



* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL OR NO BACKLIGHT
 T1=11.0MAX T2=6.0±0.3

PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	VSS GROUND
2	VDD POWER SUPPLY FOR LOGIC AND LCD
3	V0 OPERATING VOLTAGE FOR LCD
4	A0 DATA/INSTRUCTION SELECT
5	E1 READ/WRITE ENABLE SIGNAL(MASTER)
6	E2 READ/WRITE ENABLE SIGNAL(SLAVE)
7-14	DB0--DB7 DATA BUS
15	A POWER SUPPLY FOR LED BACKLIGHT(+)
16	K POWER SUPPLY FOR LED BACKLIGHT(-)
17	R/W READ/WRITE SELECT
18	/RST RESET SIGNAL(LOW EFFECTIVE)

ABSOLUTE MAXIMUM RATING			
ITEM	SYMBOL	MIN	MAX UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	6.5 V
POWER SUPPLY(LCD DRV)	VDD-V0	0	10.0 V
INPUT VOLTAGE	V _I	V _I	VDD V

ELECTRICAL CHARACTERISTICS					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	300	500	µA
	IC	-	5.1	-	V
LCD OPERATING VOLTAGE	VDD-V0	-	4.9	-	V
	40C	-	4.7	-	V
INPUT VOLTAGE	L	0	0.8VDD	-	V
	V _I	0	0.2VDD	-	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	98.0W x 60.0H x 14.0T(10.0T)	MM
VIEWING AREA	76.0W x 25.2H	MM
DOT NUMBER	122 x 32	DOTS
DOT SIZE	0.53W x 0.61H	MM
DOT PITCH	0.57W x 0.65H	MM

OPTIONS	
1. LOD TYPE:	Y/G STN, GRAY STN, LED, EL
2. BACKLIGHT:	WITHOUT BACKLIGHT, LED, EL
3. COLOR OF BACKLIGHT:	Y/G, BLUE, WHITE
4. TEMPERATURE RANGE:	NORMAL(0--50C), EXTENDED(-20--70C)
5. POWER SUPPLY:	ON BOARD DC/DC(SINGLE 5.0V), DUAL POWER SUPPLY(5.0V & -5.0V)
6. VIEWING ANGLE:	6H: 12H

NT-G122323A

122 X 32 DOTS GRAPHIC LCM



NELY, YOUR SUPPLIER, AND YOUR PARTNER!

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

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/12/18	A.CH	NEW RELEASE