RC 2002-B

OUTLINE DIMENSION & BLOCK DIAGRAM
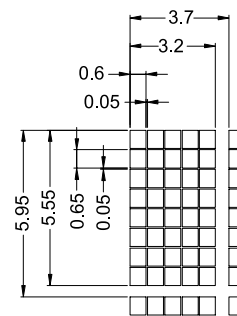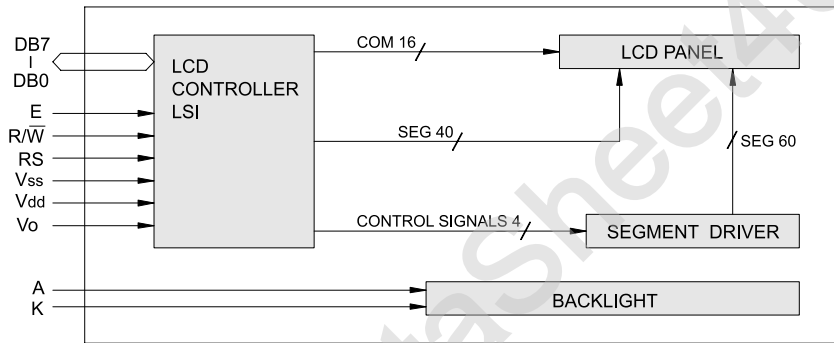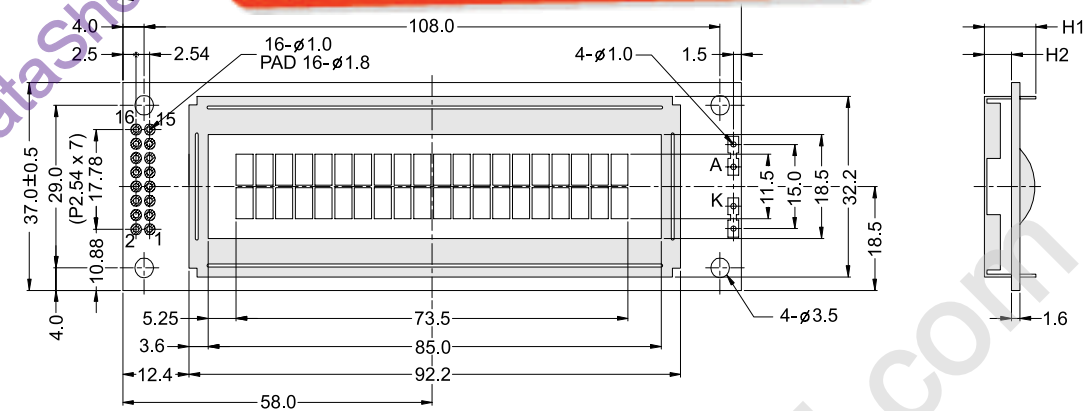
The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	116.0 x 37.0	Module	H2 / H1
View Area	85.0 x 18.5	W /O B/L	5.1 / 9.7
Dot Size	0.60 x 0.65	EL B/L	5.1 / 9.7
Dot Pitch	0.65 x 0.70	LED B/L	8.7 / 13.3

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	Power supply for LED B/L (+)
16	K	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
		Top	N	W	N	W	N	W	V
		-20°C	—	7.1	—	7.5	—	7.9	V
LCD operation voltage	Vop	0°C	4.3	—	4.7	—	5.0	—	V
		25°C	3.7	6.1	4.1	6.4	4.4	6.7	V
		50°C	3.3	—	3.6	—	4.0	—	V
		70°C	—	5.7	—	6	—	6.3	V
LCM current consumption (No B/L)	Idd	Vdd=5V	—		2		3		mA
Backlight current consumption	LED/edge	VB/L=4.2V	—		—				mA
	LED/array	VB/L=4.2V	—		210		—		mA

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