

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Item # LMG-SS(F)12A64/SSC(F)12A64

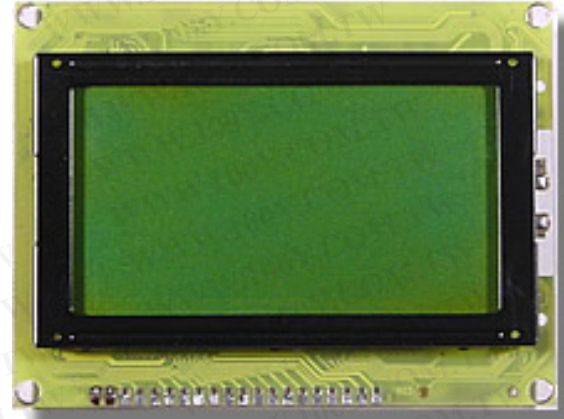
FEATURES

128 DOTS X 64 DOTS

1/64 DUTY

1/9 BIAS

LCD TYPE	STN/FSTN
LCM BACKLIGHT TYPE	LED/EL BACKLIGHT
LCM CONTROLLER IC	BUILT IN KS0108 OR EQUIVALENT
POWER SUPPLY FOR LCM	DC +5.0V
LED BACKLIGHT INPUT	DC +5.0V
EL BACKLIGHT INPUT	AC 90~100V(400~700HZ)
EL INVERTER	I002A
FL BACKLIGHT INPUT	-
FL INVERTER	-
LCM DIMENSION	93.0x70.0x9.5(14.0) mm
LCM VIEWING AREA	72.0x39.0 mm
LCD DOT SIZE	0.48x0.48 mm
LCD DOT PITCH	0.52x0.52 mm



