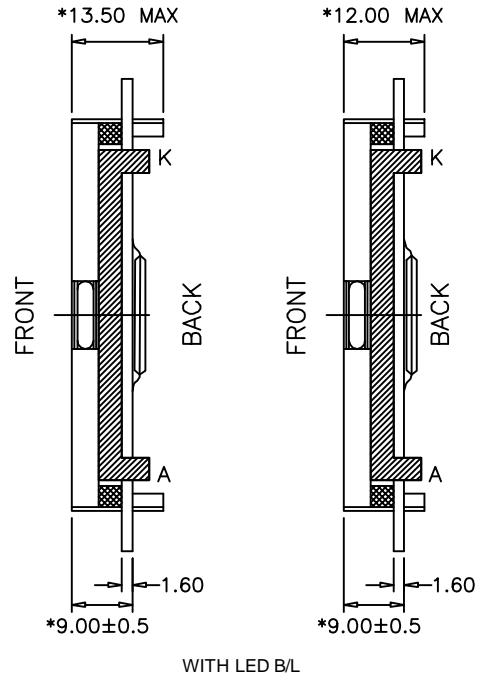
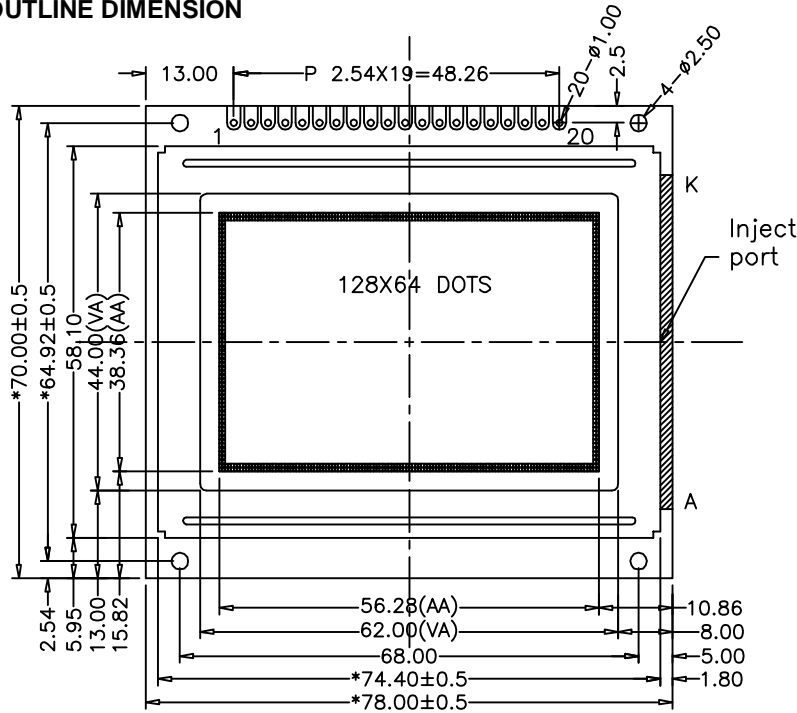
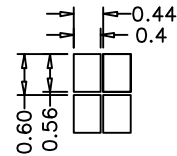


# PG-120640 Series

## OUTLINE DIMENSION



WITH LED B/L



Dot Size

### MECHANICAL DIMENSION

Overall Dimension (mm)	78.0 X 70.0 X 12.0/13.5
Viewing Area (mm)	62.0 X 44.0
Format	128 SEG × 64 COM
Dot Size (mm)	0.40 X 0.56
Dot Pitch (mm)	0.44 X 0.60

### ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	Vdd-Vss	-0.3	+7.0	V
Supply Voltage for LCD	Vlcd			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:** T6963C;SAP1024B  
**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 ASSIGNMENT

Pin No.	Symbol	Function
1	VEE	
2	VSS	Power Supply (GND)
3	VDD	Power Supply (+)
4	V0	Contrast Adjust
5	/WR	
6	/RD	
7	/CE	
8	/CD	
9	/RST	
10	DB0	Data Bus Line
11	DB1	Data Bus Line
12	DB2	Data Bus Line
13	DB3	Data Bus Line
14	DB4	Data Bus Line
15	DB5	Data Bus Line
16	DB6	Data Bus Line
17	DB7	Data Bus Line
18	FS	
19	LEDA	Power Supply for LED B/L (-)
20	LEDK	Power Supply for LED B/L (+)