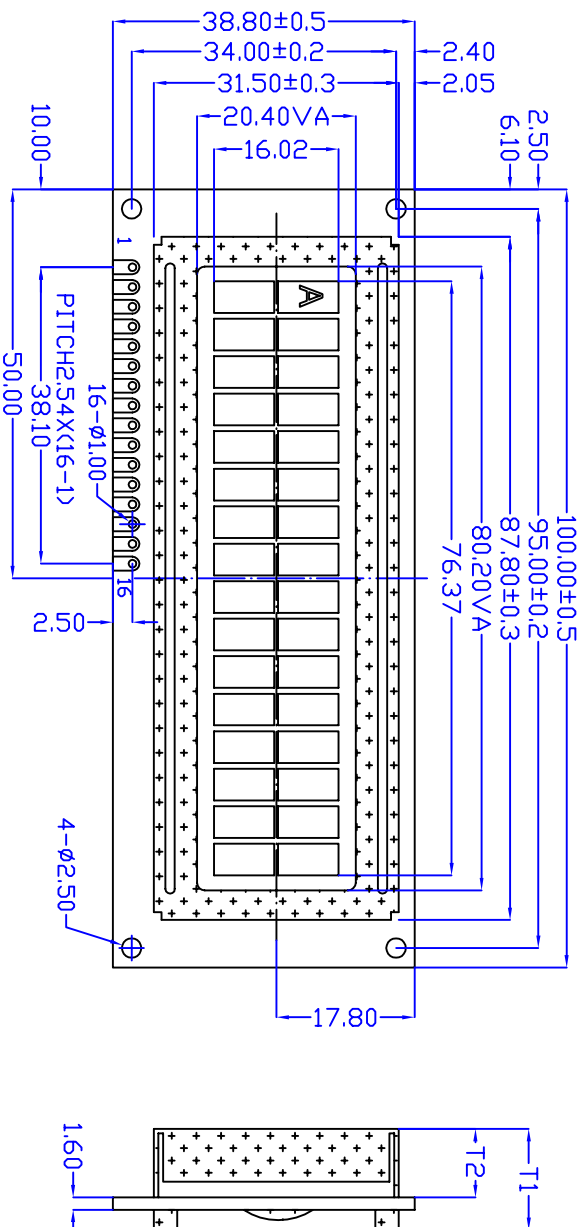
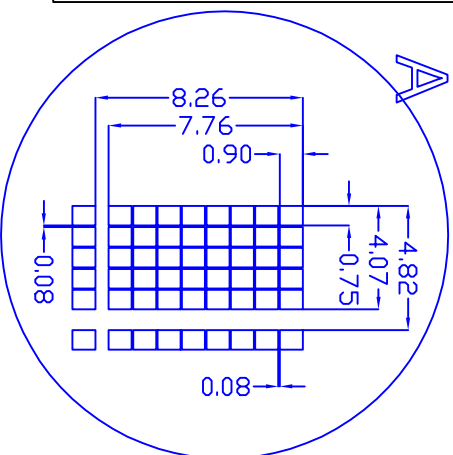
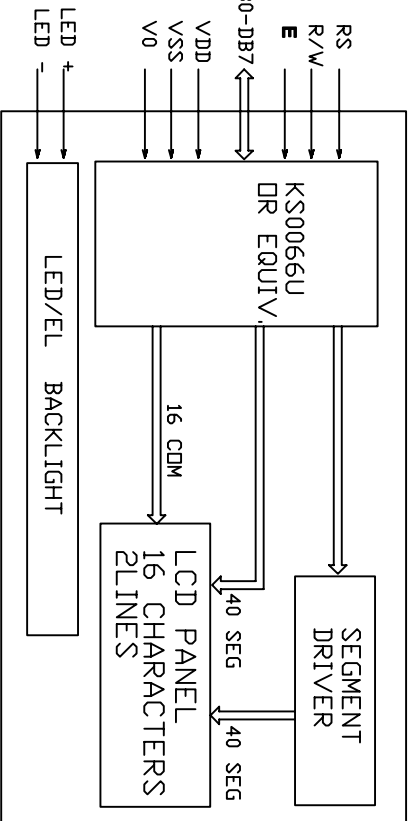




* FOR LED BACKLIGHT
T1=14.0MAX T2=9.0±0.3
* FOR EL OR NO BACKLIGHT
T1=10.0MAX T2=5.0±0.3



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(VDD)	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 UNIT
VOLTAGE FOR LOGIC(VDD-VSS)	4.75	5.0	5.25 V
SUPPLY CURRENT	IDD	-	1.3 2.2 mA
VOLTAGE FOR LCD	VDD-V0	-	4.6 V
INPUT VOLTAGE	VIH	2.2	VDD V
	VIL	-0.3	0.6 V
OUTPUT VOLTAGE	VOH	2.4	V
	VOL	-	0.4 V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	100.0W x 38.8H x 14.0T(10.0T)	MM
VIEWING AREA	80.2W x 20.4H	MM
CHARACTERS	16 CHARACTERS x 2 LINES	MM
CHARACTER SIZE	4.07W x 7.76H	MM
CHARACTER PITCH	4.82W x 8.26H	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--50°C) EXTENDED(-20--70°C)
5. POWER SUPPLY:	5.0V, 3.0V
6. VIEWING ANGLE:	6H, 12H
7. CHARACTER TABLE:	JAPANESE, EUROPEAN, CYRILLIC

NT-C16216A

16 CHARACTERS X 2 LINES



ALL DIMENSIONS ARE IN MM. TOLERANCE IS ±0.2
UNLESS OTHERWISE NOTED.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	03/07/10	A.C.H	NEW RELEASE