

SG12864C (128 DOTS X 64 DOTS)

; FEATURES

- . BUILT-IN CONTROLLER (KS0107 OR EQUIVALENT)
- . +5 V POWER SUPPLY
- . 1/64 DUTY CYCLE
- . 8-BIT PARALLEL INTERFACE

; MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	78.0 x 70.0 x 8.8 (12.7 LED)	mm
Viewing Area (W x H)	72.0 x 40.0	mm
Active Area (W x H)	66.52 x 33.24	mm
Dot Size (W x H)	0.48 x 0.48	mm
Dot Pitch (W x H)	0.52 x 0.52	mm

4. 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 Adjustment Voltage
4	D/I	H/L	L : Data, H : Instruction Code
5	R/W	H/L	H : Read / L : Write
6	E	H→L	Enable Signal
7~14	DB0~DB7	H/L	Data Bus Line
15	CS1	H	Chip Select Signal For IC1
16	CS2	H	Chip Select Signal For IC2
17	/RES	L	Reset Signal
18	V _{out}	-	Power Supply Voltage For LCD
19	A	4.2V	LED Power (+)
20	K	0V	LED Power (-)

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V_{DD-VSS}	0	-	7	V
Supply Voltage For LCD Drive	V_{DD-V_0}	0	-	14	V
Input Voltage	V_I	V_{SS}	-	V_{DD}	V

5. ELECTRICAL CHARACTERISTICS

ITEM		SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic		V _{DD-VSS}	-	4.5	5	5.5	V
Supply Voltage For LCD		V _{DD-Vo}	V _{DD} =5V Ta=25.	7.6	8.3	9.2	V
Supply Current		I _{DD}	V _{DD} =5V	-	4.5	10	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

