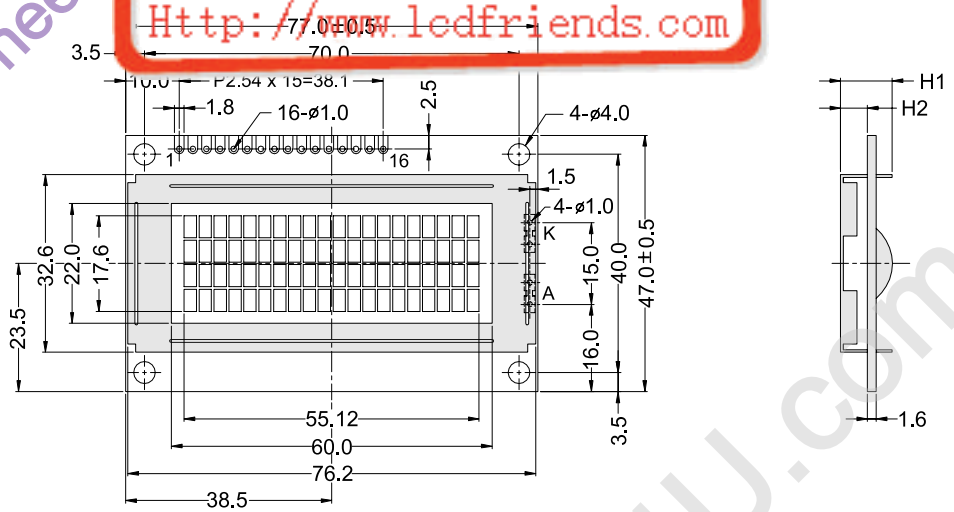
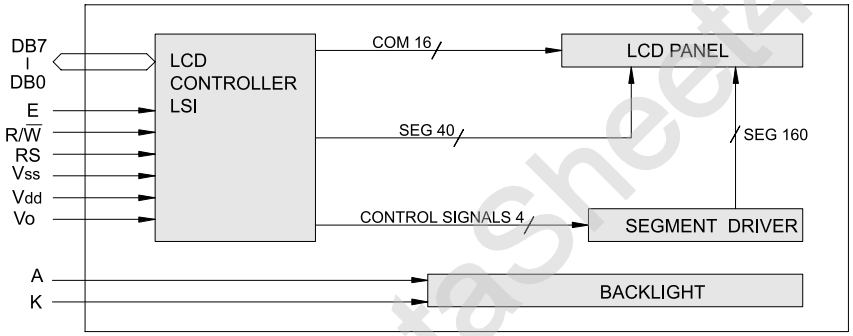
RC 2004-C

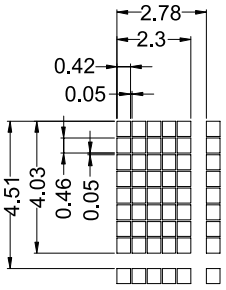
OKAYA

www.DataSheet4U.com
液晶之友 电话：020-33819057
Http://www.ledfriends.com

OUTLINE DIMENSION & BLOCK DIAGRAM







The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	77.0 x 47.0	Module	H2 / H1
View Area	60.0 x 22.2	W /O B/L	5.0 / 9.6
Dot Size	0.42 x 0.46	EL B/L	5.0 / 9.6
Dot Pitch	0.47 x 0.51	LED B/L	9.6 / 14.2

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/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 vlotage	Vdd-Vss	25°C	2.7		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	7.4	–	7.8	–	8.2	V
		0°C	4.9	–	5.2	–	5.5	–	V
		25°C	4.5	6.4	4.8	6.7	5.1	7	V
		50°C	4.1	–	4.4	–	4.7	–	V
		70°C	–	6	–	6.3	–	6.6	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		2.5		4		mA
Backlight current consumption	LED/edge	VB/L=4.2V	–		–		–		mA
	LED/array	VB/L=4.2V	–		150		–		mA