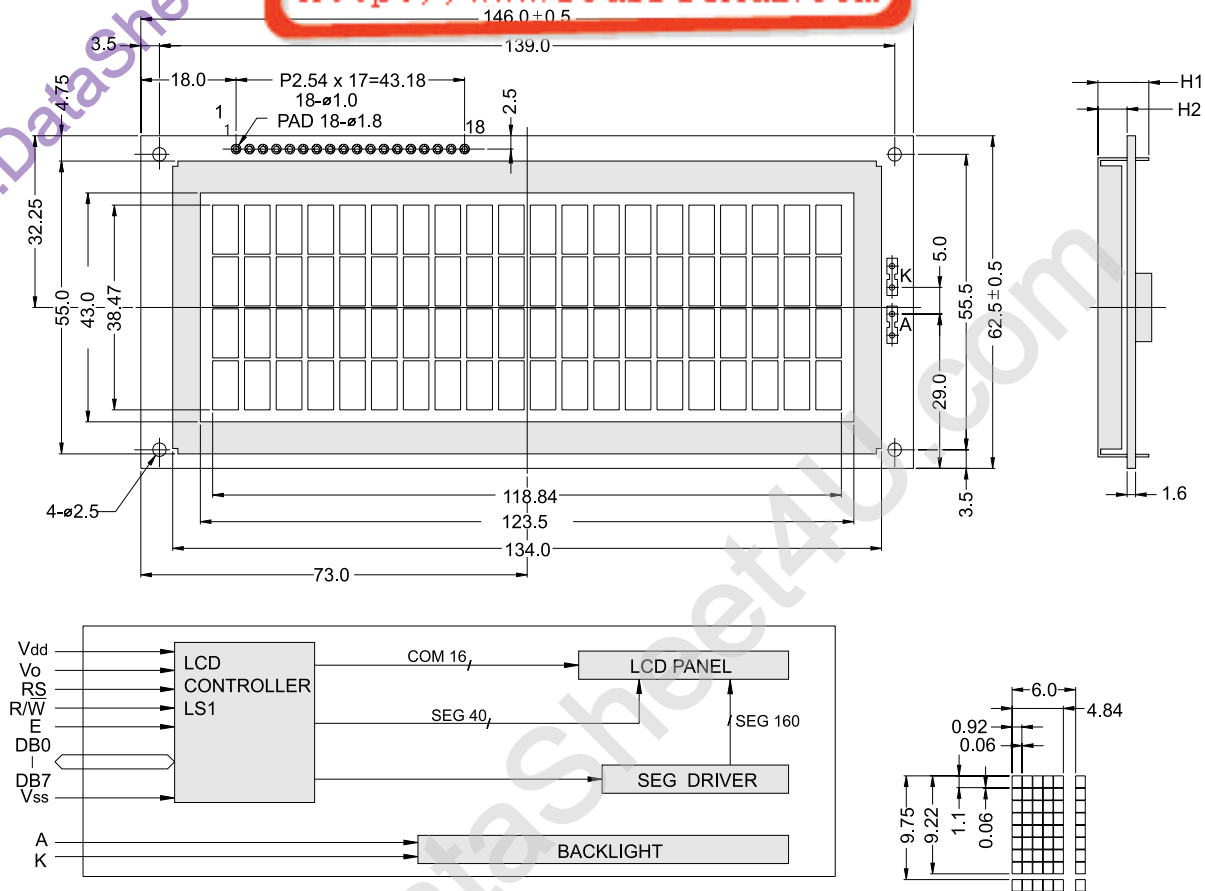


OUTLINE DIMENSION & ELECTRICAL DIAGRAM **液晶之家 电话: 020-33819057**  
[Http://www.lcdfriends.com](http://www.lcdfriends.com)



The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	146.0 x 62.5	Module	H2 / H1
View Area	123.5 x 43.0	W / O B/L	5.5 / 9.6
Dot Size	0.92 x 1.10	EL B/L	5.5 / 9.6
Dot Pitch	0.98 x 1.16	LED B/L	9.0 / 13.1

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	V <sub>ss</sub>	Power supply(GND)
2	V <sub>dd</sub>	Power supply(+)
3	V <sub>o</sub>	Contrast Adjust
4	R <sub>S</sub>	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 (+)
16	K	Power supply for LED B/L (-)
17	NC/V <sub>ee</sub>	Negative voltage
18	NC	No connection

ABSOLUTE MAXIMUM RATING									
Item	Symbol	Condition	Min.	Max.	Units				
Supply for logic voltage	V <sub>dd</sub> -V <sub>ss</sub>	25°C	-0.3	7	V				
LCD driving supply voltage	V <sub>dd</sub> -V <sub>ee</sub>	25°C	-0.3	13	V				
Input voltage	V <sub>in</sub>	25°C	-0.3	V <sub>dd</sub> +0.3	V				
ELECTRICAL CHARACTERISTICS									
Item	Symbol	Condition	Min.	Typical	Max.	Units			
Power supply voltage	V <sub>dd</sub> -V <sub>ss</sub>	25°C	2.7	-	5.5	V			
LCD operation voltage	V <sub>op</sub>	Top	N	W	N	W	N	W	V
		-20°C	-	7.1	7.5	-	7.9	V	
		0°C	4.5	4.8	-	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)	I <sub>dd</sub>	V <sub>dd</sub> =5V	-	2.5	4	mA			
Backlight current consumption	LED/edge	V <sub>B/L</sub> =4.2V	-	-	-	mA			
	LED/array	V <sub>B/L</sub> =4.2V	-	770	-	mA			