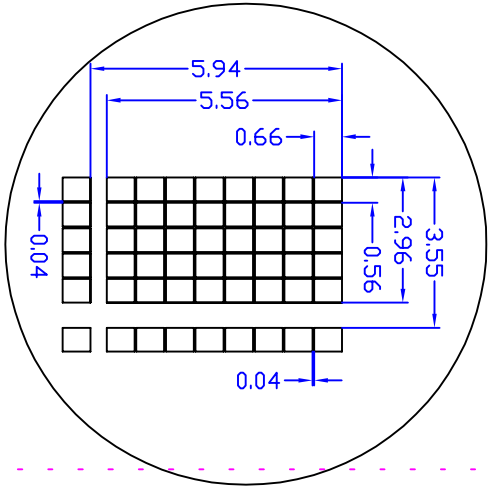
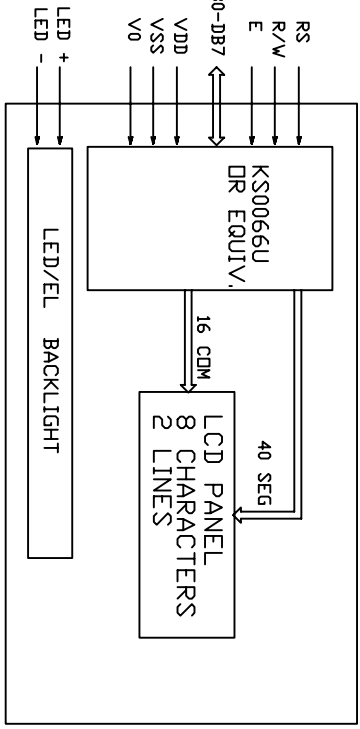


\* FOR LED BACKLIGHT  
 T1=14.0MAX T2=9.0±0.3  
 \* FOR EL OR ND BACKLIGHT  
 T1=10.0MAX T2=5.0±0.3



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
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(V0)	V0-VDD	-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	VIH	2.2	-	VDD	V
	VIL	-0.3	-	0.6	V
OUTPUT VOLTAGE	VOH	2.4	-	-	V
	VOL	-	-	0.4	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	58.0W x 32.0H x 14.0T(10.0T)	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**
- 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

NT-C0821A

8 CHARACTERS X 2 LINES



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

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/07/21	NEW RELEASE

NELY, YOUR SUPPLIER, AND YOUR PARTNER!