



SG12232S (122 DOTS X 32 DOTS)

FEATURES

BUILT-IN CONTROLLER (SBN1661 OR EQUIVALENT)

+5 V POWER SUPPLY

1/32 DUTY CYCLE

8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	66.2 x 27.2 x 8.8	mm
Viewing Area (W x H)	60.5 x 18.5	mm
Active Area (W x H)	53.64 x 15.64	mm
Dot Size (W x H)	0.40 x 0.45	mm
Dot Pitch (W x H)	0.44 x 0.49	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	Ao	H/L	Data Type Select Signal
2	E1	H,H L	Chip Select Signal For IC1
3	E2	H,H L	Chip Select Signal For IC2
4	NC	-	No Connection
5	NC	-	No Connection
6	R/W	H/L	H : Read / L : Wrtie
7	Vss	0V	Power Supply Ground
8~15	DB0~DB7	H/L	Data Bus Line
16	VDD	5V	Power Supply Voltage
17	/RES	L	Reset Select
18	Vo	-	Contrast Adjustment Voltage
19	A	4.2V	LED Power Supply (+)
20	K	0V	LED Power Supply (-)

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	-	12	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-Vo	VDD=5V Ta=25	4.4	4.8	5.2	V	
Supply Current	IDD	VDD=5V	-	2.5	4.5	mA	
Input Voltage	"HIGH" Level	VIH	-	2.2	-	VDD	V
	"LOW" Level	VIL	-	-	-	0.6	V
Output Voltage	"HIGH" Level	VOH	-	2.4	-	-	V
	"LOW" Level	VOL	-	-	-	0.4	V

EXTERNAL DIMENSIONS

