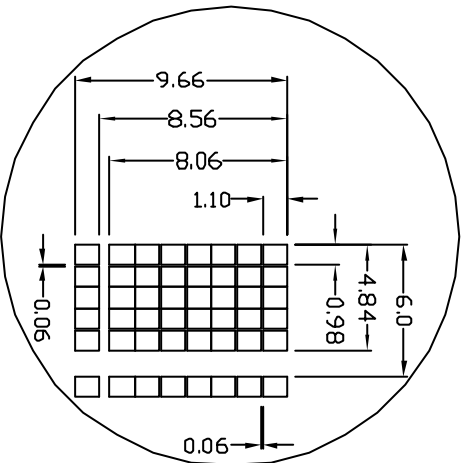
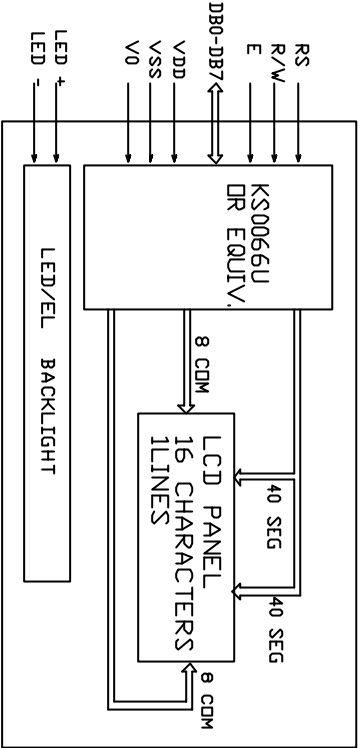


* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL OR ND BACKLIGHT
 T1=10.0MAX T2=5.0±0.3



NT-C1612A

16 CHARACTERS X 1 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/C	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	VI	-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	VI	2.2	-	VDD
	VL	-0.3	-	0.6
OUTPUT VOLTAGE	VOH	2.4	-	-
	VOL	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	122.0W x 33.0H x 14.4(T)±0.017	MM
VIEWING AREA	99.0W x 13.0H	MM
CHARACTERS	16 CHARACTERS x 1 LINES	MM
CHARACTER SIZE	4.94W x 9.66H	MM
CHARACTER PITCH	6.0W x 9.66H	MM

OPTIONS		
NO.	DESCRIPTION	UNIT
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	