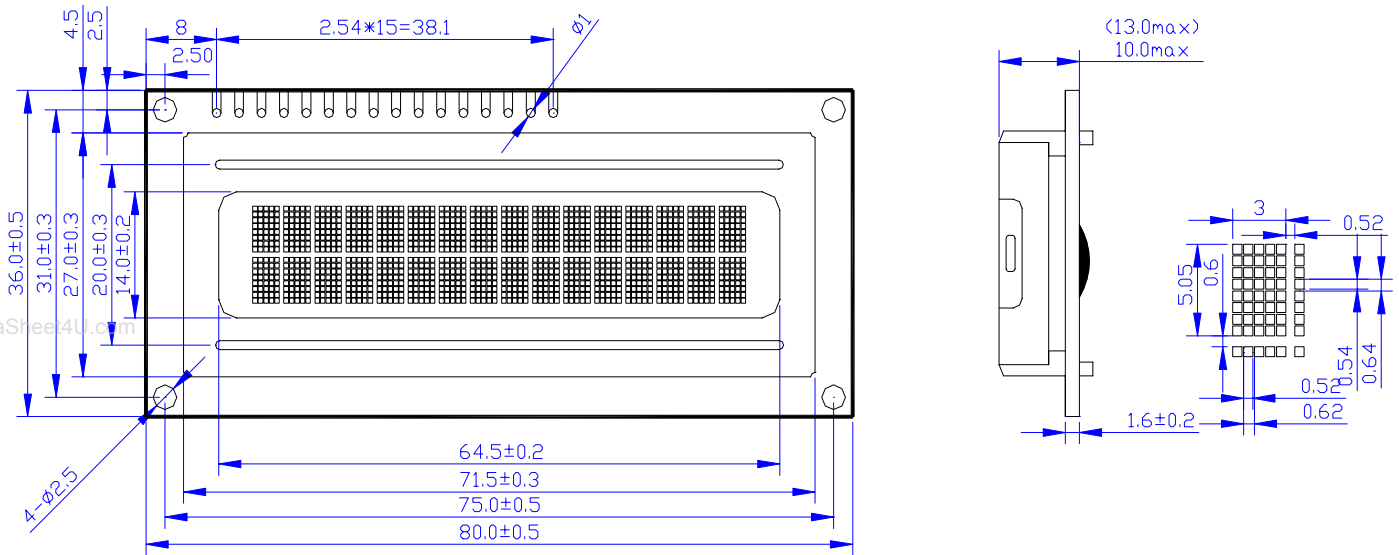


RT1602ASR(L)B

*16 Characters 2 lines *Controller LSI built-in *+5V single power supply

EXTERNAL DIMENSIONS AND DISPLAY PATTERN



MECHANICAL DATA (Nominal dimensions)	
module size	80.0Wx36.0Hx10.0(13.0)D mm
Effective display area	64.5Wx14.0H mm
Character size(5X8 dots)	3.0Wx5.05H mm
Dot size	0.52Wx0.60H mm
ENVIRONMENTAL 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±0.5V	
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=1.2mA)	1.0Vmax.
Power supply current(Idd)(Vdd=5.0V)	2.0mAmax.
Drive method	1/16Duty , 1/5bias.

PIN CONNECTION			
Pin No.	Symbol	Lever	Function
1	Vss	—	0V
2	Vdd	—	+5V
3	Vo	—	—
4	RS	H/L	L:Instruction code input
5	R/W	H/L	H:Data read
		H/L	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+	+	Power supply for LED
16	LED-	-	Power supply for LED

BLOCK DIAGRAM

