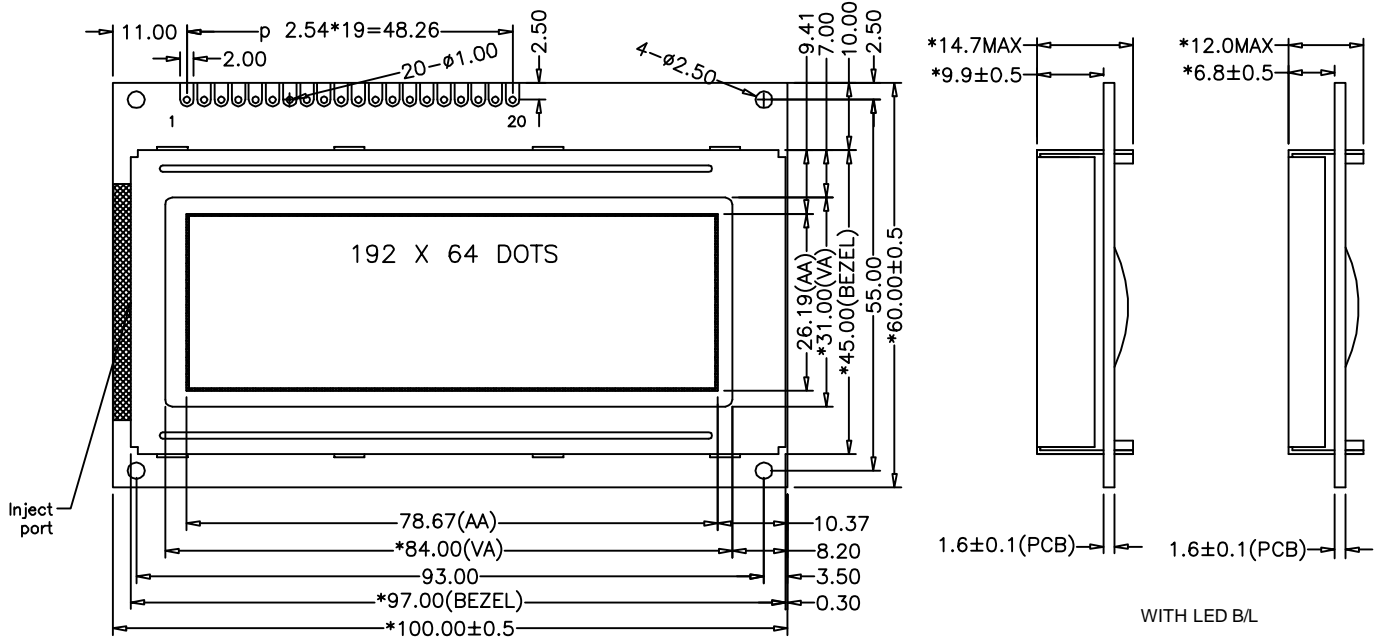
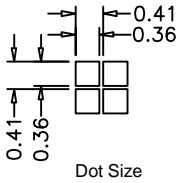


# PG-190606 Series

## OUTLINE DIMENSION



MECHANICAL DIMENSION	
Overall Dimension (mm)	100.0 X 60.0 X 12.0/14.7
Viewing Area (mm)	84.0 X 31.0
Format	192 SEG × 64 COM
Dot Size (mm)	0.36 X 0.36
Dot Pitch (mm)	0.41 X 0.41



ABSOLUTE MAXIMUM RATINGS				
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	Vdd-Vss	-0.3	+7.0	V
Supply Voltage for LCD	Vlcd		+13.0	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		13.0		V
LCM Current Consumption	Idd				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method	1/64 Duty 1/9 Bias				

### NOTES

- IC Controller / Driver: **SBN6400G, SBN0064G**
- LCD Options: **Y/G STN, Blue STN, FSTN**
- Backlight Options: **Y/G LED, White LED**
- Viewing Angle: **6:00**
- Operating Temperature : **-20° C - +70° C**
- Storage Temperature : **-30° C - +80° C**

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	
12	VO	Contrast Adjust
13	VDD	Power Supply (+)
14	VSS	Power Supply (GND)
15	CSB	
16	CSA	
17	VOUT	
18	/RST	
19	LEDA	Power Supply for LED B/L (-)
20	LEDK	Power Supply for LED B/L (+)