

# SG25664A ( 16 DOTS X 4 DOTS )

## FEATURES

- . BUILT-IN CONTROLLER (ST7920)
- . +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 <sub>SS</sub>	0V	Power Supply Ground
2	V <sub>DD</sub>	5V	Power Supply Voltage
3	V <sub>0</sub>	...	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 <sub>DD-VSS</sub>	-0.3	-	5.5	V
Supply Voltage For LCD Drive	V <sub>DD-V<sub>0</sub></sub>	0	-	7	V
Input Voltage	V <sub>I</sub>	-0.3	-	V <sub>DD</sub>	V

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	V <sub>DD-VSS</sub>	-	4.5	5.0	5.5	V	
Supply Voltage For LCD	V <sub>DD-V<sub>0</sub></sub>	V <sub>DD</sub> =5V Ta=25.	5.6	6.0	6.5	V	
Supply Current	I <sub>DD</sub>	V <sub>DD</sub> =5V	-	16.0	25.0	mA	
Input Voltage	"HIGH" Level	V <sub>IH</sub>	-	2.2	-	V <sub>DD</sub>	V
	"LOW" Level	V <sub>IL</sub>	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V <sub>OH</sub>	-	2.4	-	-	V
	"LOW" Level	V <sub>OL</sub>	-	-	-	0.4	V

## EXTERNAL DIMENSIONS

