

# BC0802B



## Feature

1. COB with metal frame
2. 5x7 dots with cursor
3. Built-in controller ST7066 or equivalent
4. +5V single power supply
5. 1/16 duty cycle
6. LED B/L pins: 1/2
7. Option: array LED B/L
8. No Negative Voltage Option

## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 40.0 x 20.0    | mm   |
| View Area        | 36.3 x 13.9    | mm   |
| Dot Size         | 0.60 x 0.60    | mm   |
| Dot Pitch        | 3.12 x 5.01    | mm   |



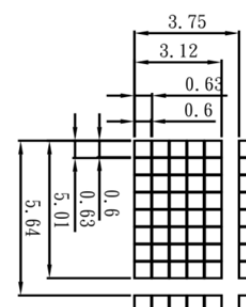
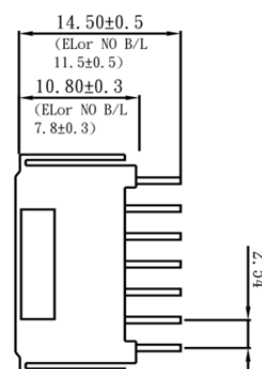
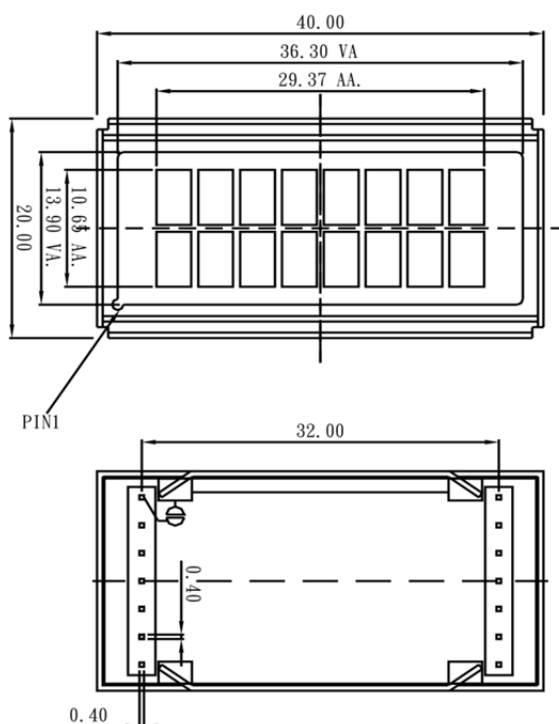
## Pin Assignment

| Pin  | Symbol | Function                   |
|------|--------|----------------------------|
| 1    | Vss    | Ground                     |
| 2    | Vdd    | + 5V                       |
| 3    | Vo     | Contrast adjustment        |
| 4    | RS     | H/L register select signal |
| 5    | R/W    | H/L read/write signal      |
| 6    | E      | H--> L enable signal       |
| 7~14 | DB0~7  | H/L data bus line          |

## Electronic Characteristics

| Item                     | Symbol | Condition | Typical Value | Unit |
|--------------------------|--------|-----------|---------------|------|
| Input Voltage            | VDD    | VDD=+5V   | 5.0           | V    |
| Supply Current           | IDD    | VDD=+5V   | 1.5           | mA   |
| LCD Driving Voltage      | Vdd-Vo | 25°C      | 4.4           | V    |
| LED Forward Voltage(Y-G) | VF     | 25°C      | 4.0           | V    |
| LED Forward Current      | IF     | 25°C      | 100           | mA   |

## Dimension



DETAIL DOTS  
SCALE 5:1

