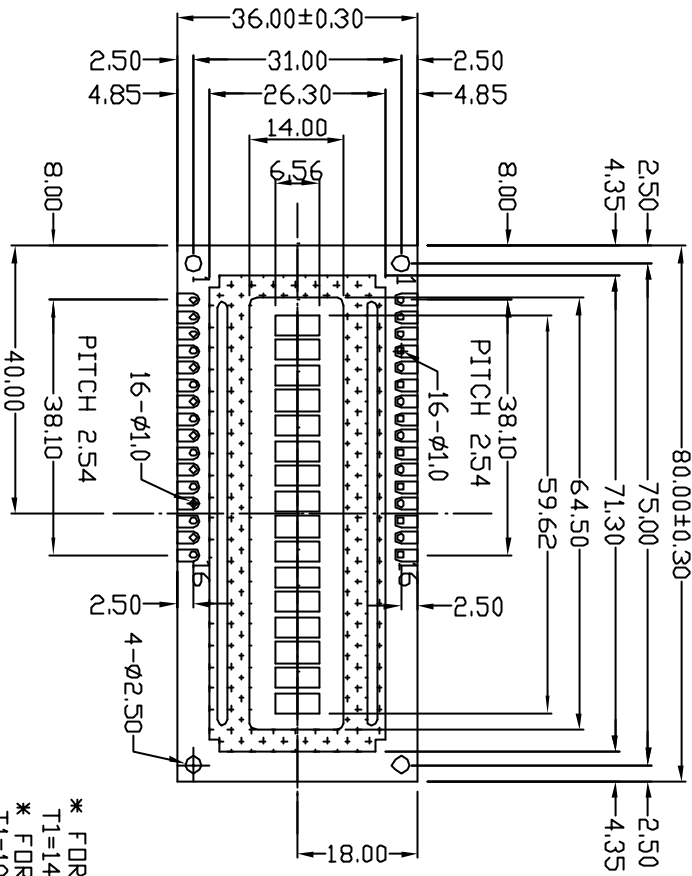
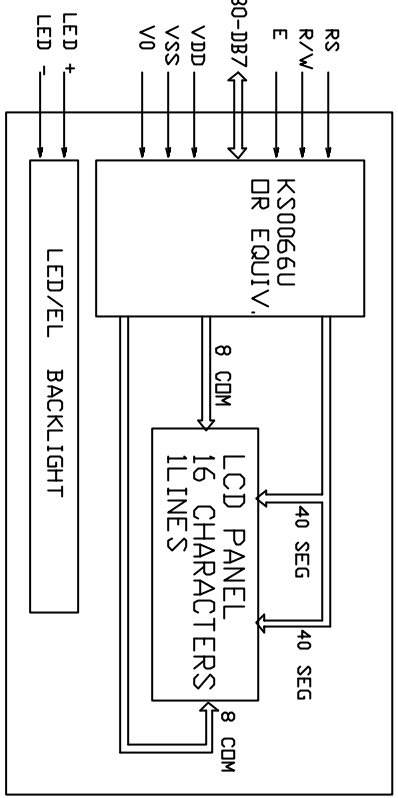


REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	01/09/18	ACh	NEW RELEASE



* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL OR ND 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
POWER SUPPLY (LOGIC)	VDD-VSS	-0.3	7.0
POWER SUPPLY (LCD DRV.)	VDD-V0	-0.3	13.3
INPUT VOLTAGE	V _I	-0.3	VDD

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	1.2
VOLTAGE FOR LCD	VDD-V0	-	4.6	-
INPUT VOLTAGE	L	2.2	-	VDD
	H	-0.3	-	0.6
OUTPUT VOLTAGE	L	-	2.4	-
	V0L	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0W x 36.0H x 14.0T (Q001?)	MM
VIEWING AREA	64.5V x 14.4H	MM
CHARACTERS	16 CHARACTERS X 1 LINES	MM
CHARACTER SIZE	3.07V x 6.56H	MM
CHARACTER PITCH	3.70V x 6.56H	MM

OPTIONS	
1. LED TYPE:	Y/G STN/ GRAY STN/ TN
2. BACKLIGHT:	VITHOUT 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

NT-C1613A

16 CHARACTERS X 1 LINE



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

