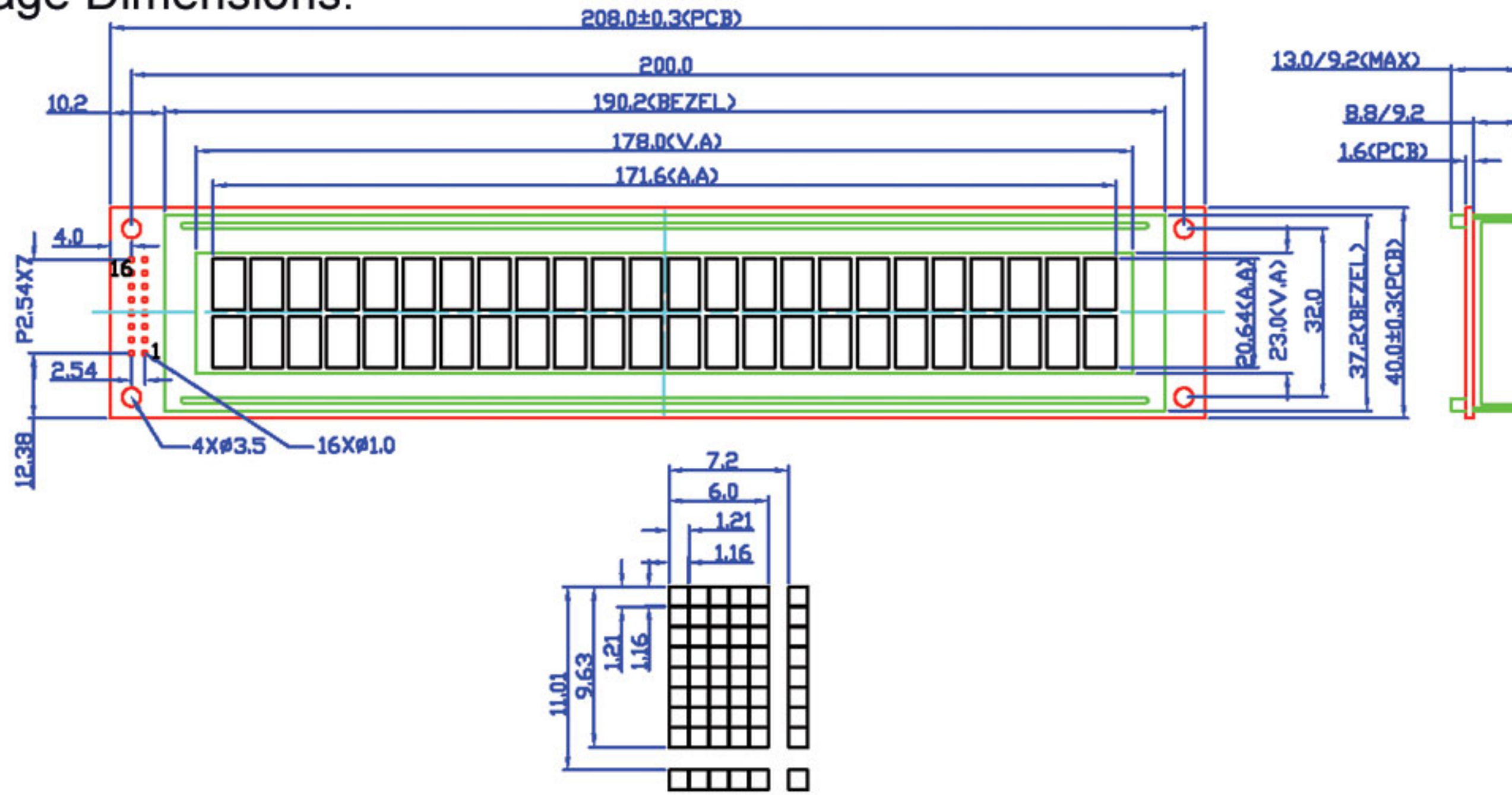




Package Dimensions:



PIN Connections			Absolute Maximum Ratings						
PIN	SYMBOL	SIGNAL DESCRIPTION	Parameter	Symbol	Min.	Max.	Unit		
1	Vss	Power Supply(GND)	Supply Voltage	Vdd	-0.3	7.0	V		
2	Vdd	Power Supply(+5V)	LCD Supply Voltage	Vee	Vdd-15.0	0	V		
3	Vo	Contrast Adjust	Input Voltage	Vr	-0.3	Vdd+0.3	V		
4	RS	Instruction/Data Register Select	Operating Temperature	Top	0	50	°C		
5	R/W	Data Read/Write	Storage Temperature	Tstg	-20	70	°C		
6	E	Enable Signal	Bottom BackLight Characters (Ta=25 °C)						
7-14	DB0-DB7	Data Bus Line							
15	A	Power Supply for LED B/L (+)							
16	K	Power Supply for LED B/L (-)							
			Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
			Supply Voltage	Vled	—	—	4.2	—	V
			LED Forward Consumption Current	If	Ta=25° Vf=4.1V	—	450	—	mA
LED Allowable Dissipation	Pd	—	—	1900	—	mW			
			Electrical Characteristics (Ta=25 °C)						
			Item	Symbol	Condition	Min.	Typ.	Max.	Unit
			Supply Voltage(Logic)	Vdd-Vss	—	4.5	5.0	5.5	V
			Supply Current(Logic)	Idd	VDD=5.0V	—	1.0	2.2	mA
			Driving Current(LCD)	Iee	Vee=4.2V	—	1.46	—	mA
			Driving Voltage(LCD)	Vdd-Vee	—	4.6	4.8	5.0	V
			Input Voltage "H"	Vih	H	0.8Vdd	—	VDD	V
			Input Voltage "L"	Vil	L	Vss	—	0.8	V
			Output Voltage "H"	Vol	H	2.4	—	—	V
			Output Voltage "L"	Vol	L	—	—	0.4	V