

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	01/06/18	NLV	NEW RELEASE

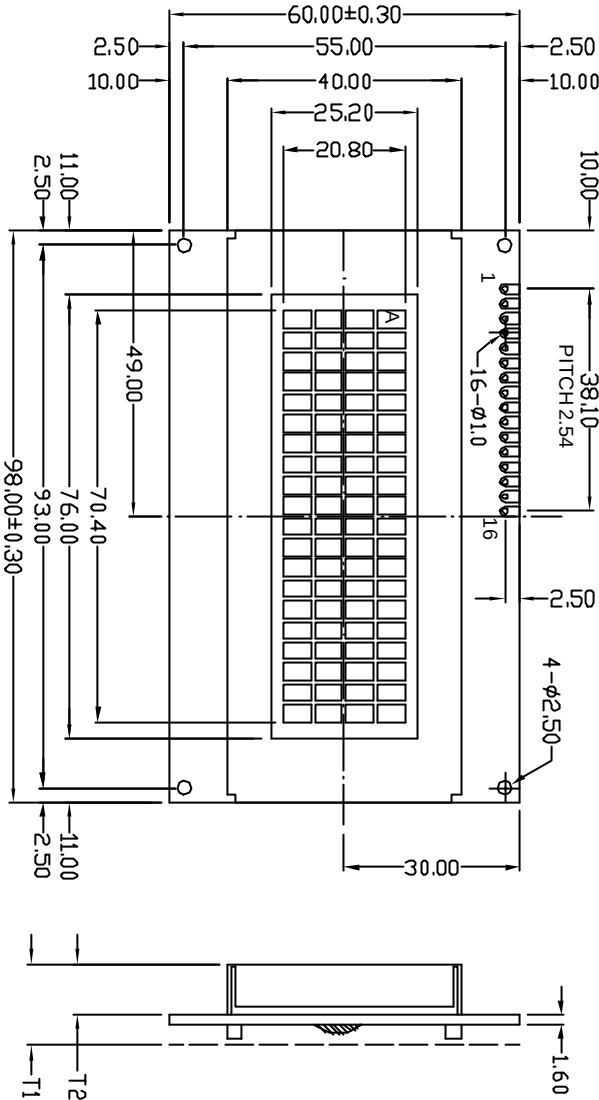
PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	VSS POWER SUPPLY
2	VDD POWER SUPPLY
3	V0 OPERATING VOLTAGE FOR LCD
4	RS DATA/INSTRUCTION SELECT
5	R/W READ/WRITE CONTROL
6	E ENABLE SIGNAL
7-14	DB0-DB7 DATA BUS
15	LED + POWER SUPPLY FOR LED BACKLIGHT (+)
16	LED - POWER SUPPLY FOR LED BACKLIGHT (-)

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY(LCD DRV)	VDD-V0	-0.3	13.5	V
INPUT VOLTAGE	VI	-0.3	VDD	V

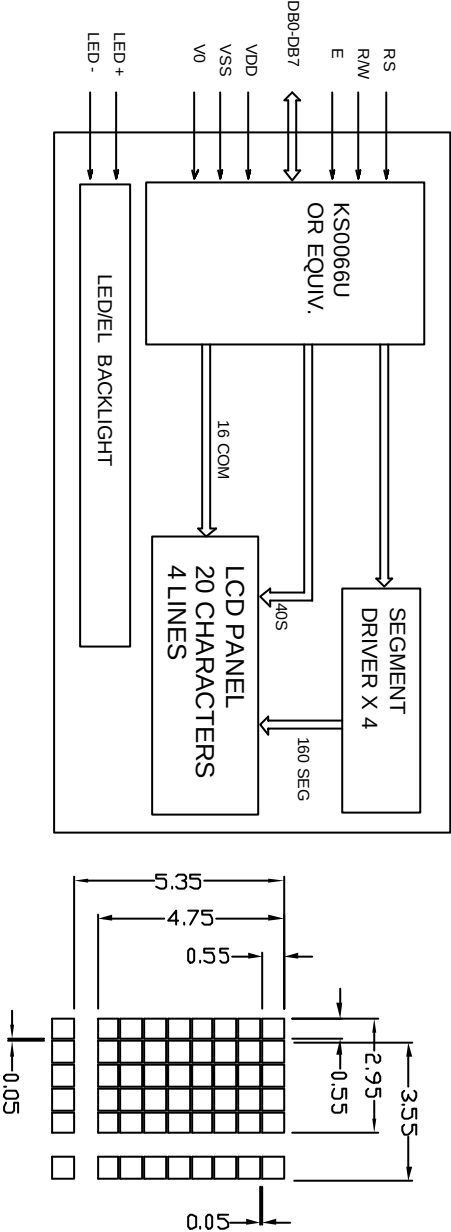
ELECTRICAL CHARACTERISTICS (VDD=5.0±0.25V, 25°C)				
ITEM	SYMBOL	MIN	TYP	MAX
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25
SUPPLY CURRENT	IDD	-	1.0	2.2
				mA
VOLTAGE FOR LCD	VDD-V0	4.7	4.9	5.1
				V
INPUT VOLTAGE				
	L	VIL	2.2	VDD
	H	VIH	-0.3	-
				0.6
				V
OUTPUT VOLTAGE				
	L	VOL	2.4	-
				-
				0.4
				V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	98.0W x 60.0H x 14.0T(10.0T)	MM
VIEWING AREA	76.0W x 25.2H	MM
CHARACTERS	20 CHARACTERS X 4 LINES	
CHARACTER SIZE	2.95W x 4.75H	MM
CHARACTER PITCH	3.55W x 5.35H	MM

OPTIONS	
1. LCD TYPE: Y/G STN, GRAY STN, TN	
2. BACKLIGHT: WITHOUT BACKLIGHT, LED, EL	
3. COLOR OF BACKLIGHT: Y/G: BLUE, WHITE	
4. TEMPERATURE RANGE: NORMAL(0~50C) EXTENDED(20~70C)	
5. POWER SUPPLY: 5.0V, 3.0V	
6.VIEWING ANGLE: 6H: 12H	
7. CHARACTER TABLE: JAPANESE, EUROPEAN, CYRILLIC	



* FOR LED BACKLIGHT
T1=14.0MAX T2=9.0±0.3
* FOR EL OR NO BACKLIGHT
T1=10.0MAX T2=5.0±0.3



NLV-C2041A

20 CHARACTERS X 4 LINES



ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.2
UNLESS OTHERWISE NOTED.

