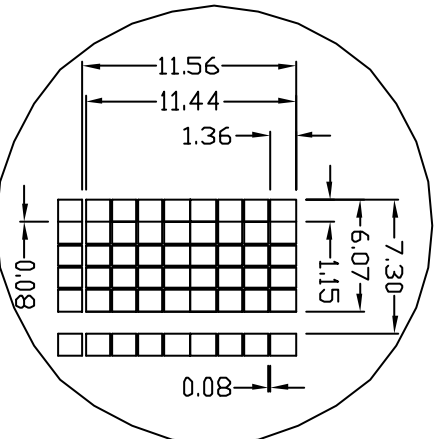
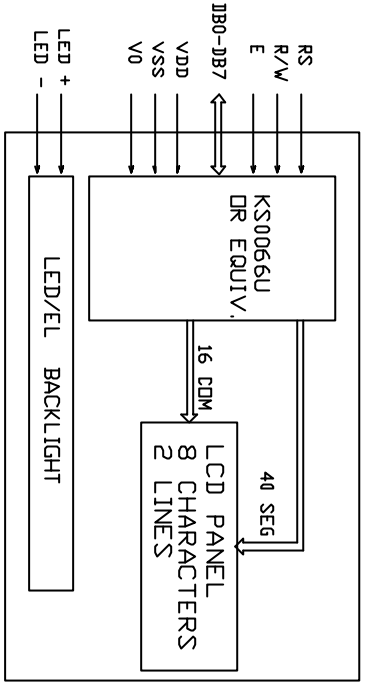


* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL DR ND BACKLIGHT
 T1=10.0MAX T2=5.0±0.3



NT-C0822A

8 CHARACTERS X 2 LINES



NELY, YOUR SUPPLIER, AND YOUR PARTNER!

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

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

PINS ASSIGNMENT			
NO.	SYMBOL	DESCRIPTION	UNIT
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 VOLTAGE	VDD-VSS	-0.3	7.0
POWER SUPPLY (LCD DRV.)	VDD-V0	-0.3	13.5
INPUT VOLTAGE	VI	-0.3	VDD

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	-	1.0	1.3	mA
VOLTAGE FOR LCD	VDD-V0	-	4.6	-	V
INPUT VOLTAGE	VI	2.2	-	VDD	V
	VH	-	-0.3	-	V
	VIL	-	-	0.6	V
OUTPUT VOLTAGE	VOH	2.4	-	-	V
	VOL	-	-	0.4	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	84.0W x 44.0H x 14.0(T)0.0(T)	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	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