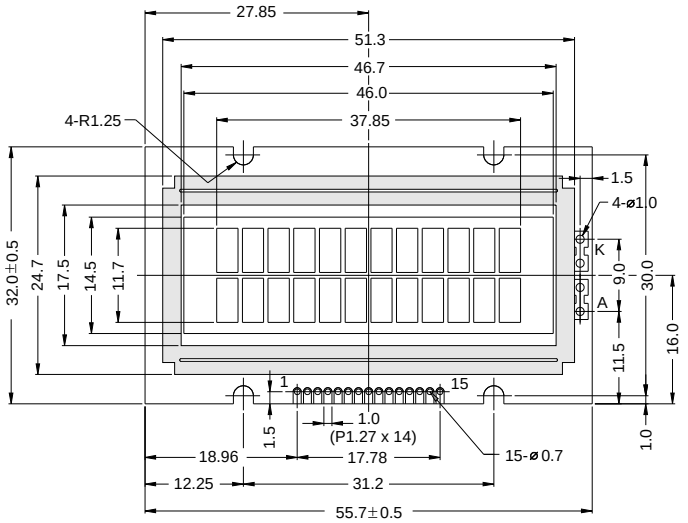
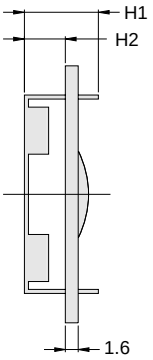
POWERTIP

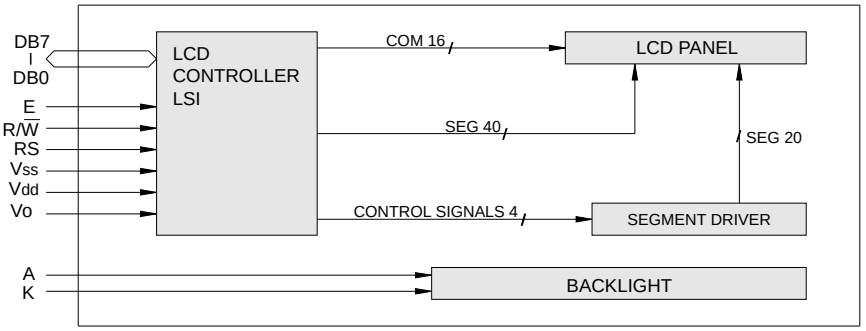
PC 1202-A

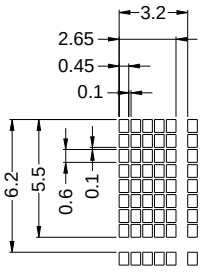


OUTLINE DIMENSION & BLOCK DIAGRAM









The tolerance unless classified ±0.3mm

MECHANICAL SPECIFICATION			
Overall Size	55.7 x 32.0	Module	H2 / H1
View Area	46.7 x 17.5	W /O B/L	5.1 / 9.2
Dot Size	0.45 x 0.60	EL B/L	5.1 / 9.2
Dot Pitch	0.55 x 0.70	LED B/L	8.7 / 12.8

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss/K	Power supply(GND) / LED B/L(–)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	RS	Register select signal
5	R/W	Data read / write
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	A	Power supply for LED B/L (+)

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	13	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

ELECTRICAL CHARACTERISTICS									
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vs	25°C	2.7		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	7.1	–	7.5	–	7.9	V
		0°C	4.5	–	4.6	–	5.1	–	V
		25°C	4.1	6.1	4.4	6.4	4.7	6.7	V
		50°C	3.8	–	4.1	–	4.4	–	V
		70°C	–	5.7	–	6	–	6.3	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		1.5		2.5		mA
Backlight current consumption	LED/edge	VB/L=4.2V	–		40		–		mA
	LED/array	VB/L=4.2V	–		80		–		mA

REMARK

LCD option: STN, TN, FSTN

Backlight Option: LED Backlight feature, other Specs not available on catalog is under request.