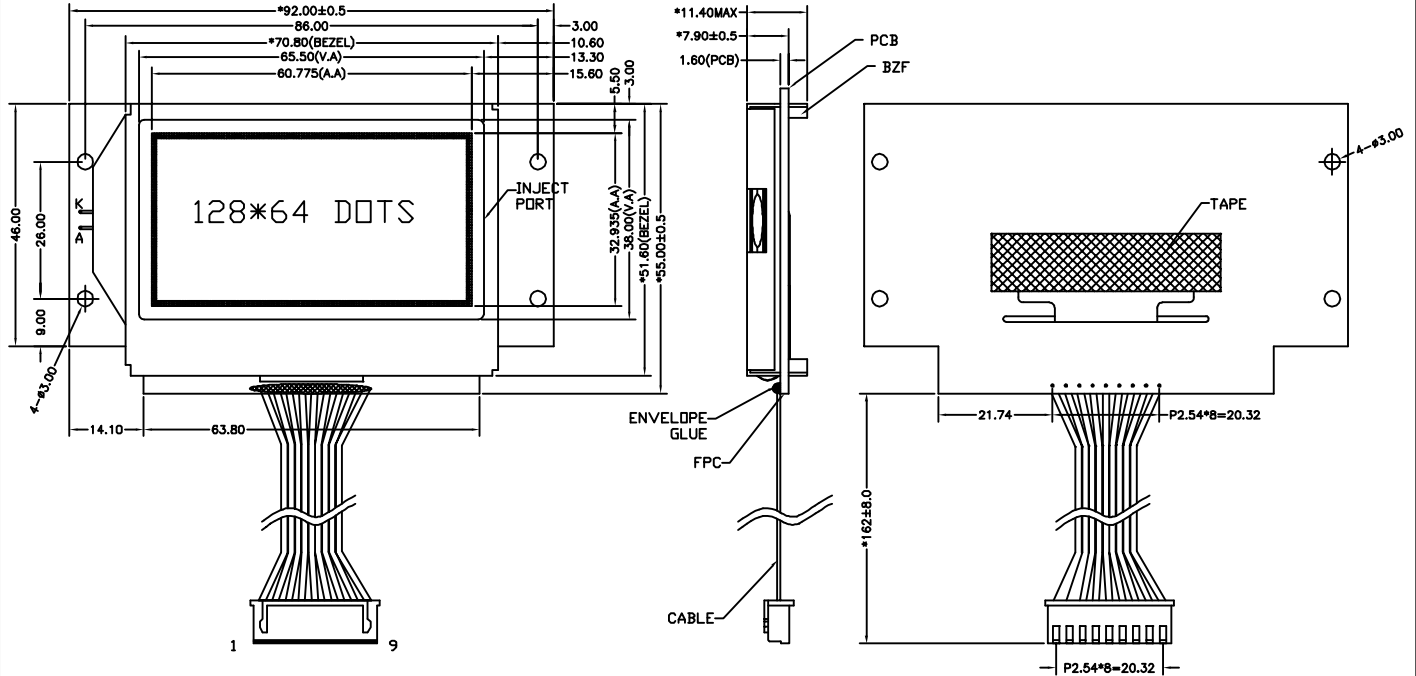


PG-120647 Series

OUTLINE DIMENSION



WITH LED B/L

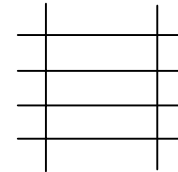
MECHANICAL DIMENSION	
Overall Dimension (mm)	92.00 X 55.00 X 11.40
Viewing Area (mm)	65.50 X 38.00
Format	128 SEG × 64 COM
Dot Size (mm)	0.45 X 0.49
Dot Pitch (mm)	0.475 X 0.515

ABSOLUTE MAXIMUM RATINGS				
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	V _{dd-Vss}	-0.3	3.6	V
Supply Voltage for LCD	V _{lcd}	4.0	13.5	V
Input Voltage	V _{in}			V

ELECTRICAL CHARACTERISTICS (VDD=5.0V ; Top=25° C)					
Parameter	Symbol	MIN	Typical	MAX	Unit
Power Supply Voltage	V _{dd-Vss}		3.0		V
LCD Operating Voltage	V _{op}		9.0		V
LCM Current Consumption	I _{dd}				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method		1/65 Duty 1/9 Bias			

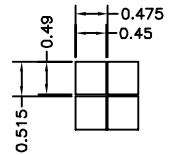
SEG1 SEG128

COM31
COM0



COM&SEG layout

COM63
COM32



Dot Size

NOTES

IC Controller / Driver:
LCD :

ST7565R or compatible
Y/G STN, FSTN,
NEGATIVE FSTN, NEGATIVE FFSTN
White LED, YELLOW-GREEN LED

Backlight :

Viewing Angle :

Operating Temperature :

Storage Temperature :

6:00, 12:00

-20° C ~ +70° C

-30° C ~ +80° C

PIN ASSIGMENT

Pin No.	Symbol
1	A
2	K
3	VSS
4	VDD
5	SID
6	SCLK
7	AO
8	RES
9	CS