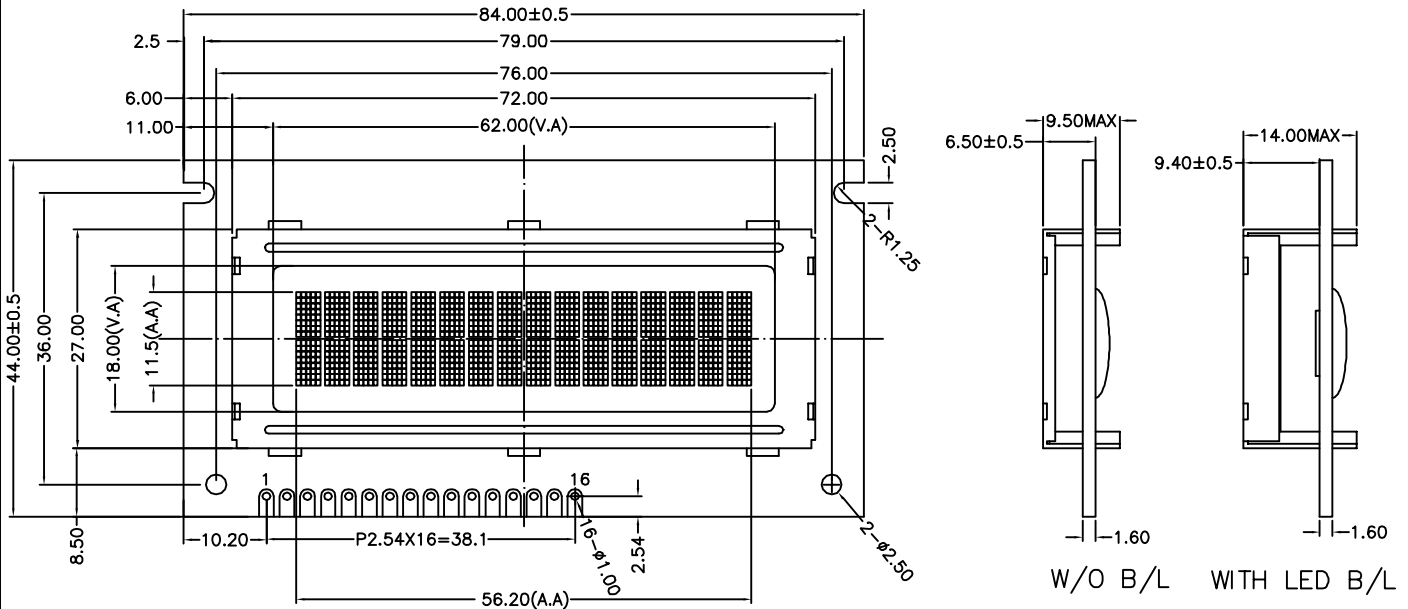


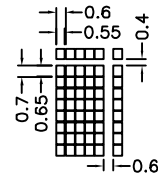
# PC-160214 Series

## OUTLINE DIMENSION



### MECHANICAL DIMENSION

Overall Dimension (mm)	84.0 X 44.0 X 9.5/14.0
Viewing Area (mm)	62.0 X 18.0
Format	2 lines X 16 Characters
Dot Size (mm)	0.55 X 0.65
Dot Pitch (mm)	0.60 X 0.70



Dot Size

### ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	Vdd-Vss	-0.3	+7.0	V
Supply Voltage for LCD	Vlcd	Vdd - 12.0	Vdd + 0.3	V
Input Voltage	Vin	-0.3	Vdd + 0.3	V

### ELECTRICAL CHARACTERISTICS ( VDD=5.0V ; Top=25° C )

Parameter	Symbol	MIN	Typical	MAX	Unit
Power Supply Voltage	Vdd-Vss		5.0		V
LCD Operating Voltage	Vop		4.8		V
LCM Current Consumption	Idd				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method		1/16 Duty 1/5 Bias			

### PIN ASSIGMENT

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

### NOTES

- IC Controller / Driver: **SPLC780D Or Equivalent**
- LCD Options: **HTN,FSTN,Blue STN,Grey STN,Y/G STN,**
- Backlight Options: **None,White LED,Yellow-Green LED, Green LED,Orange LED**
- Viewing Angle Options : **6:00,12:00**
- Operating Temperature : **-20° C - +70° C**
- Storage Temperature: **-30° C - +80° C**