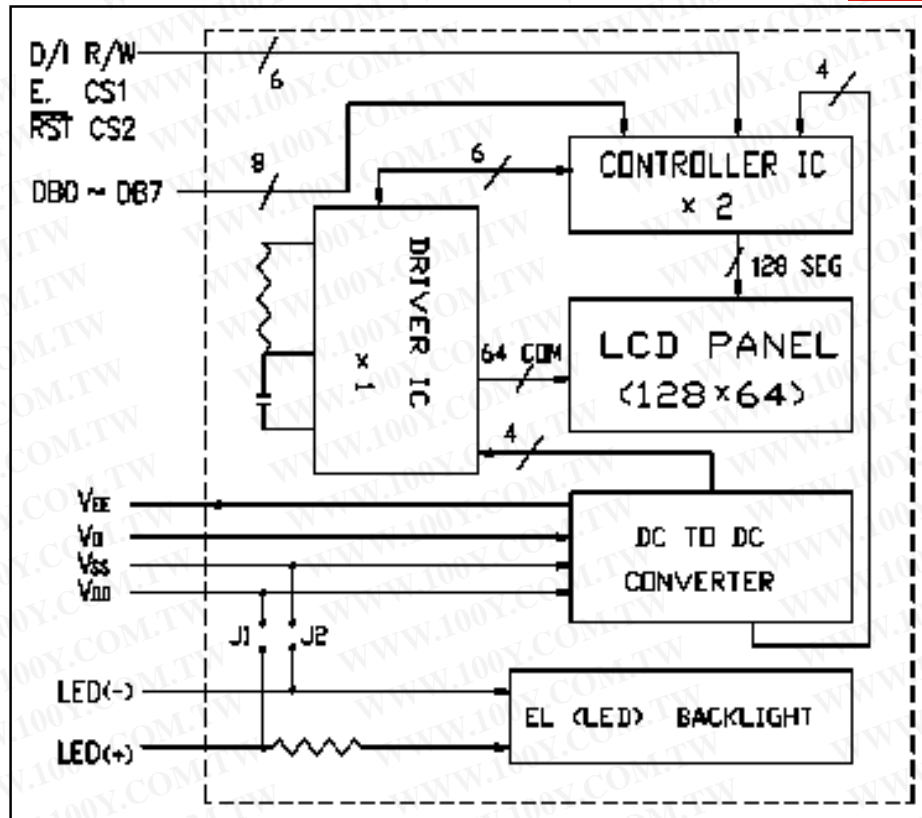
ELECTRICAL CHARACTERISTICS

ITEM	SYM	CONDITION	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-VSS	Ta=25℃	4.5	5.0	5.5	V
SUPPLY VOLTAGE FOR LCD DRIVER	VDD-VSS	Ta=25℃	-	-	-5.0	V
OPERATING VOL. FOR LCD MODULE	VDD-VO	Ta=25℃	-	8.0	-	V
INPUT HIGH VOL.	VIH	-	0.7VDD	-	VDD	V
INPUT LOW VOL.	VIL	-	0	-	0.3VDD	V
SUPPLY CURRENT FOR LOGIC	IDD	VDD=5.0V	-	-	7.0	V
SUPPLY CURRENT FOR LCD	ILCD	VO=-3.0V	-	-	12.0	mA
LED CURRENT	IF	Ta=25℃	-	300	-	mA
LED DISSIPATION	PD	Ta=25℃	-	1500	-	mW

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
OPERATING TEMP.	TOP	0	-	+50	℃
STORAGE TEMP.	TST	-10	-	+60	℃
INPUT VOLTAGE	VI	VSS	-	VDD	V
SUPPLY VOL-LOGIC	VDD-VSS	-	5.0	6.5	V
SUPPLY VOL-LCD	VDD-VEE	-	-	6.5	V

BLOCK DIAGRAM



INTERFACE PIN CONNECTIONS

NO	SYM	LEVEL	FUNCTION
1	VSS	-	0V
2	VDD	-	+5V
3	VO	-	CONTRAST ADJ.
4	D/I	H/L	H : DATA L : INSTRUCTION CODE
5	R/W	H/L	H:READ(LCD -> MPU) L:WRITE(MPU->LCD)
6	E	H.H->L	ENABLE SIGNAL
7	DB0	H/L	DATA BIT0
8	DB1	H/L	DATA BIT1
9	DB2	H/L	DATA BIT2
10	DB3	H/L	DATA BIT3
11	DB4	H/L	DATA BIT4
12	DB5	H/L	DATA BIT5
13	DB6	H/L	DATA BIT6
14	DB7	H/L	DATA BIT7
15	CS1	H	CHIP SELECT SIGNAL FOR IC1
16	CS2	H	CHIP SELECT SIGNAL FOR IC2
17	RST	L	RESET SIGNAL
18	VEE	-	NEGATIVE VOLTAGE OUTPUT (-5.0V)
19	A(+)	+5.0V	BACKLIGHT(+)
20	K(-)	0V	BACKLIGHT(-)

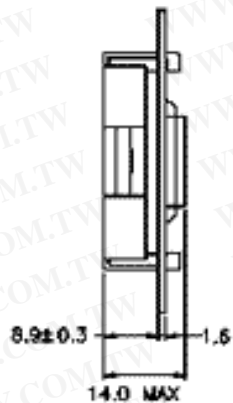
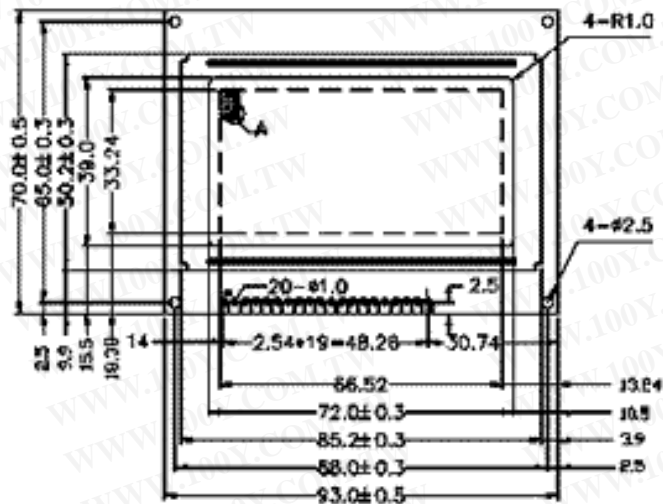
DIMENSIONAL DRAWING

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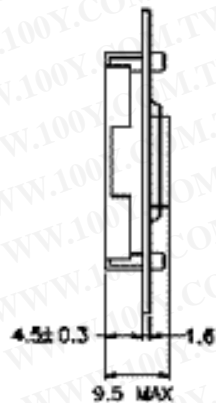
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LED
BACKLIGHT TYPE



EL OR NO
BACKLIGHT TYPE

