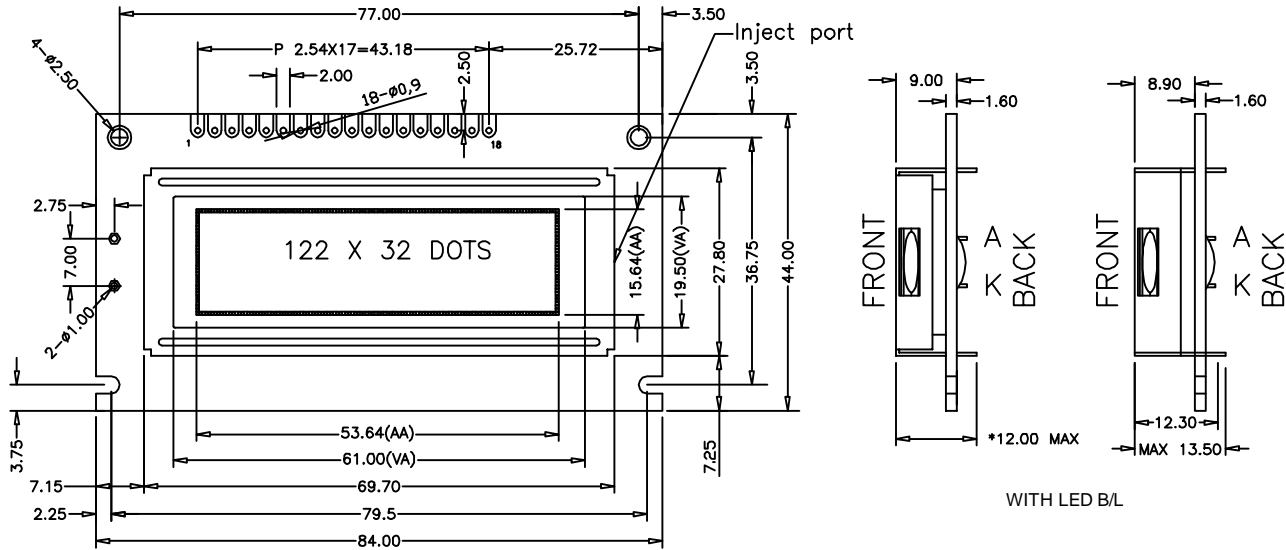


# PG-120319 Series

## OUTLINE DIMENSION



MECHANICAL DIMENSION	
Overall Dimension (mm)	84.0 X 44.0 X 12.0/13.5
Viewing Area (mm)	61.0 X 19.5
Format	122 SEG × 32 COM
Dot Size (mm)	0.40 X 0.45
Dot Pitch (mm)	0.44 X 0.49

ABSOLUTE MAXIMUM RATINGS				
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	Vdd-Vss	-0.3	+8.0	V
Supply Voltage for LCD	Vlcd	Vdd - 16.5	Vdd + 0.3	V
Input Voltage	Vin	Vdd - 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	1/32 Duty 1/5 Bias				

### NOTES

**IC Controller / Driver:** PT6520 or Equivalent  
**LCD Options:** Y/G STN, Gray STN, Blue STN  
**Backlight Options:** None, Y/G LED, White LED  
**Viewing Angle:** 6:00  
**Operating Temperature :** -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	RW	Data Read / write
8	D0	Data Bus Line
9	D1	Data Bus Line
10	D2	Data Bus Line
11	D3	Data Bus Line
12	D4	Data Bus Line
13	D5	Data Bus Line
14	D6	Data Bus Line
15	D7	Data Bus Line
16	RES	
17	LEDA	Power Supply for LED B/L (-)
18	LEDK	Power Supply for LED B/L (+)