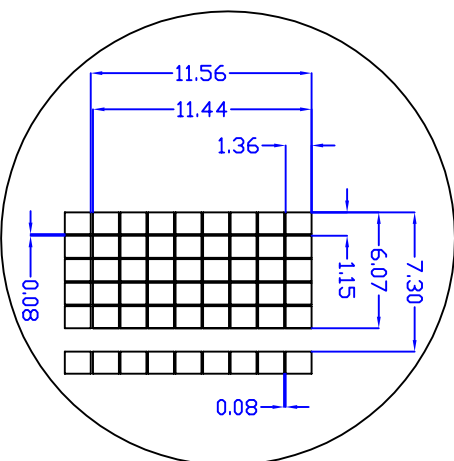
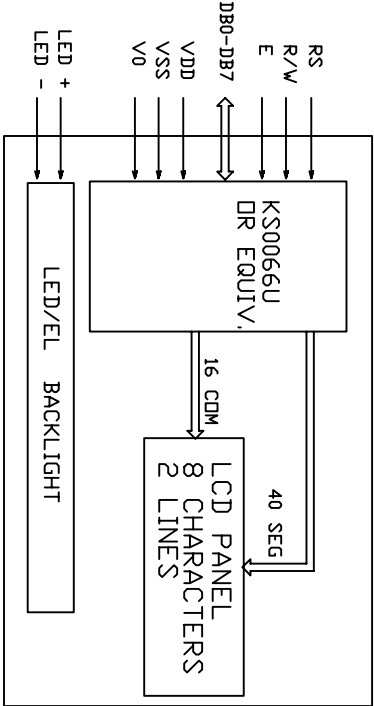


* FOR LED BACKLIGHT T1=14.0MAX T2=9.0±0.3
 * FOR EL DR ND BACKLIGHT T1=10.0MAX T2=5.0±0.3



PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	VSS POWER SUPPLY
2	VDD POWER SUPPLY
3	V/O 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(VLOGIC)	VDD-VSS	-0.3	7.0
POWER SUPPLY(LCD DRV)	VDD-V0	-0.3	13.5
INPUT VOLTAGE	V1	-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	1.3
VOLTAGE FOR LCD	VDD-V0	-	4.6	-
INPUT VOLTAGE	V1	2.2	-	VDD
	VIL	-0.3	-	0.6
OUTPUT VOLTAGE	VH	-	2.4	-
	VL	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	84.0W x 44.0H x 14.0T(10.0T)	MM
VIEWING AREA	63.0W x 25.0H	MM
CHARACTERS	8 CHARACTERS x 2 LINES	MM
CHARACTER SIZE	6.07W x 11.44H	MM
CHARACTER PITCH	7.30W x 11.56H	MM

OPTIONS	
1. LCD TYPE:	V/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	

REVISIONS		
NO.	DATE	BY
1	01/07/12	A.CH

DESCRIPTION
NEW RELEASE

NT-C0822A

8 CHARACTERS X 2 LINES



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

NELY, YOUR SUPPLIER, AND YOUR PARTNER!