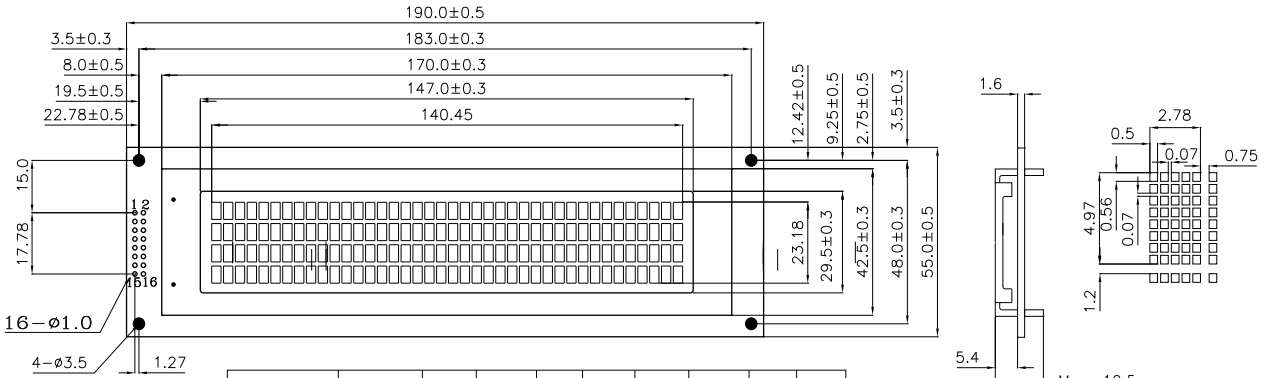
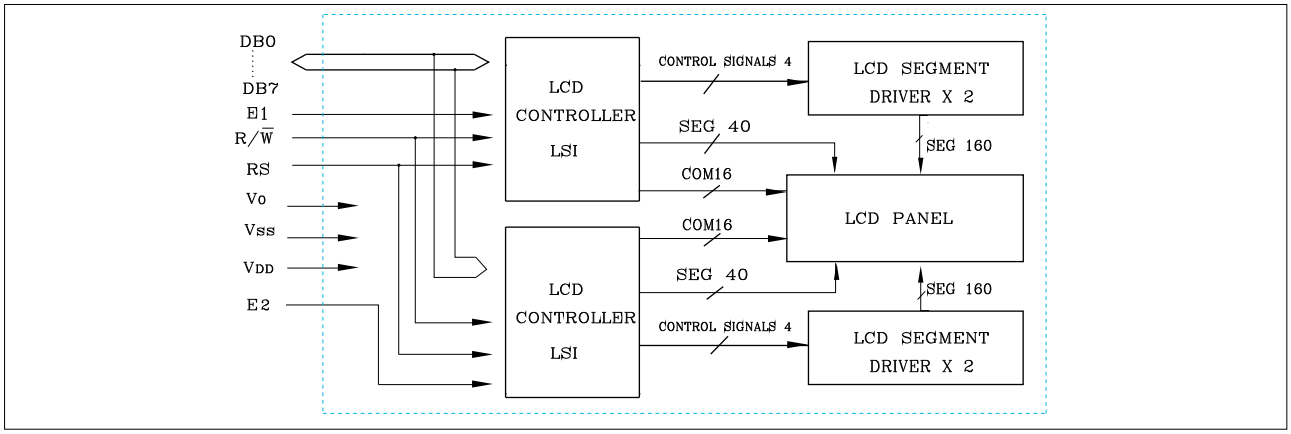
(40 characters X 4 lines)

1.0 DIMENSIONAL DRAWING



PIN NO.	1~8	9	10	11	12	13	14	15	16
SYMBOL	DB7~DB0	E1	R/W	RS	Vo	Vss	VDD	E2	NC

2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS

Item	Nominal Dimensions	Unit
Module Size (W X H X T)	190.0 X 55.0 X 10.5	mm
Viewing Area (W X H)	147.0 X 29.5	mm
Character Pitch (W X H)	3.53 X 6.17	mm
Character Size (W X H)	2.78 X 4.97	mm
Character Font	5 X 8 DOTS	-
Dot Pitch (W X H)	0.57 X 0.63	mm
Dot Size (W X H)	0.50 X 0.56	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		-	3.5	5.0	mA
Operating Voltage for LCD	VDD - V0	Ta=25°C	(STN)	-	5.0	-	V
			(TN)	-	-	-	V