BOLYMIN

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# BG320240B1

## Feature

1. SMT PCB with metal frame
2. Built-in controller RA8835
3. +5V power supply
4. 1/240 duty cycle
5. Option: LED edge/white B/L, CCFL
6. Option: negative voltage (built-in, external)
7. Option: touch panel
8. Option: 80 Series MPU interfance
9. Option: +3V signal power supply

## Mechanical Data

| Item | Standard Value | Unit |
|---|---|---|
| Module Dimension | 139.98 x 120.24 | mm |
| Viewing Area | 120.14 x 92.14 | mm |
| Dot Size | 0.34 x 0.34 | mm |
| Dot Pitch | 0.36 x 0.36 | mm |

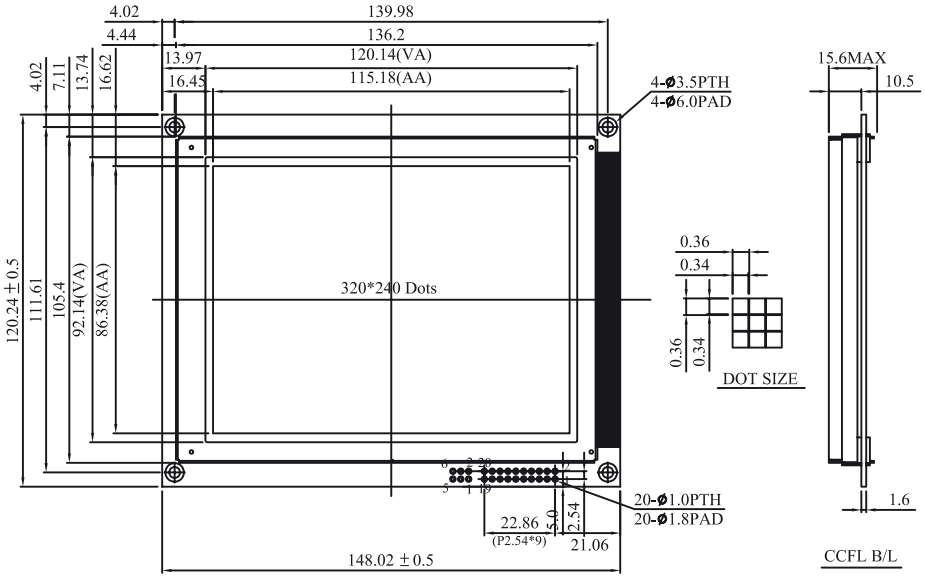
## Pin Assignment

| Pin | Symbol | Function |
|---|---|---|
| 1 | Vss | Power supply (GND) |
| 2 | Vdd | +5V(+3V option) |
| 3 | Vo | Contrast Adjustment |
| 4 | E | Enable signal |
| 5 | R/W | Read /write signal |
| 6 | Ao | Data / instruction |
| 7~14 | DB0-7 | Data bus line |
| 15 | /CS | Chip select |
| 16 | /RST | Reset signal |
| 17 | Vee | Negative voltage output -25V |
| 18 | FGND | Frame Ground |
| 19 | NC | No connection |
| 20 | /DISP OFF | Display off |

## Electronic Characteristics

| Item | Symbol | Condition | Typical Value | Unit |
|---|---|---|---|---|
| Input Voltage | Vdd | Vdd = +5V | 5.0 | V |
| Supply Current | Idd | Vdd = +5V | 100 | mA |
| LCD Driving Voltage | Vdd-Vo | 25°C | 23.8 | V |
| LED Forward Voltage (White) | Vf | 25°C | 3.5 | V |
| LED Forward Current | If | 25°C | 160 | mA |

## Dimension

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