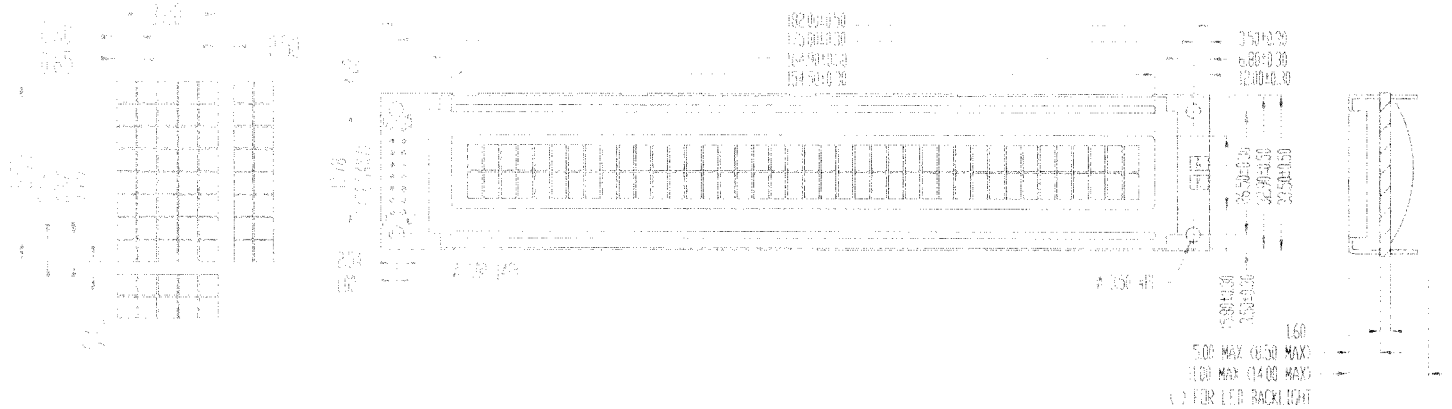


RT4002ASR(L)B

*40 Characters 2 lines * Controller LSI built-in * +5v single power supply

EXTERNAL DIMENSIONS AND DISPLAY PATTERN



MECHANICAL DATA (Nominal dimensions)	
module size	182.0Wx33.5Hx11.0(14.0)D mm
Effective display area	154.5Wx15.8H mm
Character size(5X8 dots)	3.20Wx5.55H mm
Character pitch	3.70x5.95 mm
Dot size	0.60Wx0.65H mm
ABSOLUTE MAXIMUM RATINGS min max	
Power supply for logic(Vdd-Vss)	0 7.0V
power supply for LCD drive(Vdd-V0)	0 5.0V
Input voltage(Vi)	Vss VddV
Operating temperature(Ta)	0 60
Storage temperature(Tstg)	-10 70
ELECTRICAL CHARACTERISTICS	
Ta=25 , Vdd=5.0V±0.25V	
Input 'high' voltage(ViH)	3.5Vmin.
Input 'low' voltage(ViL)	0.55Vmax.
Output 'high' voltage(VoH)(-IoH+0.1mA)	3.75Vmin.
Output 'low' voltage(VoL)(IoL=0.1mA)	1.0Vmax.
Power supply current(Idd)(Vdd=5.0V)	2.0mAmax.
Drive method	1/16Duty , 1/5bias.

PIN CONNECTION			
Pin No.	Symbol	Level	Function
1	Vss	—	0V
2	Vdd	—	+5V
3	Vo	—	—
4	RS	H/L	L:Instruction code input H:Data input
5	R/W	H/L	H:Data read L:Data write
6	E	H,H→L	Enable signal
7	D0	H/L	Data bus line *
8	D1	H/L	
9	D2	H/L	
10	D3	H/L	
11	D4	H/L	
12	D5	H/L	
13	D6	H/L	
14	D7	H/L	
15	LED+	—	
16	LED-	—	

BLOCK DIAGRAM

