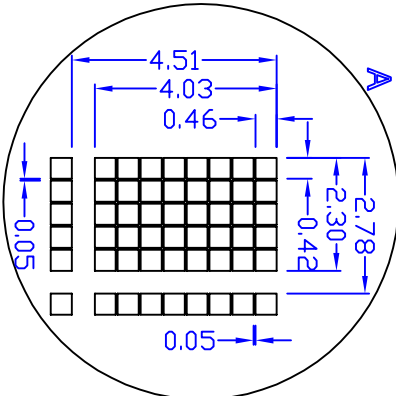
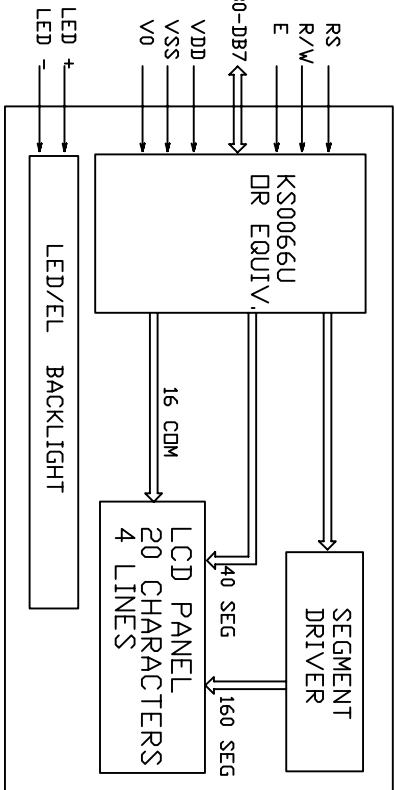


* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL DR NO BACKLIGHT
 T1=10.0MAX T2=5.0±0.3



NT-C2041A

20 CHARACTERS X 4 LINES



NFLY, YOUR SUPPLIER, AND YOUR PARTNER!

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/01/10	A.C.H	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
VOLTAGE FOR LOGIC	VDD-VSS	-0.3	7.0
POWER SUPPLY (LCD)	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	2.2
VOLTAGE FOR LCD	VDD-V0	-	4.8	-
INPUT VOLTAGE	L	VIL	-0.3	VDD
OUTPUT VOLTAGE	H	VOH	2.4	-
	L	VOL	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	77.0W x 47.0H x 13.5T(10.0T)	MM
VIEWING AREA	60.0W x 22.0H	MM
CHARACTERS	20 CHARACTERS x 4 LINES	MM
CHARACTER SIZE	2.30W x 4.03H	MM
CHARACTER PITCH	2.78W x 4.51H	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

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

