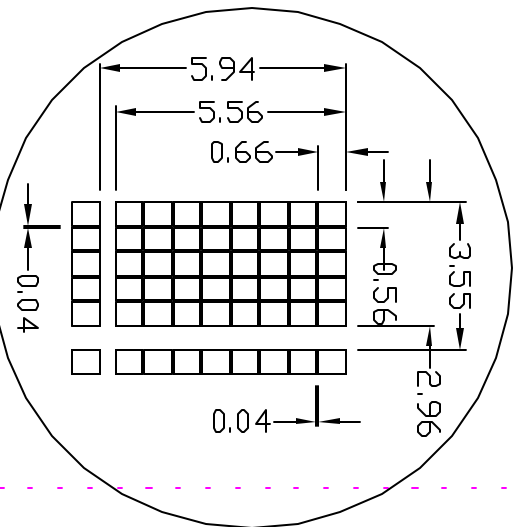
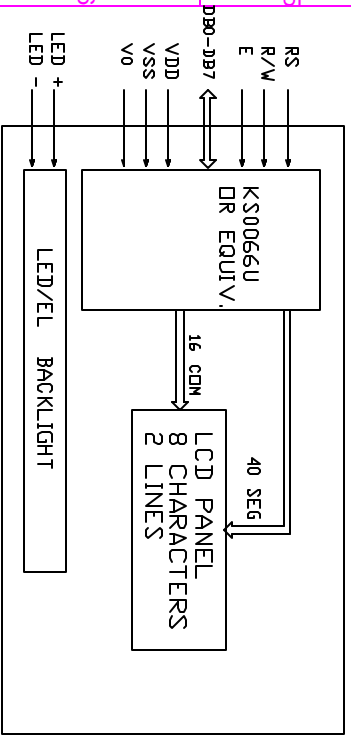


\* FOR LED BACKLIGHT  
 T1=14.0MAX T2=9.0±0.3  
 \* FOR EL OR NO BACKLIGHT  
 T1=10.0MAX T2=5.0±0.3



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	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	
A		POWER SUPPLY FOR LED BACKLIGHT (+)	
K		POWER SUPPLY FOR LED BACKLIGHT (-)	

ABSOLUTE MAXIMUM RATING			
ITEM	SYMBOL	MIN	MAX
POWER SUPPLY(VDD)	VDD-VSS	-0.3	7.0
POWER SUPPLY(LCD)	DRYVDD-V0	-0.3	13.5
INPUT VOLTAGE	VI	-0.3	VDD

ELECTRICAL CHARACTERISTICS (VDD=5.0V±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	VIH	2.2	-	VDD
	VIL	-0.3	-	0.6
OUTPUT VOLTAGE	VOH	2.4	-	-
	VOL	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	58.0W x 32.0H x 14.0(TCD.0)D	MM
VIEWING AREA	38.0W x 16.0H	MM
CHARACTERS	8 CHARACTERS x 2 LINES	MM
CHARACTER SIZE	2.96W x 5.56H	MM
CHARACTER PITCH	3.55W x 5.94H	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:	50V, 3.0V
6. VIEWING ANGLE:	6H, 12H
7. CHARACTER TABLE:	JAPANESE, EUROPEAN, CYRILLIC

NT-C0821A

8 CHARACTERS X 1 LINES



NELY, YOUR SUPPLIER, AND YOUR PARTNER!

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

