



SG160160B (160 DOTS X160 DOTS)

FEATURES

- ◆ BUILT-IN CONTROLLER (SED1335 OR EQUIVALENT)
- ◆ +5 V POWER SUPPLY
- ◆ 1/160 DUTY CYCLE
- ◆ EDGE LIGHTING TYPE LED BACKLIGHT

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Power Supply Ground
2	VDD	5V	Power Supply Voltage
3	Vo	-	Contrast Adjustment Voltage
4	/RD	L	Read Signal
5	/WR	L	Write Signal
6	/CS	L	Chip Signal
7	Ao	H/L	Data Type Select
8~15	DB0~DB7	H/L	Data Bus Line
16	/RES	L	Reset Signal
17	VOUT	-	Power Supply Voltage For LCD
18	A	4.2V	LED Power (+)
19	K	0V	LED Power (-)
20	NC	-	No Connection

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	88.8 x 88.8 x 9.4(13.8)	mm
Viewing Area (W x H)	62.0 x 62.0	mm
Active Area (W x H)	60.76 x 60.76	mm
Dot Size (W x H)	0.34 x 0.34	mm
Dot Pitch (W x H)	0.38 x 0.38	mm

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	-	21	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
LCD Supply Voltage		VDD-Vo	VDD=5V Ta=25°C	17.4	18	24.3	V
Supply Current		IDD	VDD=5V	-	14	23	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

