



SG25664A (16 CHARACTERS X 4 LINES)

FEATURES

- BUILT-IN CONTROLLER (ST7920 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)	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

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V _{SS}	0V	Power Supply Ground
2	V _{DD}	5V	Power Supply Voltage
3	V _o	...	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

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-0.3	-	6	V
Supply Voltage For LCD Drive	V _{DD} -V _o	0	-	7	V
Input Voltage	V _I	-0.3	-	V _{DD}	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	V _{DD} -V _{SS}	-	4.5	5.0	5.5	V	
Supply Voltage For LCD	V _{DD} -V _o	V _{DD} =5V Ta=25	5.6	6.0	6.5	V	
Supply Current	I _{DD}	V _{DD} =5V	-	16.0	25.0	mA	
Input Voltage	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD}	V
	"LOW" Level	V _{IL}	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V _{OH}	-	2.4	-	V	V
	"LOW" Level	V _{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

