



SG16032B (160 DOTS X 32 DOTS)

FEATURES

- ◆ BUILT-IN CONTROLLER (SBN0080G)
- ◆ +5 V POWER SUPPLY
- ◆ 1/32 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	122.0 x 44.0 x 13.6	mm
Viewing Area (W x H)	99.0 x 24.0	mm
Active Area (W x H)	94.36 x 19.16	mm
Dot Size (W x H)	0.55 x 0.56	mm
Dot Pitch (W x H)	0.59 x 0.60	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	0V	Supply Ground
2	VDD	5V	Supply Voltage
3	Vo	-	LCD driver supply voltage
4	Ao	H/L	Data Type select signal
5	CS1	H	Chip Select Signal for IC1
6	CS2	H	Chip Select Signal for IC2
7	NC	---	No Connection
8	E	H-->L	Enable Signal
9	R/W	H/L	Read/Write
10~17	DB0~DB7	H/L	Data Bus Line
18	REST	H/L	Reset Signal
19	A	3.2V	LED Power (+)
21	K	0V	LED Power (-)

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-Vss	0	-	7	V
Supply Voltage For LCD Drive	VDD-Vo	0	-	10	V
Input Voltage	Vi	Vss	-	VDD	V

ELECTRICAL CHARACTERISTICS

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic		VDD-VSS	-	4.5	5	5.5	V
Supply Voltage For LCD		VDD-V ₀	VDD=5V Ta=25°C	4.5	4.8	5.2	V
Supply Current		IDD	VDD=5V	-	2.5	4.5	mA
Input	"HIGH" Level	V _{IH}	-	2.2	-	VDD	V
Voltage	"LOW" Level	V _{IL}	-	-	-	0.6	V
Output	"HIGH" Level	V _{OH}	-	2.4	-	-	V
Voltage	"LOW" Level	V _{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

