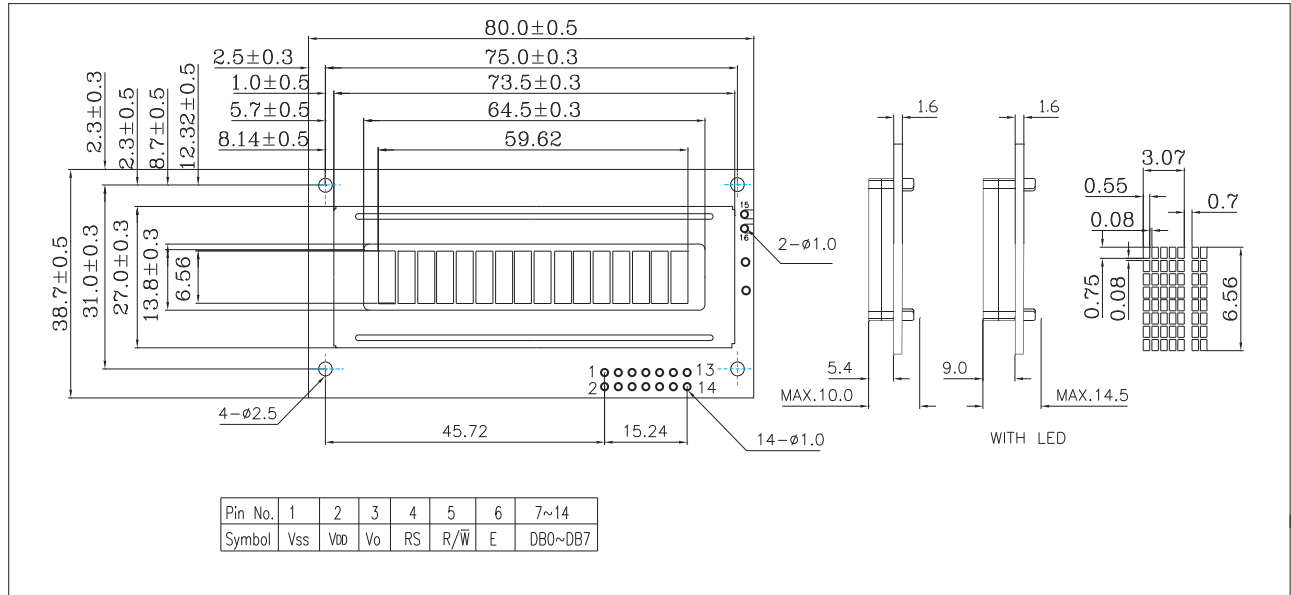
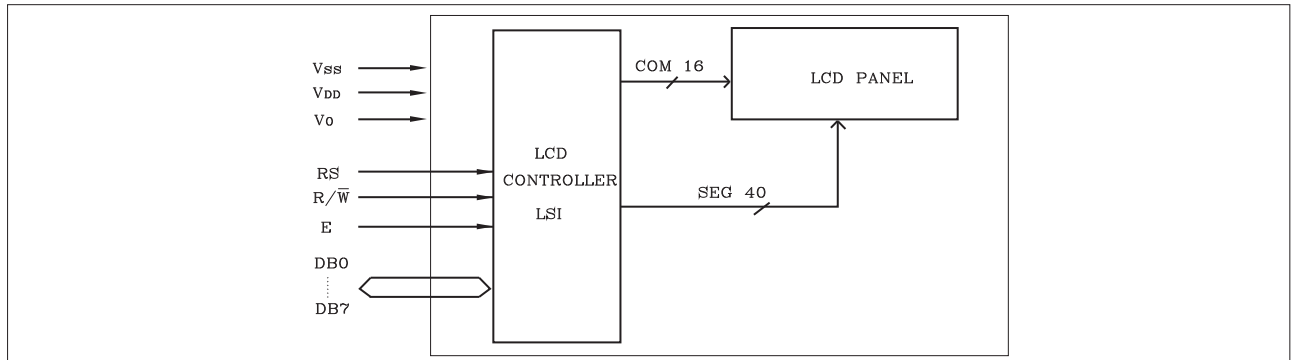


(16 characters X 1 line)

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 38.7 X 10.0/14.5(LED)	mm
Viewing Area (W X H)	64.5 X 13.8	mm
Character Pitch (W)	3.77	mm
Character Size (W X H)	3.07 X 6.56	mm
Character Font	5 X 8 DOTS	-
Dot Pitch (W X H)	0.63 X 0.83	mm
Dot Size (W X H)	0.55 X 0.75	mm

4.0 ELECTRICAL CHARACTERISTICS(Ta=25 °C, VDD = 5.0V±0.25V)

Item	Symbol	Test Condition	Standard Value			Unit
			Min.	Typ.	Max.	
Input High Voltage	VIH	-	2.2	-	VDD	V
Input Low Voltage	VIL	-	-0.3	-	0.6	V
Output High Voltage	VOH	-IOH = 0.2mA	2.4	-	-	V
Output Low Voltage	VOL	IOL = 1.2mA	-	-	0.4	V
Supply Current	IDD	VDD = 5.0V	-	2.0	3.0	mA
Operating Voltage for LCD	VDD - VO	Ta=25 °C	(STN)	-	5.0	V
			(TN)	-	4.5	V