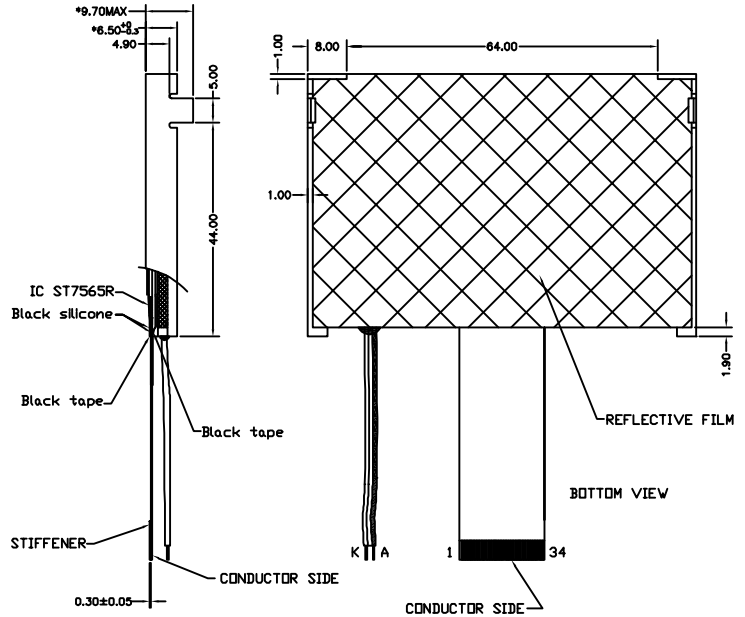
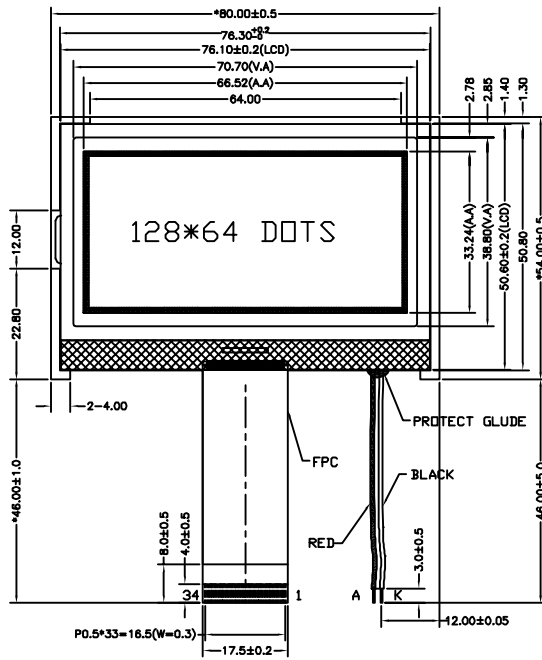
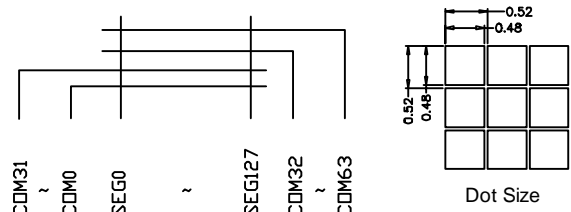


PG-120646 Series

OUTLINE DIMENSION



WITH LED B/L



MECHANICAL DIMENSION	
Overall Dimension (mm)	80.00 X 54.00 X 9.70
Viewing Area (mm)	70.70 X 38.80
Format	128 SEG × 64 COM
Dot Size (mm)	0.48 X 0.48
Dot Pitch (mm)	0.52 X 0.52

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 (V _{DD} =5.0V ; T _{op} =25° C)					
Parameter	Symbol	MIN	Typical	MAX	Unit
Power Supply Voltage	V _{dd-Vss}		3.3		V
LCD Operating Voltage	V _{op}		9.8		V
LCM Current Consumption	I _{dd}				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method	1/65 Duty 1/9 Bias				

PIN ASSIGNMENT			
Pin No.	Symbol	Pin No.	Symbol
1	/CS1	18	CAP3-
2	/RES	19	CAP1+
3	AO	20	CAP1-
4	/WR(RW)	21	CAP2-
5	/RD(E)	22	CAP2+
6	D0	23	CAP4-
7	D1	24	VRS
8	D2	25	V1
9	D3	26	V2
10	D4	27	V3
11	D5	28	V4
12	D6	29	V5
13	D7	30	VR
14	VDD	31	C86
15	VSS	32	P/S
16	VOUT	33	/HPM
17	CAP5-	34	IRS

NOTES

- IC Controller / Driver: **ST7565R or compatible**
 Y/G STN, FSTN,
 LCD : **NEGATIVE FSTN, NEGATIVE FFSTN**
White LED, YELLOW-GREEN LED
- Backlight :
 Viewing Angle: **6:00, 12:00**
 Operating Temperature : **-20° C ~ +70° C**
 Storage Temperature : **-30° C ~ +80° C**