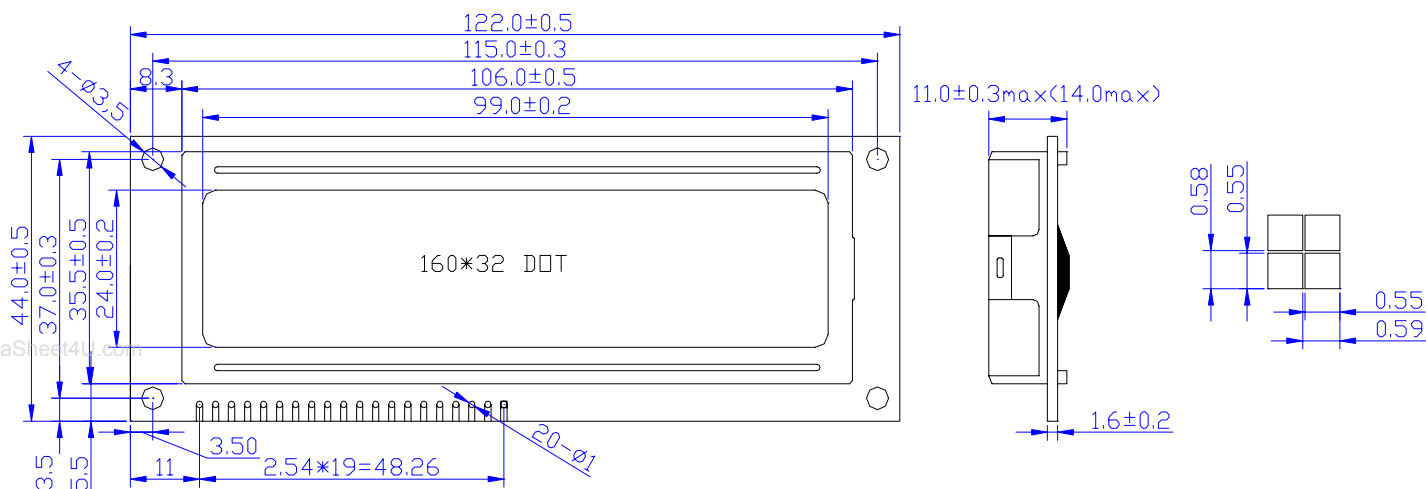


RT16032-3BSR(L)B

*160 Characters 32 lines *Controller LSI built-in *+5V single power supply

EXTERNAL DIMENSIONS AND DISPLAY PATTERN



PIN CONNECTION

MECHANICAL DATA (Nominal dimensions)		Pin No.	Symbol	Lever	Function
module size	122.0Wx44.0Hx11.0D mm	1	Vss	—	0V
Effective display area	99.0Wx24.0H mm	2	Vdd	—	+5V
Dot size	0.55Wx0.55H mm	3	Vo	—	—
Dot pitch	0.58WX0.59H mm	4	RS	H/L	L:Instruction code input H:Data input
ABSOLUTE MAXIMUM RATINGS min max		5	R/W	H/L H/L	H:Data read L:Data write
Power supply for logic(Vdd-Vss)	0 7.0V	6	E	H,H-L	Enable signal
power supply for LCD drive(Vdd-V0)	0 5.0V	7	D0	H/L	Data bus line *
Input voltage(Vi)	Vss VddV	8	D1	H/L	
Operating temperature(Ta)	0 60	9	D2	H/L	
Storage temperature(Tstg)	-10 70	10	D3	H/L	
		11	D4	H/L	
		12	D5	H/L	
		13	D6	H/L	
ELECTRICAL CHARACTERISTICS		14	D7	H/L	
Ta=25 , Vdd=5.0V±0.5V		15	PSB		
Input 'high' voltage(ViH)	3.5Vmin.	16	NC		
Input 'low' voltage(ViL)	0.55Vmax.	17	/RST		
Output 'high' voltage(VoH)(-IoH+0.1mA)	3.75Vmin.	18	NC		
Output 'low' voltage(VoL)(IoL=1.2mA)	1.0Vmax.	19	LED+	+	Power supply for LED
Power supply current(Idd)(Vdd=5.0V)	2.0mAmax.	20	LED-	-	Power supply for LED
Drive method	1/32Duty,1/5 bias.				

BLOCK DIAGRAM

