



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	03/06/06	AGH	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 CHIP SELECTION FOR SERIAL MODE
7	R/W(SID)	READ/WRITE CONTROL SERIAL DATA INPUT FOR SERIAL MODE
8	ES(CLK)	ENABLE SIGNAL SERIAL CLOCK INPUT FOR SERIAL MODE
9-16	DB0--DB7	DATA BUS IN PARALLEL INTERFACE NOT USED IN SERIAL MODE/PULL HIGH
17	PSB	PARALLEL/SERIAL SELECT
18	/RST	RESET SIGNAL (LOW EFFECTIVE)
19	K	BACKLIGHT DRIVING -
20	A	BACKLIGHT DRIVING +

ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(VLOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY(VLCD 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	-	1.3	2.2	mA
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	80.0W x 36.0H x 13.5T	MM
VIEWING AREA	60.5W x 18.5H	MM
DOT NUMBER	128W X 32H	MM
DOT SIZE	0.40W X 0.40H	MM
DOT PITCH	0.44W 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: ND(RMAL(-0--50C) EXTENDED(-20--70C)
  - POWER SUPPLY: 5.0V, 3.0V
  - VIEWING ANGLE: 6H, 12H
  - CHARACTER TABLE: MADARINK(SIMPLE) CHINESE