



REVISIONS			DESCRIPTION
NO.	DATE	BY	DESCRIPTION
1	01/06/18	A.CH	NEW RELEASE

PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	LED + POWER SUPPLY FOR LED BACKLIGHT (+)
2	LED - POWER SUPPLY FOR LED BACKLIGHT (-)
3	VSS POWER SUPPLY
4	VDD POWER SUPPLY
5	V0 CONTRAST ADJUST
6	RS DATA/INSTRUCTION SELECT(CHIP SELECTION)
7	R/W READ/WRITE CONTROL(SERIAL DATA INPUT/OUTPUT)
8	E ENABLE SIGNAL(SERIAL CLOCK SIGNAL)
9-16	DB0-DB7 DATA BUS IN PARALLEL INTERFACE
17	LED + POWER SUPPLY FOR LED BACKLIGHT (+)
18	LED - POWER SUPPLY FOR LED BACKLIGHT (-)
19	VSS POWER SUPPLY
20	VDD POWER SUPPLY
21	V0 CONTRAST ADJUST
22	CS CHIP SELECTION FOR SERIAL MODE
23	SID SERIAL DATA INPUT
24	SCLK SERIAL CLOCK INPUT

ABSOLUTE MAXIMUM RATING			
ITEM	SYMBOL	MIN	MAX UNIT
POWER SUPPLY(VLOGIC)	VDD-VSS	-0.3	7.0 V
POWER SUPPLY(LCD DRV.)	VDD-V0	-0.3	13.5 V
INPUT VOLTAGE	V _I	-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	H	V _{IH}	2.2	VDD V
	L	V _{IL}	-0.3	0.6 V
OUTPUT VOLTAGE	H	V _{OH}	2.4	- V
	L	V _{OL}	-	0.4 V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	110.0W x 65.0H x 13.5T	MM
VIEWING AREA	77.6W x 24.6H	MM
DOT NUMBER	128W X 32H	MM
DOT SIZE	0.52W X 0.52H	MM
DOT PITCH	0.57W X 0.57H	MM

OPTIONS	
1.	LCD TYPE: Y/G STN; GRAY STN;
2.	BACKLIGHT: WITHOUT BACKLIGHT; LED; EL
3.	COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
4.	TEMPERATURE RANGE: NORMAL(0-50C) EXTENDED(-20-70C)
5.	POWER SUPPLY: 5.0V; 3.0V
6.	VIEWING ANGLE: 6H; 12H
7.	CHARACTER TABLE: MADARIN(SIMPLE) CHINESE

NT-G128321A

128 X 32 DOTS



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

