



# SG128128B ( 128 DOTS X 128 DOTS )

## FEATURES

- BUILT-IN CONTROLLER (T6963C OR EQUIVALENT)
- +5 V POWER SUPPLY
- 1/128 DUTY CYCLE
- 8-BIT PARALLEL INTERFACE

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	92.0 x 106.0 x 12.0 ( 14.5 LED )	mm
Viewing Area ( W x H )	69.0 x 69.0	mm
Active Area ( W x H )	63.96 x 63.96	mm
Dot Size ( W x H )	0.46 x 0.46	mm
Dot Pitch ( W x H )	0.50 x 0.50	mm

## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	FGND	0V	Frame Ground
2	V <sub>SS</sub>	0V	Power Supply Ground
3	V <sub>DD</sub>	5V	Power Supply Voltage
4	V <sub>o</sub>	-	Contrast Adjustment Voltage
5	/WR	L	Write Singal
6	/RD	L	Read Signal
7	/CE	L	Enable Signal
8	C/D	H/L	H : Instruction Code, L : Data Code
9	/RST	L	Reset Signal
10~17	DB0~DB7	H/L	Data Bus Line
18	FS	H/L	H : 6*8 , L : 8*8 Select Of Columns
19	A	4.2V	LED Power (+)
20	/HALT	L	Stop The Oscillatuion Of Clock

## ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	0	-	7	V
Supply Voltage For LCD Drive	V <sub>DD</sub> -V <sub>o</sub>	0	-	28	V
Input Voltage	V <sub>I</sub>	V <sub>SS</sub>	-	V <sub>DD</sub>	V

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	-	4.5	5	5.5	V	
Supply Voltage For LCD	V <sub>DD</sub> -V <sub>o</sub>	V <sub>DD</sub> =5V Ta=25	17.2	18.5	19.6	V	
Supply Current	I <sub>DD</sub>	V <sub>DD</sub> =5V	-	16	25	mA	
Input Voltage	"HIGH" Level	V <sub>IH</sub>	-	2.2	-	V <sub>DD</sub>	V
	"LOW" Level	V <sub>IL</sub>	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	2.4	-	V	V
	"LOW" Level	V <sub>OL</sub>	-	-	-	0.4	V

## EXTERNAL DIMENSIONS

