



REVISIONS

NO.	DATE	BY	DESCRIPTION
1	02/07/25	H.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	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY (LCD DRV.)	VDD-V0	-0.3	13.5	V
INPUT VOLTAGE	VI	-0.3	VDD	V

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	2.2	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	191.0W x 86.0H x 22.0T	MM
VIEWING AREA	143.0W x 57.0H	MM
CHARACTERS	20 CHARACTERS x 4 LINES	
CHARACTER SIZE	5.66W x 9.80H	MM
CHARACTER PITCH	6.86W x 11.30H	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-C2044A

20 CHARACTERS X 4 LINES



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

NELY, YOUR SUPPLIER, AND YOUR PARTNER!