

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

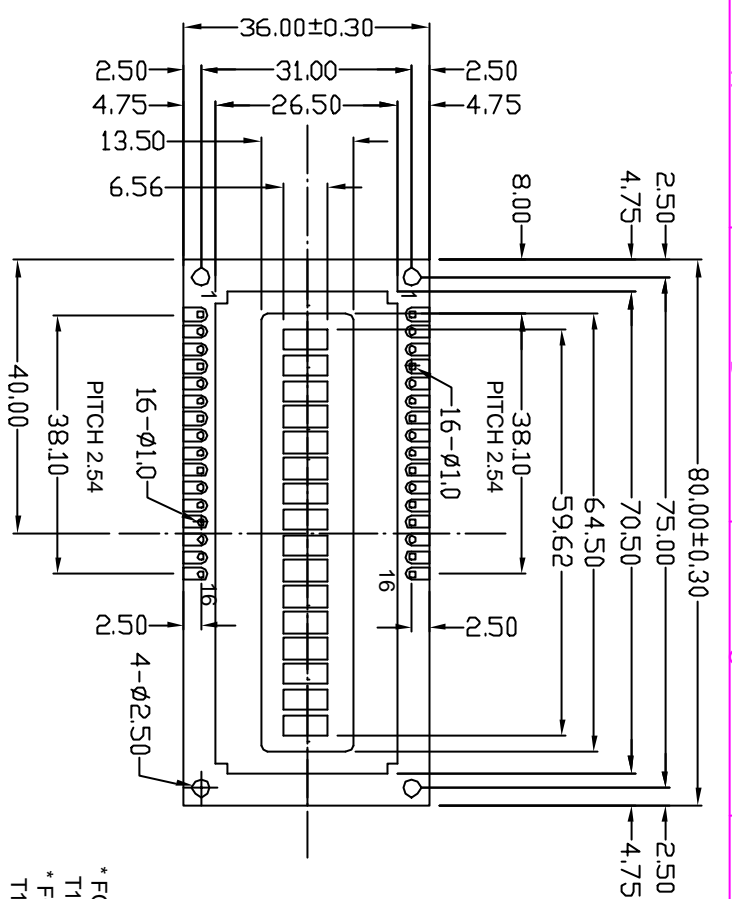
PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	VSS POWER SUPPLY
2	VDD POWER SUPPLY
3	V0 OPERATING VOLTAGE FOR LCD
4	RS DATA/INSTRUCTION SELECT
5	R/W READ/WRITE CONTROL
6	E ENABLE SIGNAL
7-14	DB0-DB7 DATA BUS
15	LED+ POWER SUPPLY FOR LED BACKLIGHT (+)
16	LED- POWER SUPPLY FOR LED BACKLIGHT (-)

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

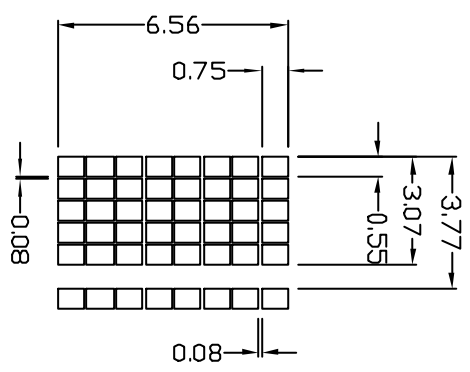
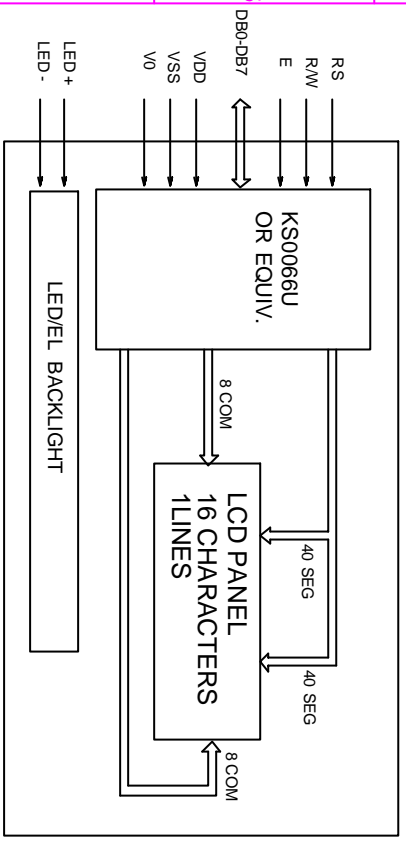
ELECTRICAL CHARACTERISTICS (VDD=5.0±0.25V, 25°C)				
ITEM	SYMBOL	MIN	TYP	MAX
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25
SUPPLY CURRENT	IDD	-	1.0	1.2
VOLTAGE FOR LCD	VDD-V0	4.7	4.9	5.1
INPUT VOLTAGE	V _{IH}	2.2	-	VDD
	V _{IL}	-0.3	-	0.6
OUTPUT VOLTAGE	V _{OH}	2.4	-	V
	V _{OL}	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0W x 36.0H x 14.0T(10.0T)	MM
VIEWING AREA	64.5W x 13.5H	MM
CHARACTERS	16 CHARACTERS x 1 LINES	
CHARACTER SIZE	3.07W x 6.56H	MM
CHARACTER PITCH	3.77W x 6.56H	MM

OPTIONS	
1.	LCD TYPE: Y/G STN. GRAY STN. TN
2.	BACKLIGHT: WITHOUT BACKLIGHT; LED; EL
3.	COLOR OF BACKLIGHT: YG; 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=14.0MMAX T2=9.0±0.3
 * FOR EL OR NO BACKLIGHT
 T1=10.0MMAX T2=5.0±0.3



NT-C1611A

16 CHARACTERS X 2 LINES



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

