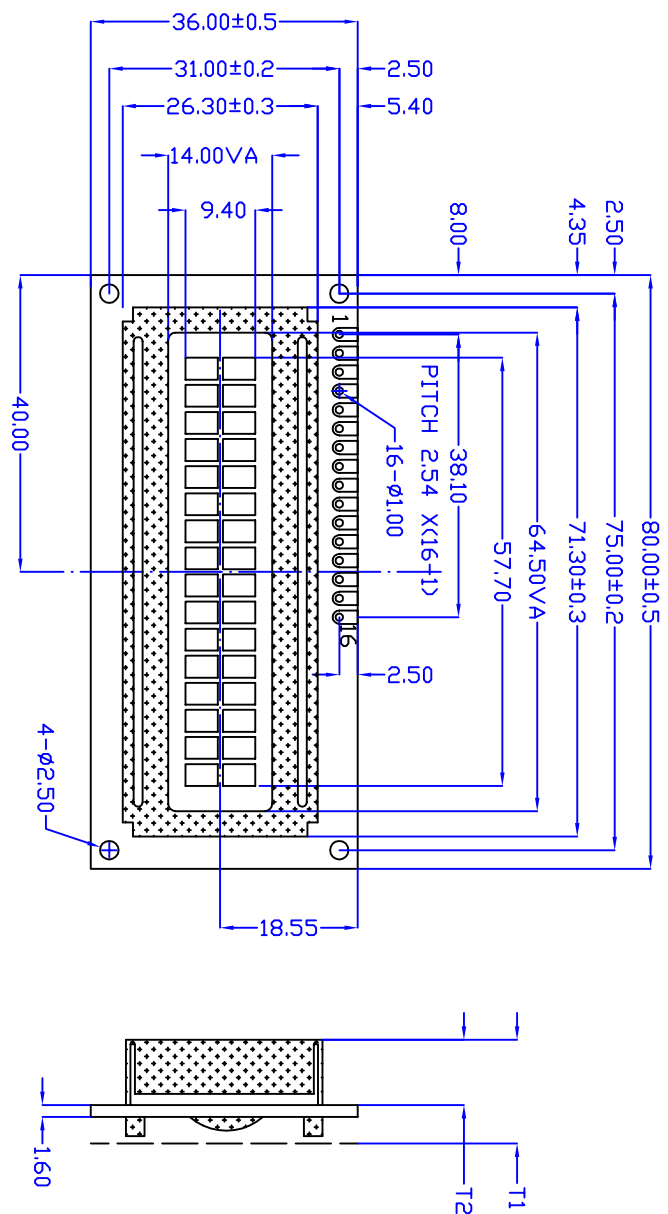
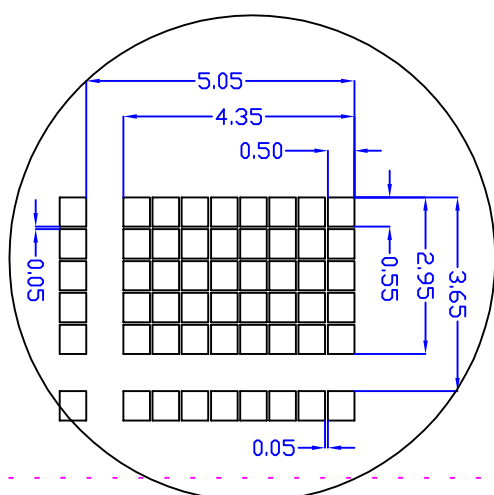
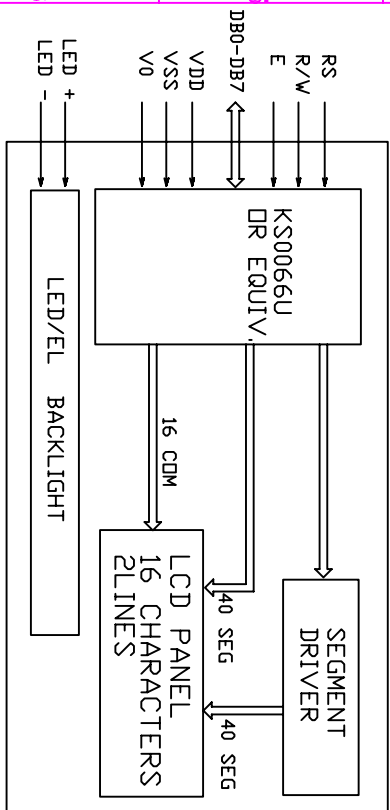




* FOR LED BACKLIGHT
T1=14.0MAX T2=9.0±0.3
* FDR EL OR NO BACKLIGHT
T1=10.0MAX T2=5.0±0.3



PINS ASSIGNMENT		
NO.	SYMBOL	DESCRIPTION
1	VSS	POWER SUPPLY
2	VDD	POWER SUPPLY
3	VO	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(VDDIC)	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	V
SUPPLY CURRENT	IDD	-	1.3	2.2 mA
VOLTAGE FOR LCD (VDD-V0)	4.6	-	-	V
INPUT VOLTAGE	VI	2.2	-	VDD
INPUT VOLTAGE	VIL	-0.3	-	0.6 V
OUTPUT VOLTAGE	VOH	2.4	-	V
OUTPUT VOLTAGE	VOL	-	-	0.4 V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0V x 36.0H x 14.0T(10.0T)	MM
VIEWING AREA	64.5V x 14.0H	MM
CHARACTERS	16 CHARACTERS x 2 LINES	MM
CHARACTER SIZE	2.95V x 4.35H	MM
CHARACTER PITCH	3.65V x 5.35H	MM

OPTIONS	
1. LCD TYPE:	V/G STN, GRAY STN, TN
2. BACKLIGHT:	WITHOUT BACKLIGHT, LED, EL
3. COLOR OF BACKLIGHT:	V/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

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	01/08/27	GF,ZH	NEW RELEASE

NT-C1622A

16 CHARACTERS X 2 LINES



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