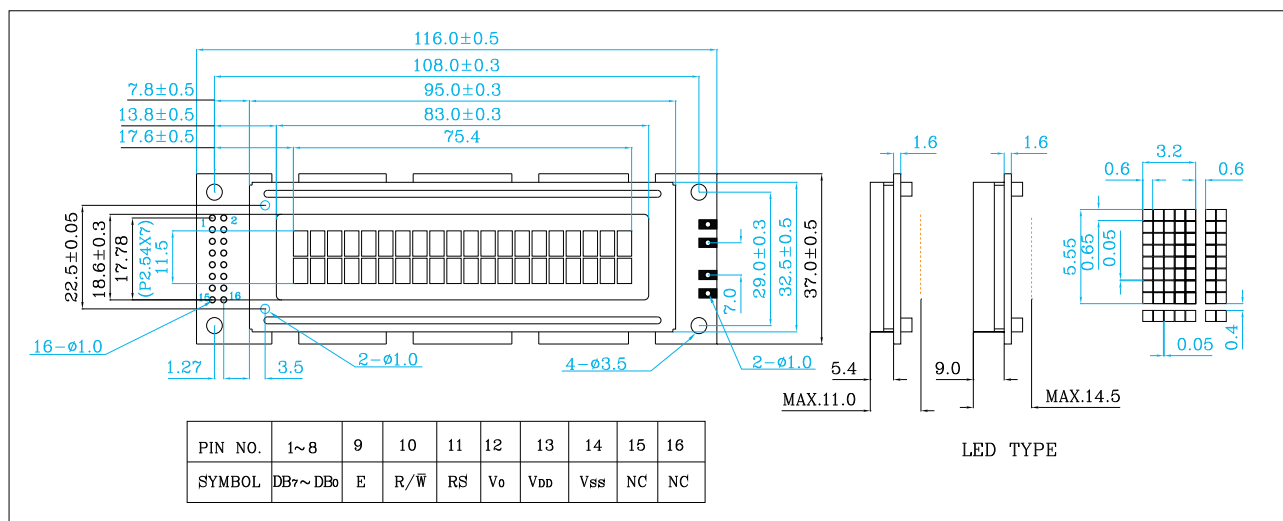
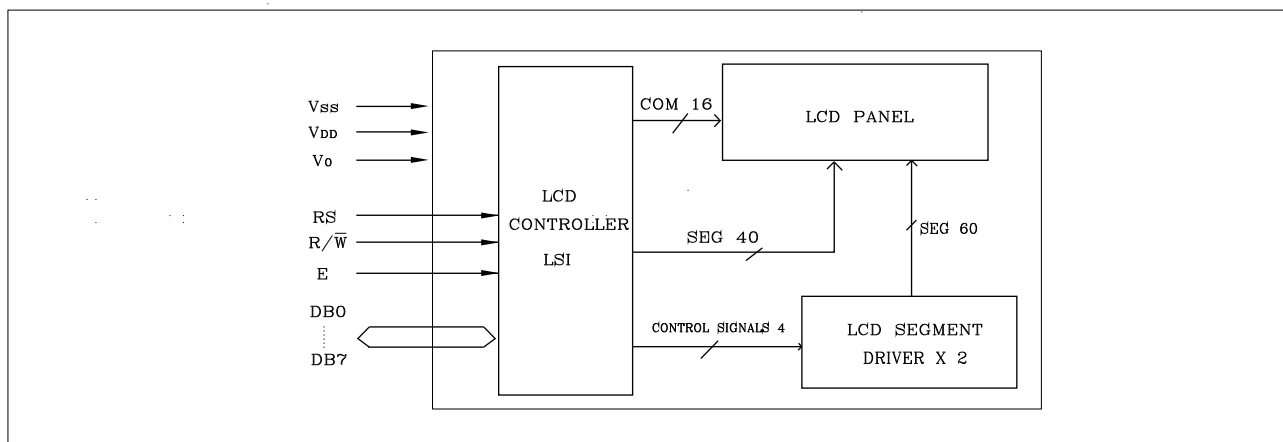


(20 characters X 2 lines)

1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS

Item	Nominal Dimensions	Unit
Module Size (W X H X T)	116.0 X 37.0 X 11.0/14.5(WITH LED)	mm
Viewing Area (W X H)	83.0 X 18.6	mm
Character Pitch (W X H)	3.80 X 5.95	mm
Character Size (W X H)	3.20 X 5.55	mm
Character Font	5 X 8 DOTS	-
Dot Pitch (W X H)	0.65 X 0.70	mm
Dot Size (W X H)	0.60 X 0.65	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} =0.2mA	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	T _a =25°C	(STN)	5.0	-	V
			(TN)	5.0	-	V