



REVISIONS

NO.	DATE	BY	DESCRIPTION
1	10/10/22	NLV	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	A	POWER SUPPLY FOR LED BACKLIGHT(+4.2V)
16	K	POWER SUPPLY FOR LED BACKLIGHT(0V)

ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY (LCD DRV.)	V0-VSS	-0.3	6.7	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	1.2	mA
VOLTAGE FOR LCD	V0-VSS	-	4.8	-	V
INPUT VOLTAGE	VI	2.2	-	VDD	V
	LI	-0.3	-	0.6	V
OUTPUT VOLTAGE	VOH	2.4	-	-	V
	LO	-	-	0.4	V

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	85.0W x 36.0H x 13.2T	MM
VIEWING AREA	65.0W x 16.0H	MM
RESOLUTION	144 x 32	DOTS
DOT SIZE	0.38W x 0.38H	MM
DOT PITCH	0.42W x 0.426H	MM

- OPTIONS
- LCD TYPE: YELLOW/GREEN STN, TRANSPARENT
 - BACKLIGHT: BOTTOM LED
 - COLOR OF BACKLIGHT: YELLOW/GREEN
 - OPERATING TEMPERATURE RANGE: -20--+70C
 - STORAGE TEMPERATURE RANGE: -30--+80C
 - POWER SUPPLY: 5.0V1
 - VIEWING ANGLE: 6 O'CLOCK

NLV-G144322A

144 X 32 GRAPHICS LCD MODULE



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

NLV, YOUR SUPPLIER, AND YOUR PARTNER!