



\* FOR LED BACKLIGHT  
 TH1=14.0MAX TH2=9.0MAX  
 \* FOR EL OR NO BACKLIGHT  
 TH1=11.0MAX TH2=6.0MAX

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	01/06/18	CH	NEW RELEASE
2	05/02/22	CH	PINS DEF

PINS ASSIGNMENT

CN1 FOR BUILT-IN CONTROLLER		CN2 FOR DRIVER ONLY	
NO.	SYMBOL	NO.	SYMBOL
1	VSS	1	FLM
2	VDD	2	CP
3	V0	3	LP
4	RS	4	M
5	R/W	5	VDD
6	E	6	VSS
7-1#	DB0--DB7	7	VEE
15	/CS	8-11	DO--D3
16	/RES	12	VO
17	VEE	13	/DISPOFF
18	NC	14	A
19	A	15	K
20	K		

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	6.5	V
POWER SUPPLY(LED DRV.)	VDD-V0	0	18.0	V
INPUT VOLTAGE	VI	VI	VI	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	12.0	-	mA
LED OPERATING VOLTAGE	VDD-V0	-	15.0	-	V
	40C	-	14.0	-	V
INPUT VOLTAGE	VI	0.2VDD	-	VDD	V
	VIL	0	-	0.3VDD	V

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	144.0W x 104.0H x 14.0(T11.0T)	MM
VIEWING ANGLE	133.2Wx64.0H	MM
DOT NUMBER	240 x 128	DOTS
DOT SIZE	0.40W x 0.40H	MM
DOT PITCH	0.45W x 0.45H	MM

OPTIONS

1. LCD TYPE:	Y/G STN; GRAY STN; B/W FSTN
2. BACKLIGHT:	WITHOUT BACKLIGHT; LED; EL; CCFL
3. COLOR OF BACKLIGHT:	Y/G; BLUE; WHITE
4. TEMPERATURE RANGE:	NORMAL(0--50C)
5. POWER SUPPLY:	ON BOARD DC/DC(SINGLE 5.0V); DUAL POWER SUPPLY(5.0V & -10.0V)
6. VIEWING ANGLE:	6H; 12H

NT-G2401283A 240 X 128 DOTS GRAPHIC LCM



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

NELY, YOUR SUPPLIER, AND YOUR PARTNER!