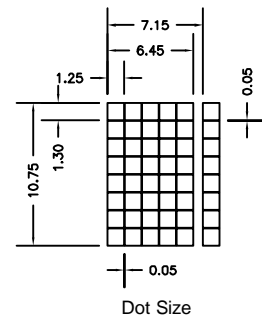
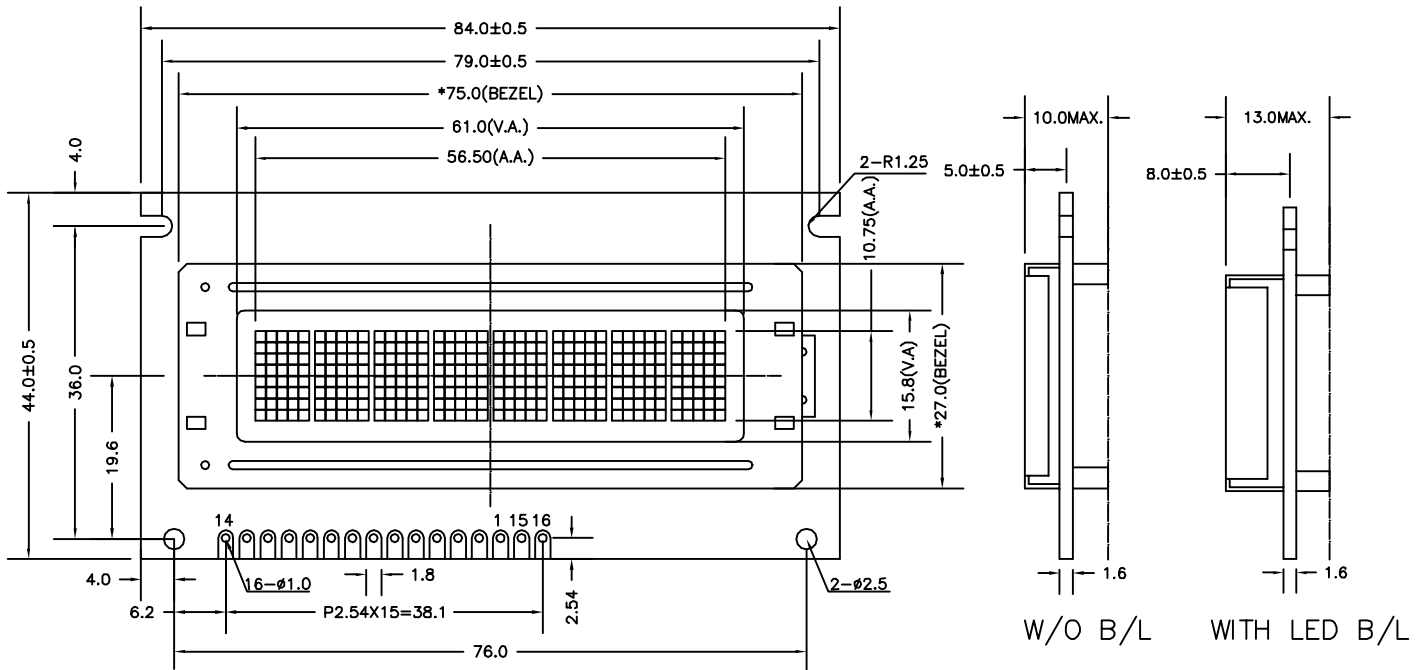


PC-080101 Series

OUTLINE DIMENSION



| MECHANICAL DIMENSION | |
|------------------------|-------------------------|
| Overall Dimension (mm) | 84.0 X 44.0 X 10.0/13.0 |
| Viewing Area (mm) | 61.0 X 15.8 |
| Format | 1 line X 8 Characters |
| Dot Size (mm) | 1.25 X 1.30 |
| Dot Pitch (mm) | 1.30 X 1.35 |

| ABSOLUTE MAXIMUM RATINGS | | | | |
|--------------------------|----------------------------------|------------------------|-----------------------|------|
| Parameter | Symbol | MIN | MAX | Unit |
| Supply Voltage for Logic | V _{dd} -V _{ss} | -0.3 | +7.0 | V |
| Supply Voltage for LCD | V _{lcd} | V _{dd} - 12.0 | V _{dd} + 0.3 | V |
| Input Voltage | V _{in} | -0.3 | V _{dd} +0.3 | V |

| ELECTRICAL CHARACTERISTICS (VDD=5.0V ; Top=25° C) | | | | | |
|---|----------------------------------|-----|---------|-----|------|
| Parameter | Symbol | MIN | Typical | MAX | Unit |
| Power Supply Voltage | V _{dd} -V _{ss} | | 5.0 | | V |
| LCD Operating Voltage | V _{op} | | 4.8 | | V |
| LCM Current Consumption | I _{dd} | | | | mA |
| Backlight Current Consumption | LED (Edge) | | | | mA |
| | LED (Array) | | | | mA |
| Driving Method | 1/8 Duty 1/4 Bias | | | | |

| PIN ASSIGNMENT | | |
|----------------|--------|------------------------------|
| Pin No. | Symbol | Function |
| 1 | VSS | Power Supply (GND) |
| 2 | VDD | Power Supply (+) |
| 3 | V0 | Contrast Adjust |
| 4 | RS | Register select signal |
| 5 | R/W | Data Read / write |
| 6 | E | Enable Signal |
| 7 | DB0 | Data Bus Line |
| 8 | DB1 | Data Bus Line |
| 9 | DB2 | Data Bus Line |
| 10 | DB3 | Data Bus Line |
| 11 | DB4 | Data Bus Line |
| 12 | DB5 | Data Bus Line |
| 13 | DB6 | Data Bus Line |
| 14 | DB7 | Data Bus Line |
| 15 | LEDK | Power Supply for LED B/L (-) |
| 16 | LEDA | Power Supply for LED B/L (+) |

NOTES

IC Controller / Driver: SPLC780D Or Equivalent
LCD Options: Y/G STN, Blue STN
Backlight Options: None, Yellow-Green LED ,White LED
Viewing Angle : 6:00
Operating Temperature Options: 0° C - +50° C, -20° C - +70° C
Storage Temperature Options: -20° C - +70° C, -30° C - +80° C