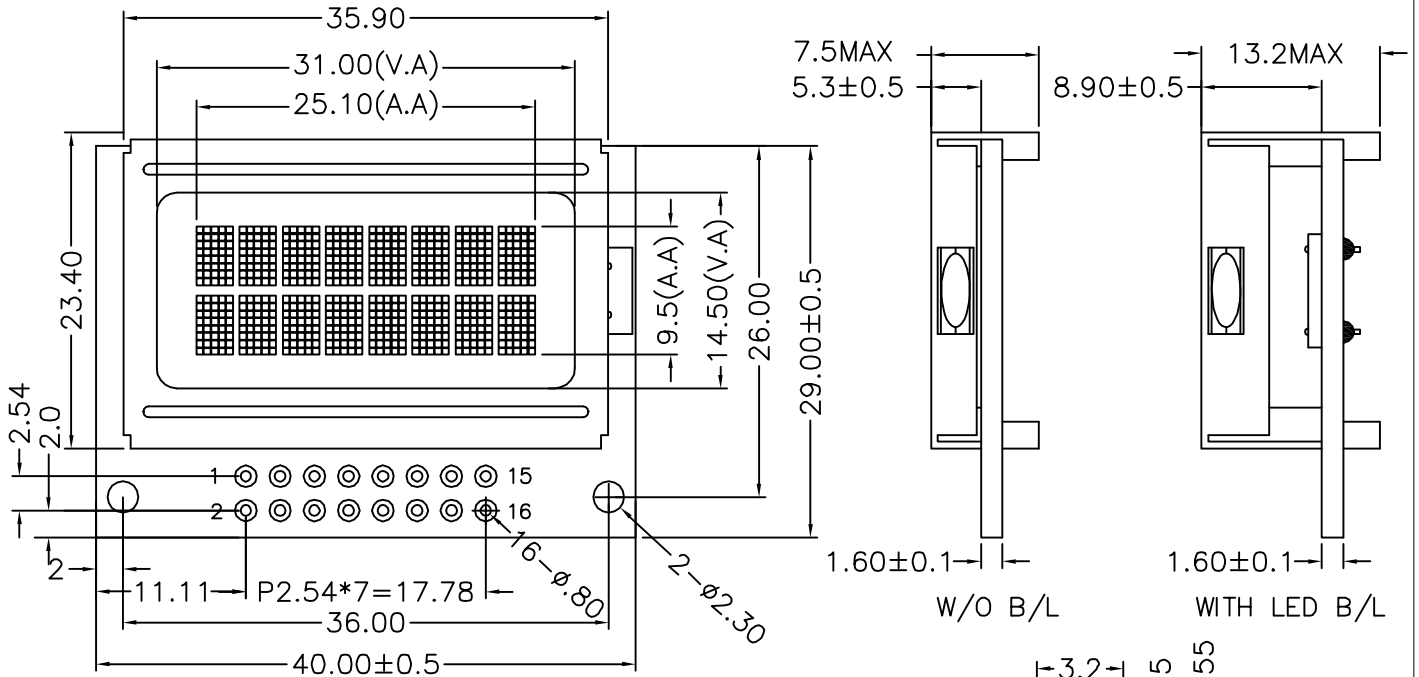


# PC-080203 Series

## OUTLINE DIMENSION



### MECHANICAL DIMENSION

Overall Dimension (mm)	40.0 X 29.0 X 7.5/12.5/13.2
Viewing Area (mm)	31.0 X 14.5
Format	2 lines X 8 Characters
Dot Size (mm)	0.50 X 0.50
Dot Pitch (mm)	0.55 X 0.55

### ABSOLUTE MAXIMUM RATINGS

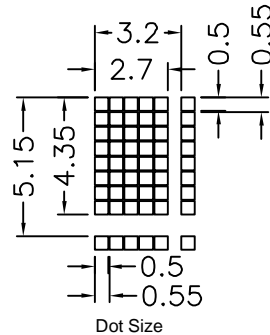
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	V <sub>dd</sub> -V <sub>ss</sub>	-0.3	+7.0	V
Supply Voltage for LCD	V <sub>lcd</sub>	V <sub>dd</sub> - 12.0	V <sub>dd</sub> + 0.3	V
Input Voltage	V <sub>in</sub>	-0.3	V <sub>dd</sub> + 0.3	V

### ELECTRICAL CHARACTERISTICS (V<sub>DD</sub>=5.0V ; T<sub>op</sub>=25° C)

Parameter	Symbol	MIN	Typical	MAX	Unit
Power Supply Voltage	V <sub>dd</sub> -V <sub>ss</sub>		5.0		V
LCD Operating Voltage	V <sub>op</sub>		4.5		V
LCM Current Consumption	I <sub>dd</sub>				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method		1/16 Duty 1/5 Bias			

### NOTES

**IC Controller / Driver:** SPLC780D Or Equivalent  
**LCD Options:** Y/G STN, Gray STN, Gray FSTN  
**Backlight Options:** None, Yellow-Green LED, RED 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



### PIN ASSIGNMENT

Pin No.	Symbol	Function
1	R/W	Data Read / write
2	E	Enable Signal
3	RS	Register select signal
4	V <sub>0</sub>	Contrast Adjust
5	V <sub>DD</sub>	Power Supply (+)
6	V <sub>SS</sub>	Power Supply (GND)
7	LEDA	Power Supply for LED B/L (+)
8	LEDK	Power Supply for LED B/L (-)
9	DB0	Data Bus Line
10	DB7	Data Bus Line
11	DB1	Data Bus Line
12	DB6	Data Bus Line
13	DB2	Data Bus Line
14	DB5	Data Bus Line
15	DB3	Data Bus Line
16	DB4	Data Bus Line