



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(STD) READ/WRITE CONTROL SERIAL DATA INPUT FOR SERIAL MODE
8	E(SCLK) 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
POWER SUPPLY(VDD)	VDD-VSS	-0.3	7.0
POWER SUPPLY(VDD DRV)	VDD-V0	-0.3	13.5
INPUT VOLTAGE	VI	-0.3	VDD

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	H	VH	2.2	-	V
	L	VL	-0.3	-	0.6
OUTPUT VOLTAGE	H	VoH	2.4	-	V
	L	Vol	-	-	0.4

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0V x 36.0H x 13.5T	MM
VIEWING AREA	60.5V x 18.5H	MM
DOT NUMBER	128V X 32H	MM
DOT SIZE	0.40V 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(0--50C) EXTENDED(-20--70C)
 - POWER SUPPLY: 5.0V; 3.0V
 - VIEWING ANGLE: 6H; 12H
 - CHARACTER TABLE: MADARIN(SIMPLE) CHINESE

REVISIONS		
NO.	DATE	BY
1.	09/06/26	NLV
DESCRIPTION		
NEW RELEASE		

NLV-G128321A 128 X 32 DOTS

奈立微科技有限公司

NLV, YOUR SUPPLIER, AND YOUR PARTNER!

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

