POLYTRONIX, INC.

PG-190607 Series

OUTLINE DIMENSION
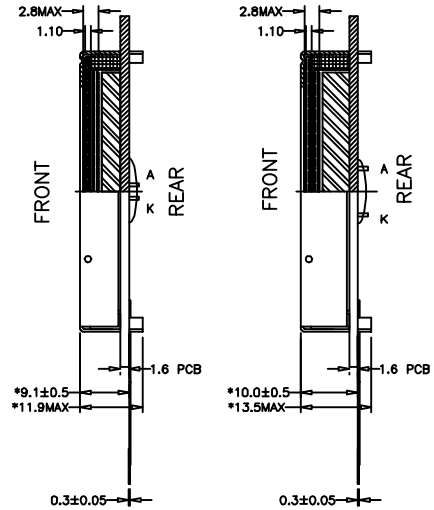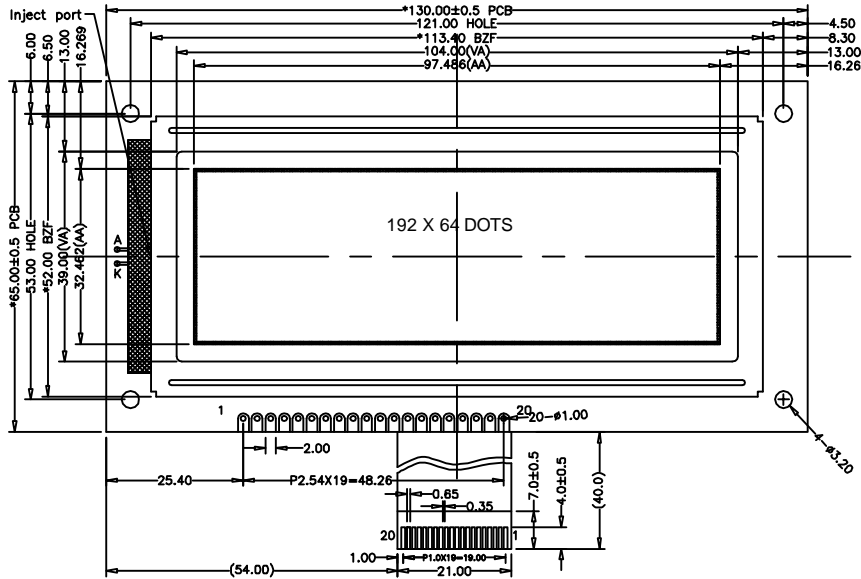
WITH LED B/L

Dot Size

MECHANICAL DIMENSION	
Overall Dimension (mm)	130.0 X 65.0 X 11.9/13.5
Viewing Area (mm)	104.0 X 39.0
Format	192 SEG × 64 COM
Dot Size (mm)	0.458 X 0.458
Dot Pitch (mm)	0.508 X 0.508
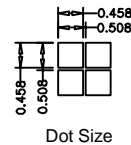
ADSOLUTE MAXIMUM RATINGS				
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	Vdd-Vss	-0.3	+7.0	V
Supply Voltage for LCD	Vlcd		+13.0	V
Input Voltage	Vin	- 0.3	Vdd + 0.3	V

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		9.0		V
LCM Current Comsumption	Idd				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method	1/64 Duty 1/9 Bias				

NOTES

IC Controller / Driver: **SBN0064G,SBN6400G**
LCD Options: **Y/G STN,FSTN,Blue STN**
Backlight Options: **Y/G LED, Blue LED, White LED**
Viewing Angle: **6:00**
Operating Temperature Options: **-10° C~+60° C/-20° C~+70° C**
Storage Temperature Options: **-20° C~+70° C/-30° C~+80° C**

PIN ASSIGMENT		
Pin No.	Symbol	Function
1	LED+	Power Supply for LED B/L (+)
2	VEE	
3	CS3	
4	CS2	
5	REST	
6	CS1	
7	DB7	Data Bus Line
8	DB6	Data Bus Line
9	DB5	Data Bus Line
10	DB4	Data Bus Line
11	DB3	Data Bus Line
12	DB2	Data Bus Line
13	DB1	Data Bus Line
14	DB0	Data Bus Line
15	E	Enable Signal
16	R/W	Data Read / Write
17	RS	
18	VO	Contrast Adjust
19	VDD	Power Supply (+)
20	VSS	Power Supply (GND)