



SG25664A (16 DOTS X 4 DOTS)

FEATURES

- ◆ BUILT-IN CONTROLLER (ST7920)
- ◆ +5 V POWER SUPPLY
- ◆ 1/64 DUTY CYCLE
- ◆ EDGE LIGHTING TYPE LED BACKLIGHT
- ◆ EDGE LIGHTING TYPE CCFL BACKLIGHT
- ◆ 20 CHAACTERS * 4 LINES

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	0V	Power Supply Ground
2	VDD	5V	Power Supply Voltage
3	Vo	...	Contrast Adj
4	RS	H/L	Read Select
5	R/W	H/L	Read / Write
6	E1	H,H→L	Enable Signal IC1
7	E2	H,H→L	Enable Signal IC2
8~15	DB0~DB7	H	Data Bit 1~7
16	A	4.2V	LED Power Supply (+)
17	K	0V	LED Power Supply (-)
18	NC	-	No Connection
19	NC	-	No Connection
20	NC	-	No Connection

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	180.0 x 65.0 x 9.7 (13.8 LED)	mm
Viewing Area (W x H)	134.0 x 40.4	mm
Active Area (W x H)	127.16 x 31.97	mm
Dot Size (W x H)	0.47 x 0.47	mm
Dot Pitch (W x H)	0.50 x 0.50	mm

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-Vss	-0.3	-	5.5	V
Supply Voltage For LCD Drive	VDD-Vo	0	-	7	V
Input Voltage	Vi	-0.3	-	VDD	V

ELECTRICAL CHARACTERISTICS

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic		VDD-VSS	-	4.5	5.0	5.5	V
Supply Voltage For LCD		VDD-Vo	VDD=5V Ta=25℃	5.6	6.0	6.5	V
Supply Current		IDD	VDD=5V	-	16.0	25.0	mA
Input	"HIGH" Level	VIH	-	2.2	-	VDD	V
Voltage	"LOW" Level	VIL	-	-	-	0.6	V
Output	"HIGH" Level	VOH	-	2.4	-	-	V
Voltage	"LOW" Level	VOL	-	-	-	0.4	V

EXTERNAL DIMENSIONS

