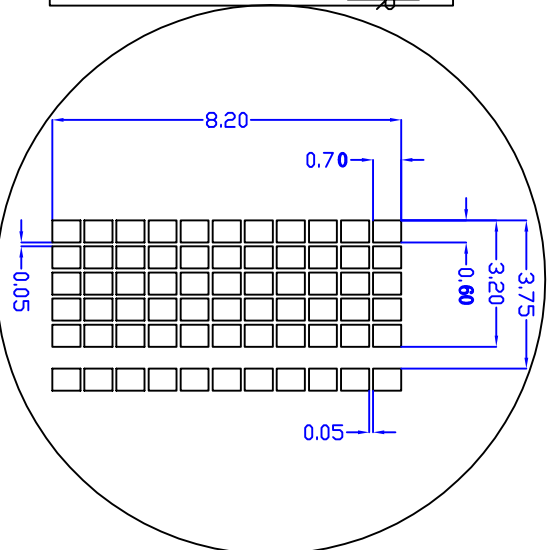
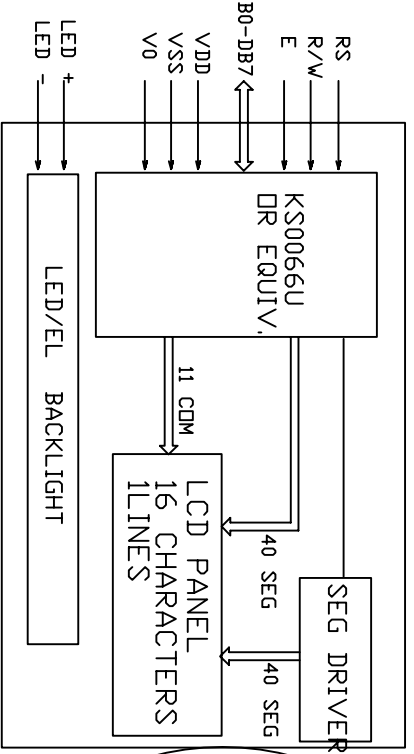


* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL DR ND BACKLIGHT
 T1=10.0MAX T2=5.0±0.3



NT-C1616A

16 CHARACTERS X 1 LINES



NELY, YOUR SUPPLIER, AND YOUR PARTNER!

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

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	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY (LCD DRV.)	VDD-V0	-0.3	13.5	V
INPUT VOLTAGE	VI	-0.3	VDD	V

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	1.2	mA
VOLTAGE FOR LCD	VDD-V0	-	4.5	-	V
INPUT VOLTAGE	H VIH	2.2	-	VDD	V
	L VIL	-0.3	-	0.6	V
OUTPUT VOLTAGE	H VOH	2.4	-	-	V
	L VOL	-	-	0.4	V

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0W x 36.0H x 14.0T(10.0T)	MM
VIEWING AREA	64.5W x 14.0H	MM
CHARACTERS	16 CHARACTERS x 1 LINES	MM
CHARACTER SIZE	3.20W x 8.20H	MM
CHARACTER PITCH	3.75W x 8.20H	MM

OPTIONS

- LCD TYPE: Y/G STN, GRAY STN, TN
- BACKLIGHT: WITHOUT BACKLIGHT, LED, EL
- COLOR OF BACKLIGHT: Y/G, BLUE, WHITE
- TEMPERATURE RANGE: NORMAL(0--50C) EXTENDED(-20--70C)
- POWER SUPPLY: 5.0V, 3.0V
- VIEWING ANGLE: 6H, 12H
- CHARACTER TABLE: JAPANESE, EUROPEAN, CYRILLIC
- ROHS COMPLIANT

REVISIONS		DESCRIPTION
NO.	DATE	BY
1	01/09/16	A.CH
2	08/09/08	Y.JL

NEW RELEASE
 ROHS