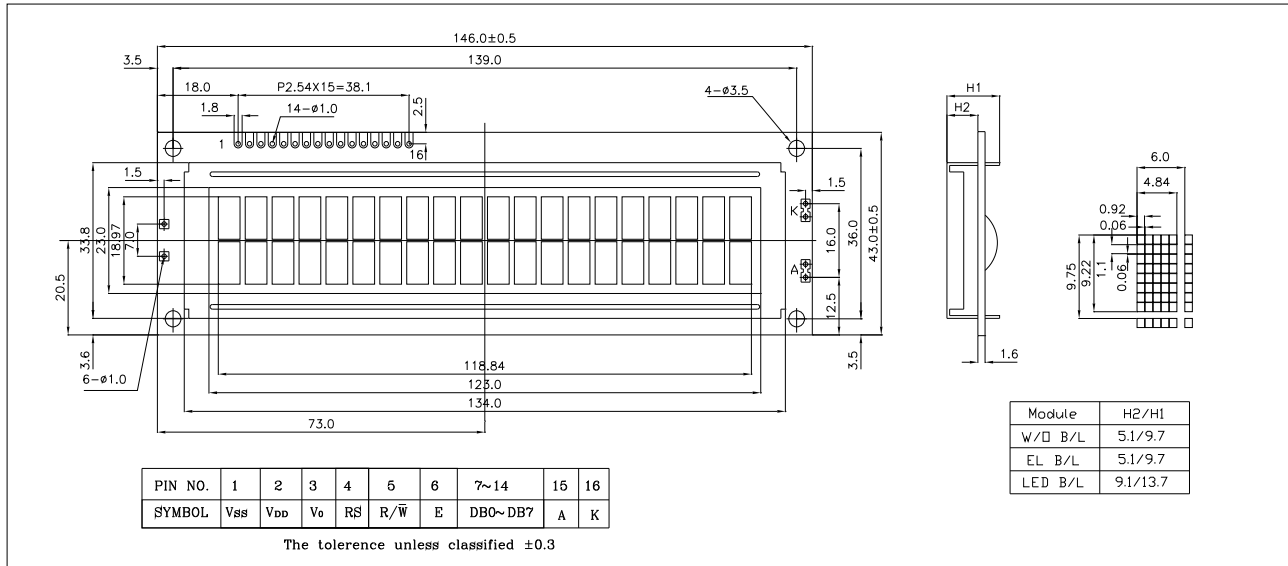
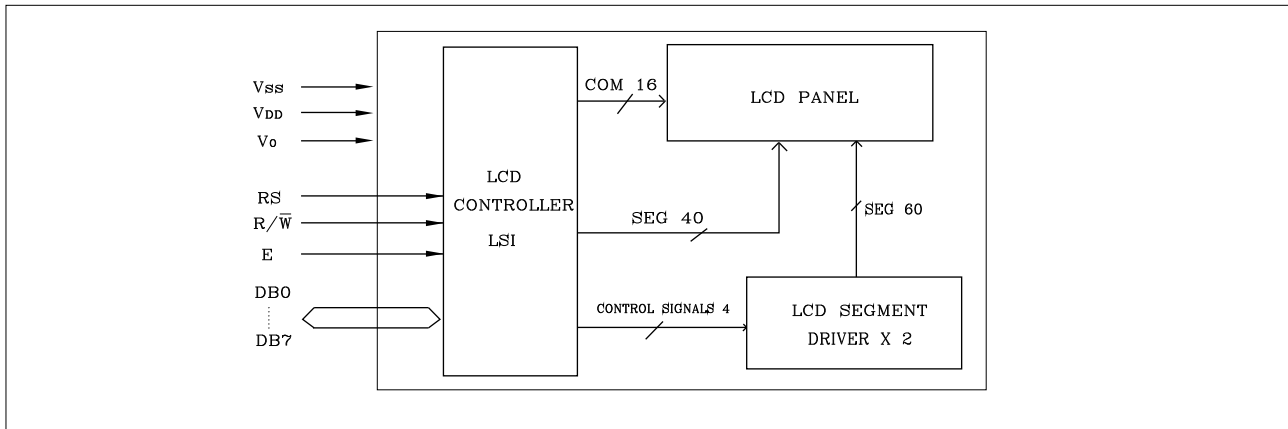


(28 characters X 2 lines)

1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS

Item	Nominal Dimensions	Unit
Module Size (W X H X T1/T2)	146.0 X 43.0 X 9.7/13.7(WITH LED)	mm
Viewing Area (W X H)	123.0 X 23.0	mm
Character Pitch (W X H)	6.0 X 9.75	mm
Character Size (W X H)	4.84 X 9.22	mm
Character Font	5 X 8 DOTS	-
Dot Pitch (W X H)	0.98 X 1.16	mm
Dot Size (W X H)	0.92 X 1.1	mm

4.0 ELECTRICAL CHARACTERISTICS(T_a=25 °C, V_{DD} = 5.0V±0.25V)

Item	Symbol	Test Condition		Standard Value			Unit
				Min.	Typ.	Max.	
Input High Voltage	V _{IH}	—		2.2	—	V _{DD}	V
Input Low Voltage	V _{IL}	—		−0.3	—	0.6	V
Output High Voltage	V _{OH}	−I _{OH} = 0.2mA		2.4	—	—	V
Output Low Voltage	V _{OL}	I _{OL} = 1.2mA		—	—	0.4	V
Supply Current	I _{DD}	V _{DD} = 5.0V		—	2.0	3.0	mA
Operating Voltage for LCD	V _{DD} − V _O	Ta=25 °C	(STN)	—	5.0	—	V
			(TN)	—	5.0	—	V