



* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL DR ND BACKLIGHT
 T1=11.0MAX T2=6.0±0.3

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	02/04/19	ACH	NEW RELEASE

PINS ASSIGNMENT

NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	RS	DATA/INSTRUCTION SELECT
5	R/W	READ/WRITE SELECT
6	E	ENABLE SIGNAL
7-14	DB0-DB7	DATA BUS
15	CS1	CHIP SELECT OF IC1 (HIGH EFFECTIVE)
16	CS2	CHIP SELECT OF IC2 (HIGH EFFECTIVE)
17	/RST	RESET SIGNAL(LD/W EFFECTIVE)
18	VEE	DN CHIP DC/DIC OUTPUT(-5V)
19	A	POWER SUPPLY FOR LED BACKLIGHT(←)
20	K	POWER SUPPLY FOR LED BACKLIGHT(→)

ABSOLUTE MAXIMUM RATING

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

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC VDD-VSS					
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	5.1	9.8	mA
LCD OPERATING	IC	-	9.2	-	V
VOLTAGE	VDD-V0	-	9.0	-	V
VOLTAGE	V0	4.0	8.8	-	V
INPUT VOLTAGE	L	H	0.7VDD	-	V
INPUT VOLTAGE	L	VIL	0	0.3VDD	V

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	78.0W x 70.0H x 14.0T(±1.0T)	MM
VIEWING AREA	62.0W x 44.0H	MM
DOT NUMBER	128 x 64	DOTS
DOT SIZE	0.39W x 0.55H	MM
DOT PITCH	0.44W x 0.60H	MM

OPTIONS

- LCD TYPE: Y/G STN/ GRAY STN/ B/W FSTN
- BACKLIGHT: WITHOUT BACKLIGHT/ LED/ EL
- COLOR OF BACKLIGHT: Y/G/ BLUE/ WHITE
- TEMPERATURE RANGE: NORMAL(0--50C) EXTENDED(-20--70C)
- POWER SUPPLY: DN BOARD DC/DC(SINGLE 5.0V), DUAL POWER SUPPLY(5.0V & -5.0V)
- VIEWING ANGLE: 6H/ 12H

NT-G128642A

128 X 64 DOTS GRAPHIC LCM



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

NELY, YOUR SUPPLIER, AND YOUR PARTNER!