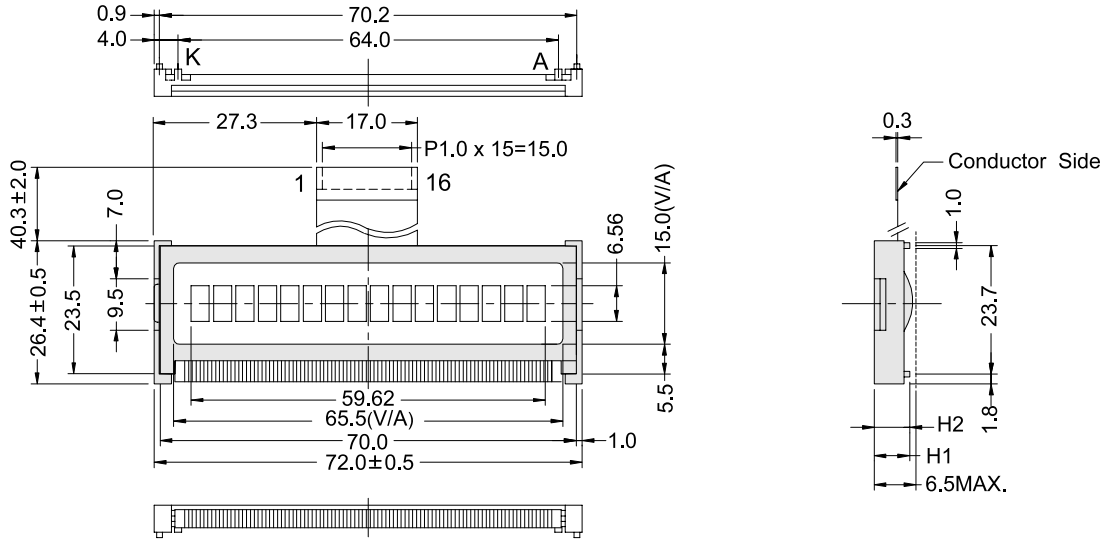
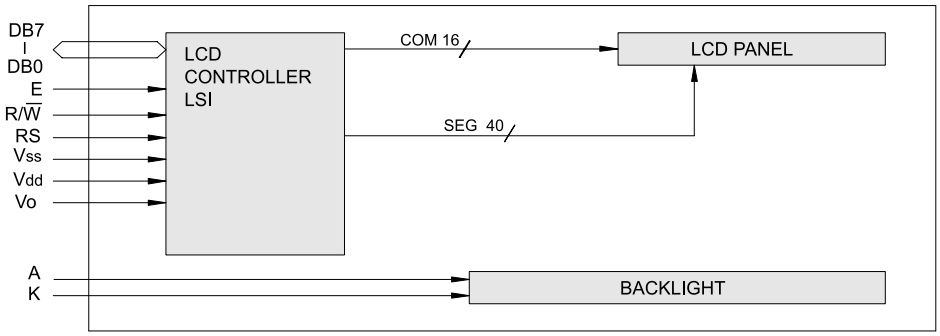
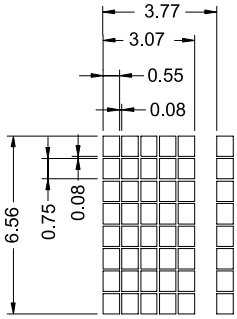
OUTLINE DIMENSION & BLOCK DIAGRAM







The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	72.5 x 26.4	Module	H2 / H1
View Area	65.5 x 15.0	W /O B/L	– / 2.6
Dot Size	0.55 x 0.75	EL B/L	– / –
Dot Pitch	0.63 x 0.83	LED B/L	5.0 / 6.0

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	RS	Register select signal
5	R/$\overline{W}$	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/NC	Power supply for LED B/L (+)
16	K/NC	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-Vss	25°C	2.7		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	4.5	–	5.7	–	5.8	V
		0°C	4.8	–	4.8	–	4.8	–	V
		25°C	4.3	4.4	4.5	5.1	4.3	5.3	V
		50°C	3.7	–	4.8	–	3.9	–	V
		70°C	–	4.1	–	4.6	–	4.8	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	–		–		–		mA