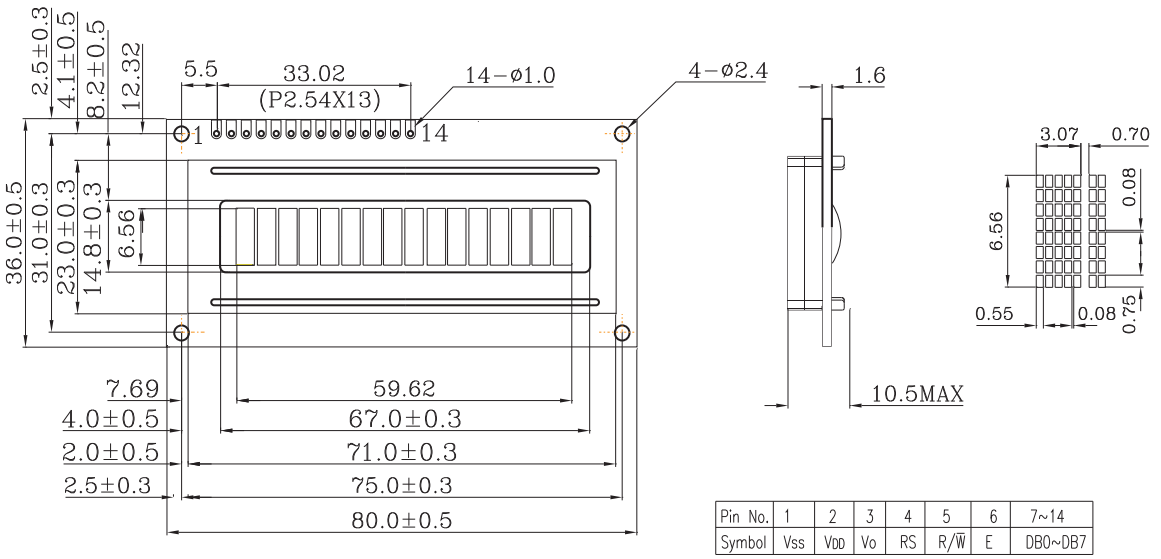
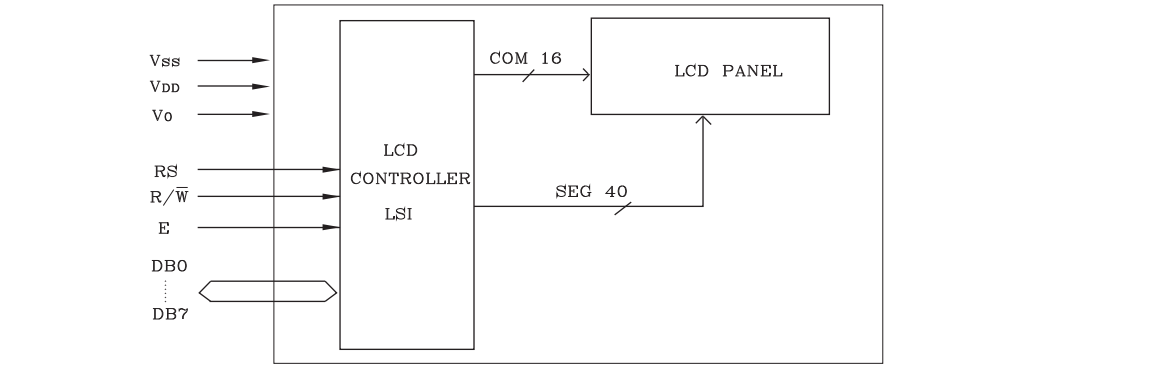
(16 characters X 1 line)

1.0 DIMENSIONAL DRAWING



Pin No.	1	2	3	4	5	6	7~14
Symbol	Vss	VDD	Vo	RS	R/W	E	DB0~DB7

2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS

Item	Nominal Dimensions	Unit
Module Size (W X H X T)	80.0 X 36.0 X 10.5	mm
Viewing Area (W X H)	67.0 X 14.8	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 - V0	Ta=25°C	(STN)	-	-	-	V
			(TN)	-	4.5	-	V