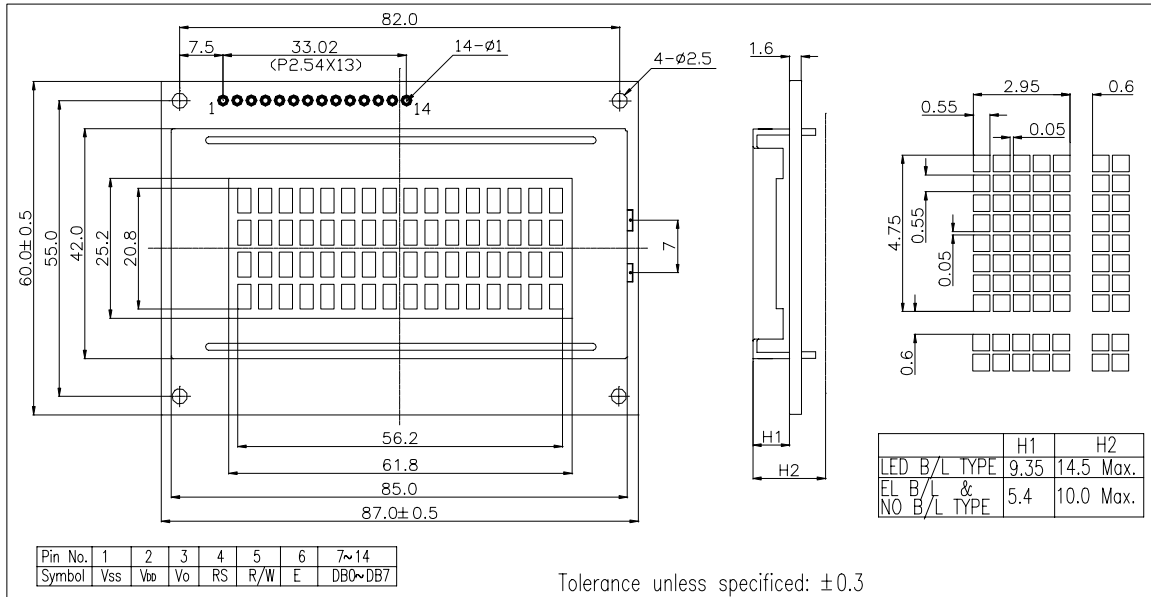


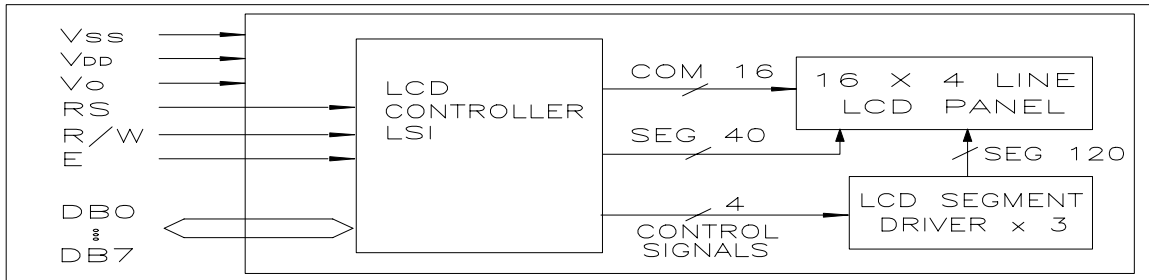
Liquid Crystal Display Technologies

( 16 characters × 4 line )

## 1. DIMENSIONAL OUTLINE



## 2. BLOCK DIAGRAM



## 3. MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATIONS	UNIT	REMARK
DIMENSIONAL OUTLINE	87.0 (W) × 60.0 (H) × 10.0/14.5MAX. (T)		*REFERENCE DIMENSIONAL OUTLINE
VIEWING AREA	61.8 (W) × 25.2 (H)	mm	
CHARACTER PITCH	3.55 (W) × 5.35 (H)		
CHARACTER SIZE	2.95 (W) × 4.75 (H)		
NUMBER OF CHARACTERS	16 CHARACTERS × 4 LINES	-	
DOT PITCH	0.60 (W) × 0.60 (H)	mm	
DOT SIZE	0.55 (W) × 0.55 (H)	mm	

## 4. ELECTRICAL CHARACTERISTICS (Ta=25°C, V<sub>DD</sub>=5.0V ± 0.25V)

ITEM	SYMBOL	CONDITION	MIN	TYPE	MAX.	UNIT
INPUT HIGH VOLTAGE	V <sub>IH</sub>	-	2.2V	-	V <sub>DD</sub>	V
INPUT LOW VOLTAGE	V <sub>IL</sub>	-	-0.3	-	0.6	V
OUTPUT HIGH VOLTAGE	V <sub>OH</sub>	-I <sub>OH</sub> =0.1mA	2.4	-	-	
OUTPUT LOW VOLTAGE	V <sub>OL</sub>	I <sub>OL</sub> =0.1mA	-	-	0.4	
SUPPLY CURRENT	I <sub>DD</sub>	V <sub>DD</sub> =5.0V	-	3.0	5.0	mA
OPERATING VOLTAGE FOR LCD	V <sub>DD</sub> -V <sub>O</sub>	Ta=25°C	STN	-	4.5	V
			TN	-	4.5	V