



SG24064A (240 DOTS X 64 DOTS)

FEATURES

- ◆ BUILT-IN CONTROLLER (T6963C OR EQUIVALENT)
- ◆ +5 V POWER SUPPLY
- ◆ 1/64 DUTY CYCLE
- ◆ EDGE LIGHTING TYPE LED BACKLIGHT
- ◆ EDGE LIGHTING TYPE CCFL BACKLIGHT

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 33.88	mm
Dot Size (W x H)	0.49 x 0.49	mm
Dot Pitch (W x H)	0.53 x 0.53	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	FGND	-	For GND
2	Vss	0V	Power Supply Ground
3	VDD	5V	Power Supply Voltage
4	Vo	-	Contrast Adjustment Voltage
5	/WR	L	Read Signal
6	/RD	L	Write Signal
7	/CE	L	Enable Signal
8	C/D	H/L	H : Data, L : Instruction Code
9	NC	-	No Connection
10	/RST	L	Reset Signal
11~18	DB0~DB7	H/L	Data Bus Line
19	FS	H/L	H : 6*8, L : 8*8 Select Of Columns
20	NC	-	No Connection

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	0	-	7	V
Supply Voltage For LCD Drive	V _{DD} -V _o	0	-	21	V
Input Voltage	V _I	V _{SS}	-	V _{DD}	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	-	4.5	5	5.5	V
Supply Voltage For LCD	V _{DD} -V _o	V _{DD} =5V Ta=25°C	10.8	12.2	13.1	V
Supply Current	I _{DD}	V _{DD} =5V	-	12	23	mA
Input	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD} V
Voltage	"LOW" Level	V _{IL}	-	-	-	0.6 V
Output	"HIGH" Level	V _{OH}	-	2.4	-	V
Voltage	"LOW" Level	V _{OL}	-	-	-	0.4 V

EXTERNAL DIMENSIONS

