

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)

1.FEATURE :

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	SDEC-I002A
FL BACKLIGHT INPUT	-
FL INVERTER	-
LCM DIMENSION	70.2x55.0x10.0(13.5) mm
LCM VIEWING AREA	59.0x32.0 mm
LCD DOT SIZE	0.40x0.40 mm
LCD DOT PITCH	0.43x0.43 mm

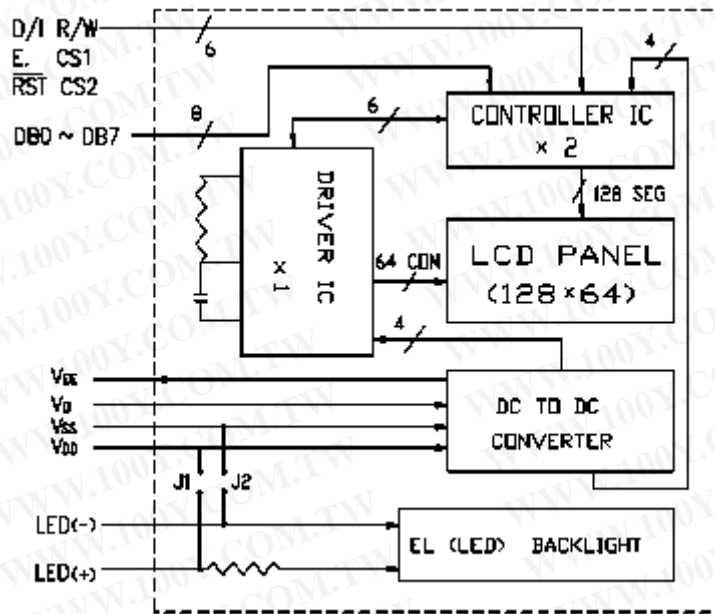
2.ELECTRICAL CHARACTERISTICS :

ITEM	SYM	CONDITION	MIN	TYP	MAX	UNIT
SUPPLY VOLTAGE FOR LOGIC	VDD-VSS	Ta=25°C	4.5	5.0	5.5	V
SUPPLY VOLTAGE FOR LCD DRIVER	VDD-VSS	Ta=25°C	-	-	-5.0	V
OPERATING VOL. FOR LCD MODULE	VDD-VO	Ta=25°C	-	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	-	-	6.0	V
SUPPLY CURRENT FOR LCD	ILCD	VO=-3.0V	-	-	12.0	mA
LED CURREN	IF	Ta=25°C	-	200	-	mA
LED DISSIPATION	PD	Ta=25°C	-	1000	-	mW

3.ABSOLUTE MAXIMUM RATINGS :

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
OPERATING TEMP	TOP	0	-	+50	°C
STORAGE TEMP.	TST	-10	-	+60	°C
INPUT VOLTAGE	VI	VSS	-	VDD	V
SUPPLY VOL-LOGIC	VDD-VSS	-	-	7.0	V
SUPPLY VOL-LCD	VDD-VEE	-	-	10.0	V

4.BLOCK DIAGRAM :

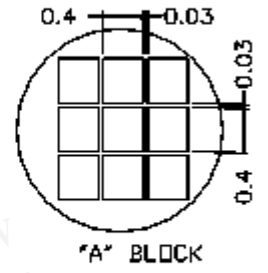
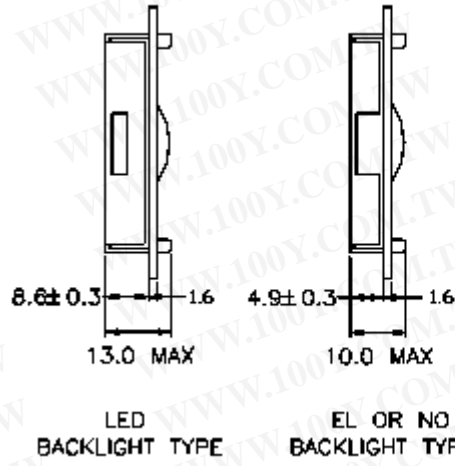
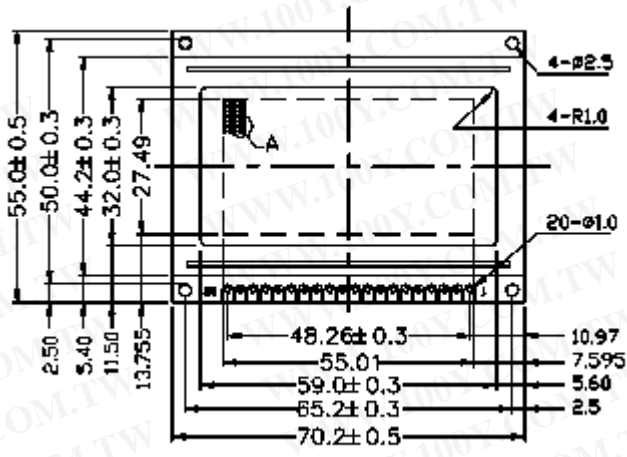


5.INTERFACE PIN CONNECTIONS :

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(-)

6.DIMENSIONAL DRAWING :

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