: LED edge B/L

## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 65.4 x 28.2    | mm   |
| Viewing Area     | 54.8 x 19.0    | mm   |
| Dot Size         | 0.36 x 0.40    | mm   |
| Dot Pitch        | 0.4 x 0.45     | mm   |



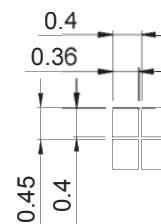
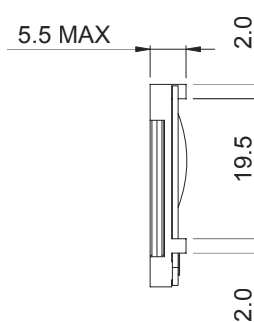
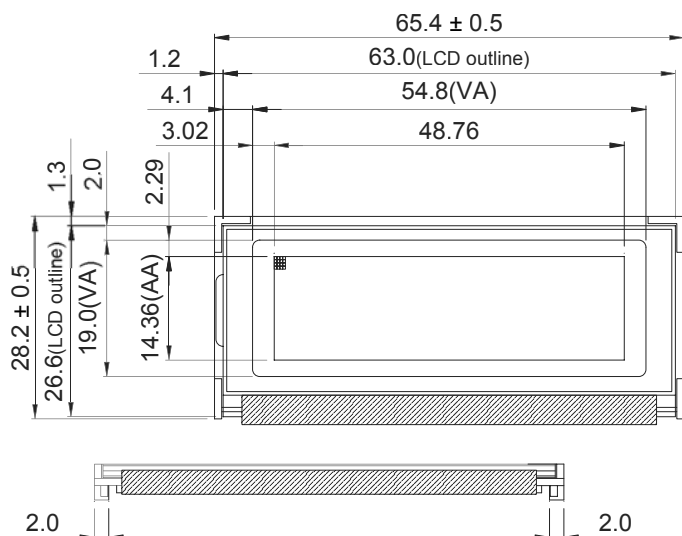
## Pin Assignment

| Pin  | Symbol  | Function                   |
|------|---------|----------------------------|
| 1    | Vdd     | Power supply +3V~+5V       |
| 2    | Vss     | GND                        |
| 3    | Vo      | Contrast adjustment        |
| 4    | /RES    | L:Reset                    |
| 5    | E1      | Data latch for chip 1      |
| 6    | E2      | Data latch for chip2       |
| 7    | R/W     | R/W signal                 |
| 8    | Ao      | H-->Data L-->Instruction   |
| 9~16 | DB0 ~ 7 | Data bus line              |
| 17   | A       | Power supply B/L (+)       |
| 18   | 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      | 4.5           | V    |
| LED Forward Voltage | Vf     | 25°C      | 4.2           | V    |
| LED Forward Current | If     | 25°C      | 120           | mA   |

## Dimension



DOT SIZE  
SCALE 10/1

LED B/L or  
NO B/L (WITH HOUSING)