



NT-G128322A

128 X 32 DOTS

NELY, YOUR SUPPLIER, AND YOUR PARTNER!



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

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	09/06/25	JACH	NEW RELEASE

PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	V0 CONTRAST ADJUST
2	VR CONTRAST ADJUST
3	VSS POWER SUPPLY
4	VDD POWER SUPPLY
5	NC NO CONNECTION
6	RS(CS) DATA/INSTRUCTION SELECT
7	R/W(SID) CHIP SELECTION FOR SERIAL MODE
8	ESCLK SERIAL DATA INPUT FOR SERIAL MODE
9-16	DB0-DB7 SERIAL CLOCK INPUT FOR SERIAL MODE
17	PSB DATA BUS IN PARALLEL INTERFACE
18	/RST NOT USED IN SERIAL MODE/PULL HIGH
19	K PARALLEL/SERIAL SELECT
20	A RESET SIGNAL (LOW EFFECTIVE)
	BACKLIGHT DRIVING -
	BACKLIGHT DRIVING +

ABSOLUTE MAXIMUM RATING			
ITEM	SYMBOL	MIN	MAX
POWER SUPPLY(V _{DD} (C))	VDD-VSS	-0.3	7.0
POWER SUPPLY(V _{CC} DRV)	VDD-V0	-0.3	13.5
INPUT VOLTAGE	V _I	-0.3	V _{DD}

ELECTRICAL CHARACTERISTICS (V _{DD} =5.0V±0.25V, 25°C)				
ITEM	SYMBOL	MIN	TYP	MAX
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25
SUPPLY CURRENT	I _{DD}	-	1.3	2.2
INPUT VOLTAGE	V _{IH}	2.2	-	V _{DD}
	V _{IL}	-0.3	-	0.6
OUTPUT VOLTAGE	V _{OH}	2.4	-	-
	V _{OL}	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0V x 36.0H x 13.5T	MM
VIEWING AREA	60.5W x 18.5H	MM
DOT NUMBER	128V X 32H	MM
DOT SIZE	0.40W X 0.40H	MM
DOT PITCH	0.44V X 0.44H	MM

- OPTIONS
- LCD TYPE: Y/G STN, GRAY STN,
 - BACKLIGHT: WITHOUT BACKLIGHT, LED, EL
 - COLOR OF BACKLIGHT: Y/G, BLUE, WHITE
 - TEMPERATURE RANGE: NORMAL(-20---50C) EXTENDED(-20---70C)
 - POWER SUPPLY: 5.0V, 3.0V
 - VIEWING ANGLE: 6H, 12H
 - CHARACTER TABLE: MADARINK(SIMPLE) CHINESE