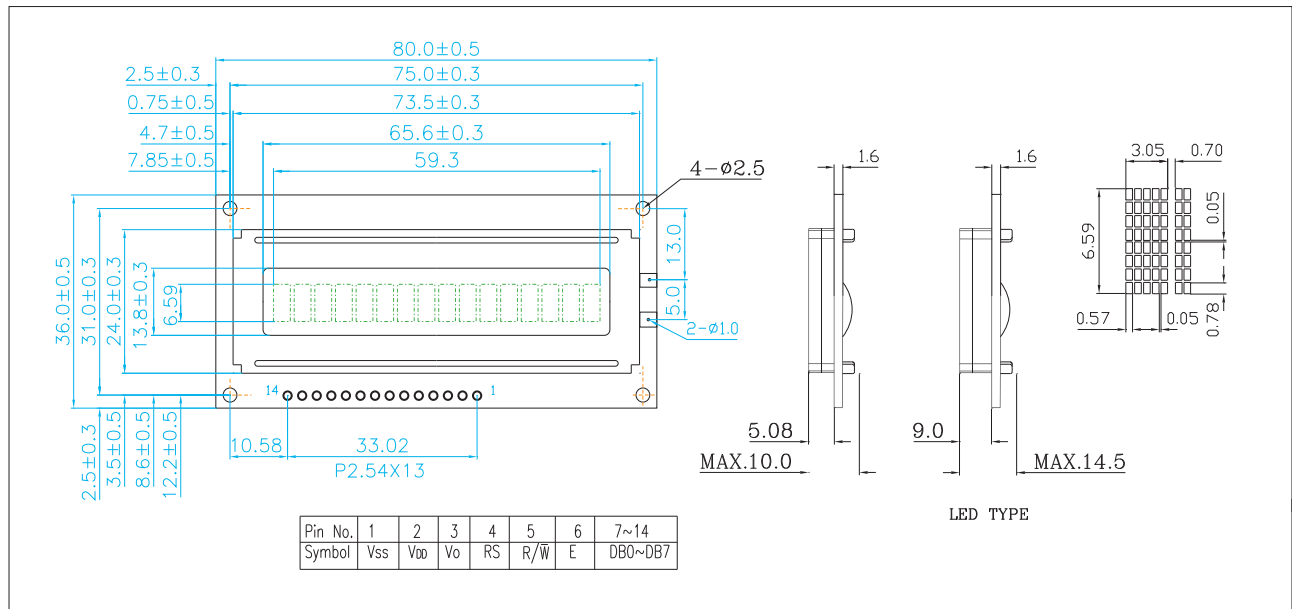
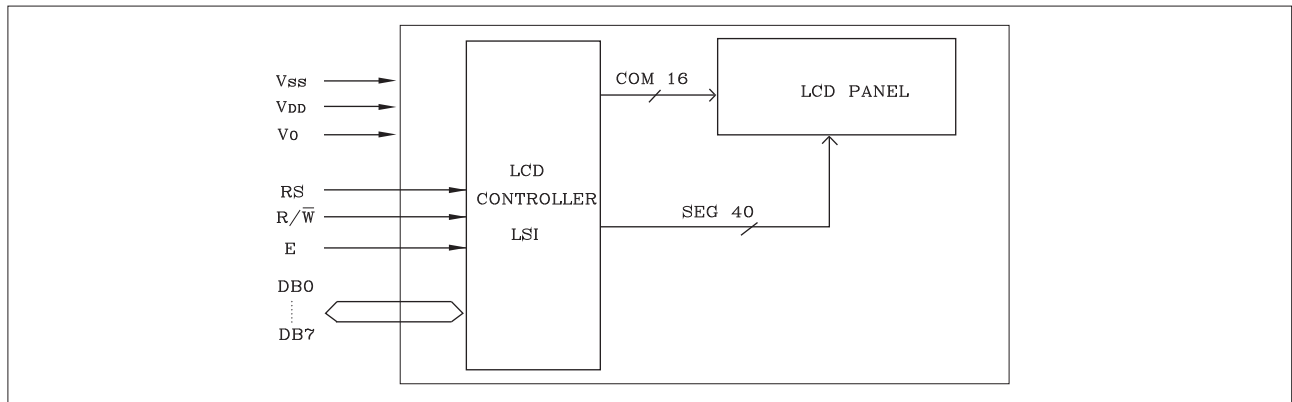


(16 characters X 1 line)

1.0 DIMENSIONAL DRAWING**2.0 BLOCK DIAGRAM****3.0 MECHANICAL SPECIFICATIONS**

Item	Nominal Dimensions	Unit
Module Size (W X H X T1/T2)	80.0 X 36.0 X 10.0/14.5(WITH LED)	mm
Viewing Area (W X H)	65.6 X 13.8	mm
Character Pitch (W)	3.75	mm
Character Size (W X H)	3.05 X 6.59	mm
Character Font	5 X 8 DOTS	-
Dot Pitch (W X H)	0.62 X 0.83	mm
Dot Size (W X H)	0.57 X 0.78	mm

4.0 ELECTRICAL CHARACTERISTICS($T_a=25^{\circ}\text{C}$, $V_{DD}=5.0\text{V}\pm 0.25\text{V}$)

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}	$-I_{OH}=0.2\text{mA}$	2.4	-	-	V
Output Low Voltage	V_{OL}	$I_{OL}=1.2\text{mA}$	-	-	0.4	V
Supply Current	I_{DD}	$V_{DD}=5.0\text{V}$	-	2.0	3.0	mA
Operating Voltage for LCD	$V_{DD}-V_0$	$T_a=25^{\circ}\text{C}$	(STN)	-	-	V
			(TN)	3.5	-	V