

mLCM

BC2402AI



## Feature

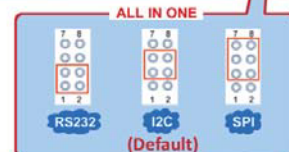
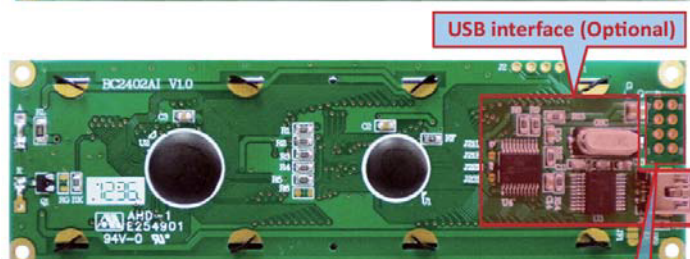
1. Multi-interface : I2C/SPI/RS232(TTL)/(USB optional)
2. COB with metal frame
3. 5x7 dots with cursor
4. Built-in controller ST7066 or equivalent
5. 1/16 duty cycle
6. Backlight : LED EDGE/ARRAY
7. 5V single power supply
8. Contrast/Backlight adjustment by program

## Mechanical Data

| Item             | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 118.0 x 36.0   | mm   |
| Viewing Area     | 94.5 x 16.0    | mm   |
| Dot Size         | 0.60 x 0.65    | mm   |
| Character Size   | 3.7 x 5.95     | mm   |

## Pin Assignment

| Pin | Symbol | Function                                                                  |
|-----|--------|---------------------------------------------------------------------------|
| 1   | TX     | RS-232(TTL) level output port                                             |
| 2   | RX     | RS-232(TTL) level input port                                              |
| 3   | VSS    | Ground.                                                                   |
| 4   | VDD    | System power supply input.                                                |
| 5   | SDA    | I2C: Data Input/output for the I <sup>2</sup> C<br>SPI: Serial data Input |
| 6   | SCL    | I2C: Clock Input for the I <sup>2</sup> C<br>SPI: Serial clock Input      |
| 7   | SDO    | SPI: Serial data Output                                                   |
| 8   | /CS    | SPI: Chip select                                                          |



Special code:

20k=RS232 interface, u=USB interface, 20i=SPI interface

## Electronic Characteristics

| Item                          | Symbol | Condition | Value     | Unit |
|-------------------------------|--------|-----------|-----------|------|
| Input Voltage                 | Vdd    | Vdd = +5V | 5.0(Typ.) | V    |
| Supply Current with Backlight | Idd    | Vdd = +5V | 210(Max.) | mA   |

## Dimension

