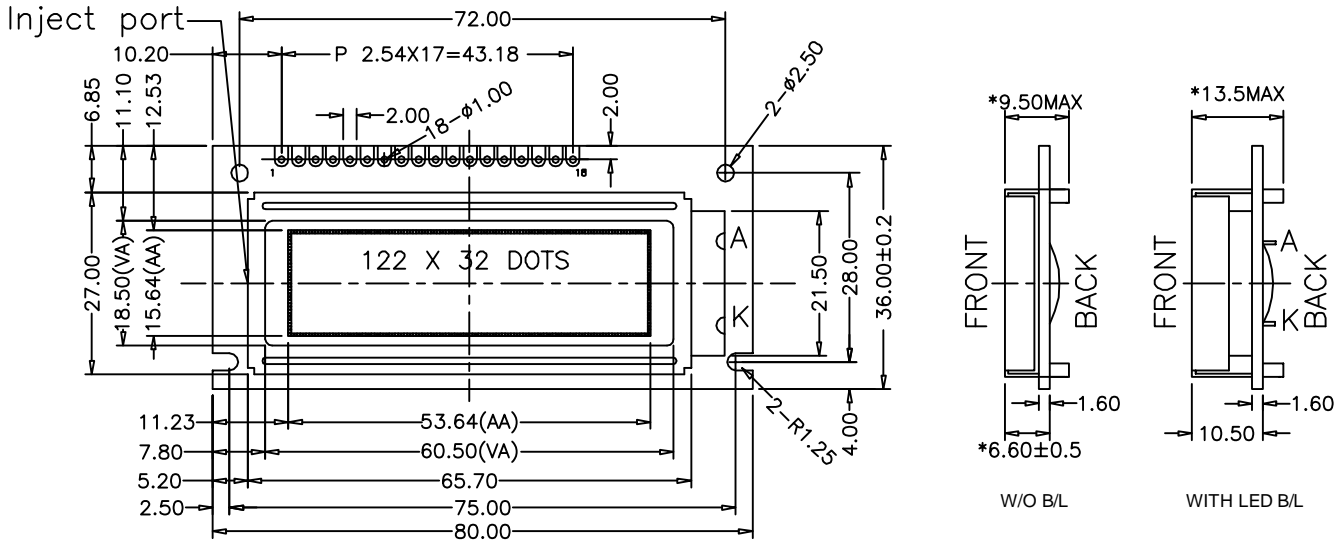
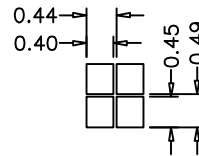


# PG-120318 Series

## OUTLINE DIMENSION



MECHANICAL DIMENSION	
Overall Dimension (mm)	80 X 36 X 9.5/13.5
Viewing Area (mm)	60.5 X 18.5
Format	122 SEG × 32 COM
Dot Size (mm)	0.40 X 0.45
Dot Pitch (mm)	0.44 X 0.49



Dot Size

ABSOLUTE MAXIMUM RATINGS				
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	V <sub>dd-Vss</sub>	-0.3	+8.0	V
Supply Voltage for LCD	V <sub>lcd</sub>	V <sub>dd</sub> - 16.5	V <sub>dd</sub> + 0.3	V
Input Voltage	V <sub>in</sub>	V <sub>dd</sub> - 0.3	V <sub>dd</sub> + 0.3	V

ELECTRICAL CHARACTERISTICS ( VDD=5.0V ; Top=25° C )					
Parameter	Symbol	MIN	Typical	MAX	Unit
Power Supply Voltage	V <sub>dd-Vss</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	1/32 Duty 1/5 Bias				

### NOTES

IC Controller / Driver:  
LCD Options:

PT6520  
Y/G STN, Blue STN, FSTN  
Negative FSTN, Gray STN

Backlight Options:

None, Y/G LED, White LED

Viewing Angle:

6:00

Operating Temperature Options: -15° C - +70° C, -20° C - +70° C

Storage Temperature :

-30° C - +80° C

PIN ASSIGNMENT		
Pin No.	Symbol	Function
1	VSS	Power Supply (GND)
2	VDD	Power Supply (+)
3	V0	Contrast Adjust
4	A0	Register select signal
5	E1	Enable Signal 1
6	E2	Enable Signal 2
7	R/W	Data Read / write
8	DB0	Data Bus Line
9	DB1	Data Bus Line
10	DB2	Data Bus Line
11	DB3	Data Bus Line
12	DB4	Data Bus Line
13	DB5	Data Bus Line
14	DB6	Data Bus Line
15	DB7	Data Bus Line
16	RST	
17	LEDA	Power Supply for LED B/L (-)
18	LEDK	Power Supply for LED B/L (+)