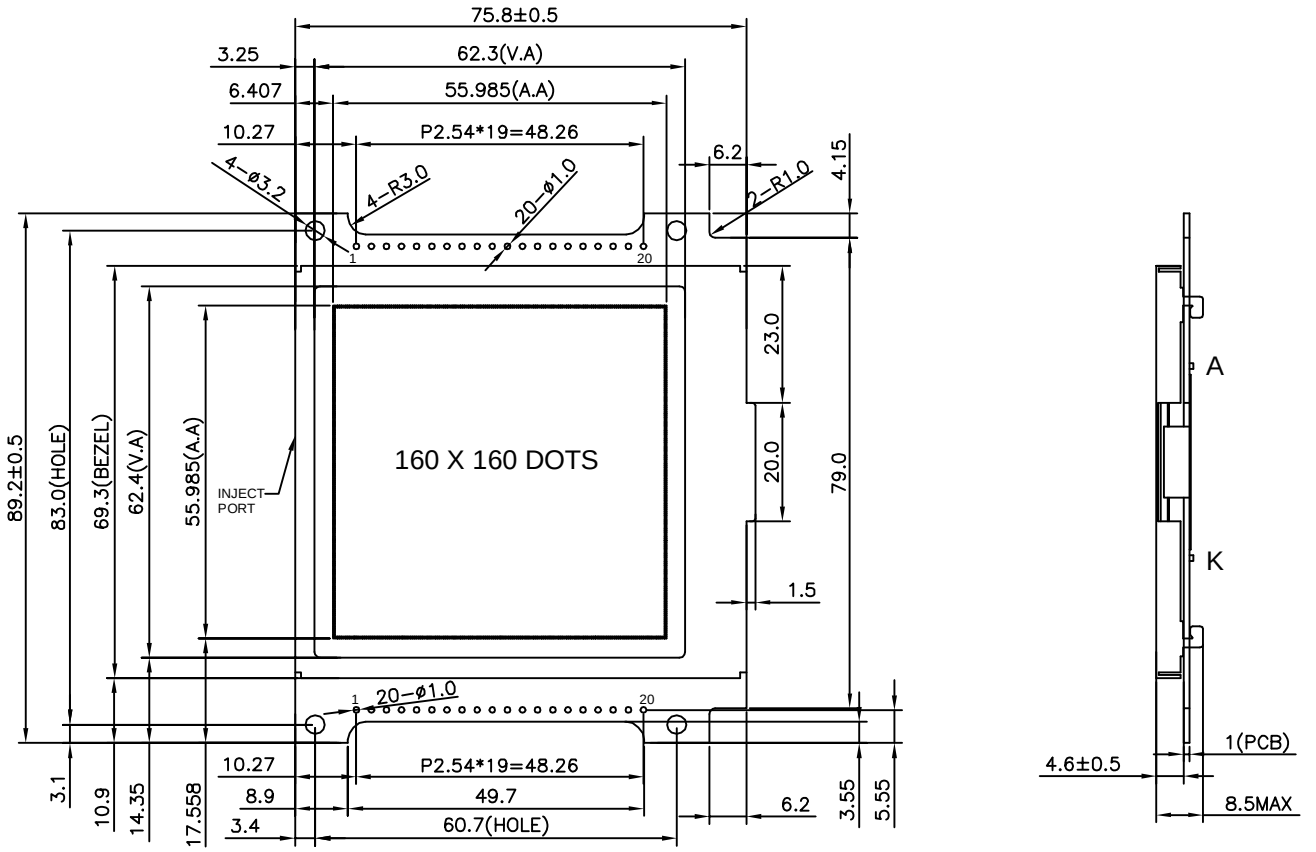
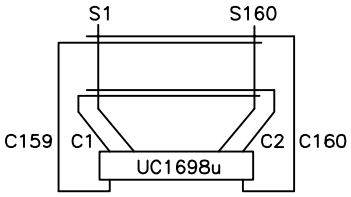
POLYTRONIX, INC.

PG-161609 Series

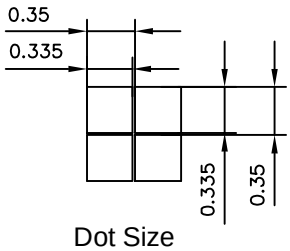
OUTLINE DIMENSION



WITH LED B/L



COM&SEG LAYOUT



Dot Size

MECHANICAL DIMENSION	
Overall Dimension (mm)	75.8 X 89.2 X 8.5
Viewing Area (mm)	62.3 X 62.4
Format	160 SEG × 160 COM
Dot Size (mm)	0.335 X 0.335
Dot Pitch (mm)	0.35 X 0.35

ADSOLUTE MAXIMUM RATINGS				
Parameter	Symbol	MIN	MAX	Unit
Supply Voltage for Logic	Vdd-Vss	-0.3	3.3	V
Supply Voltage for LCD	Vlcd	6.15	18	V
Input Voltage	Vin			V

ELECTRICAL CHARACTERISTICS (VDD=5.0V ; Top=25° C)					
Parameter	Symbol	MIN	Typical	MAX	Unit
Power Supply Voltage	Vdd-Vss		3.3		V
LCD Operating Voltage	Vop		15.6		V
LCM Current Comsumption	Idd				mA
Backlight Current Consumption	LED (Edge)				mA
	LED (Array)				mA
Driving Method	1/160 Duty 1/12 Bias				

PIN ASSIGMENT			
Pin No.	Symbol	Pin No.	Symbol
1	FGND	11	D1
2	VSS	12	D2
3	VDD	13	D3
4	NC	14	D4
5	/WR	15	D5
6	/RD	16	D6
7	/CE	17	D7
8	C/D	18	NC
9	RESET	19	A
10	D0	20	K

NOTES

IC Controller / Driver: UC1698u (or Compatible)
LCD : FSTN,Y/G STN,Negative FSTN, Negative FFSTN
Backlight : White LED, YELLOW-GREEN LED
Viewing Angle: 6:00,12:00
Operating Temperature : -20° C~+70° C
Storage Temperature : -30° C~+80° C