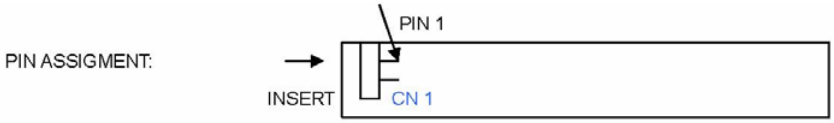
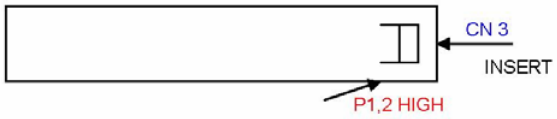


INPUT: CN1

MODEL NO: S5B-PH-SM

SUPPLIER: JST,FCK

PIN	SYMBOL	REMARK
1	VIN	12V
2	GND	
3	VRMT	ON(5V)/OFF(0V)
4	BRI	0V-Brightest 5V-Darkest
5	NC	



OUTPUT: CN 3

MODEL: SMO4(4.0)

SUPPLIER: JST.FCK

PIN	SYMBOL	REMARK
1,2	V HIGH	HIGH VOLTAGE
4	V LOW	FB

NOTE: V HIGH AND V LOW MUST CONNECT CORRECTLY, IF YOU MAKE A MISTAKE TO CONNECT YOU WILL GET HURT AND MODULE WILL BREAK.

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ELECTRICAL CHARACTERISTICS

ITEMS	SYMBOL	MIN	TYP	MAX	UNIT	RE. MARK
Input v	Vin	11	12	13	V	
Input C	I in	800	1200	1600	MA	
Frequency	F	35	50	70	KHz	
OUTPUT C	I out	9	12	15	MA	Brightness max.
Open V	V open	700	1000	1350	Vrms	
Output V	V out	400	600	750	Vrms	

WEIGHT: Approximate 18Gms

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RELIABILITY TEST

FOLLOWING TEST ITEMS ARE ASSURED

Items	Conditions	Judgment
Low temp. Storage 3	-30℃ 500h	Electric & appearance should be in the spec. *See next table
Low temp. operating	0℃ 500h	
High temp. storage	85℃ 500h	
High temp. *** operating ***	58℃ 1000h	
Temp. cycles	-30℃ ---80℃ 30min Each 100 cycles	
Humidity operating.	50℃ 90-95%RH 500h	
Vibration	X. Y. Z. 30min. Each	
Mechanical shock	100G 6ms Half Sinusoid wave x. y. z. 3 Times Per Each	

High temperature operating function inspection:

Test oneTime/10 Hours each

Item	Temperature	Conclusion	Dynamic testing
ON&OFF	50℃	OK	1200 Times continue
Noise	50℃	OK	Vin low noise also
P.W.M.	50℃	OK	Include brightness adjust
I in	50℃	OK	----------
Frequency	50℃	OK	----------
Sinusoid wave	50℃	OK	AC in & out
Brightness control	50℃	OK	Without flash

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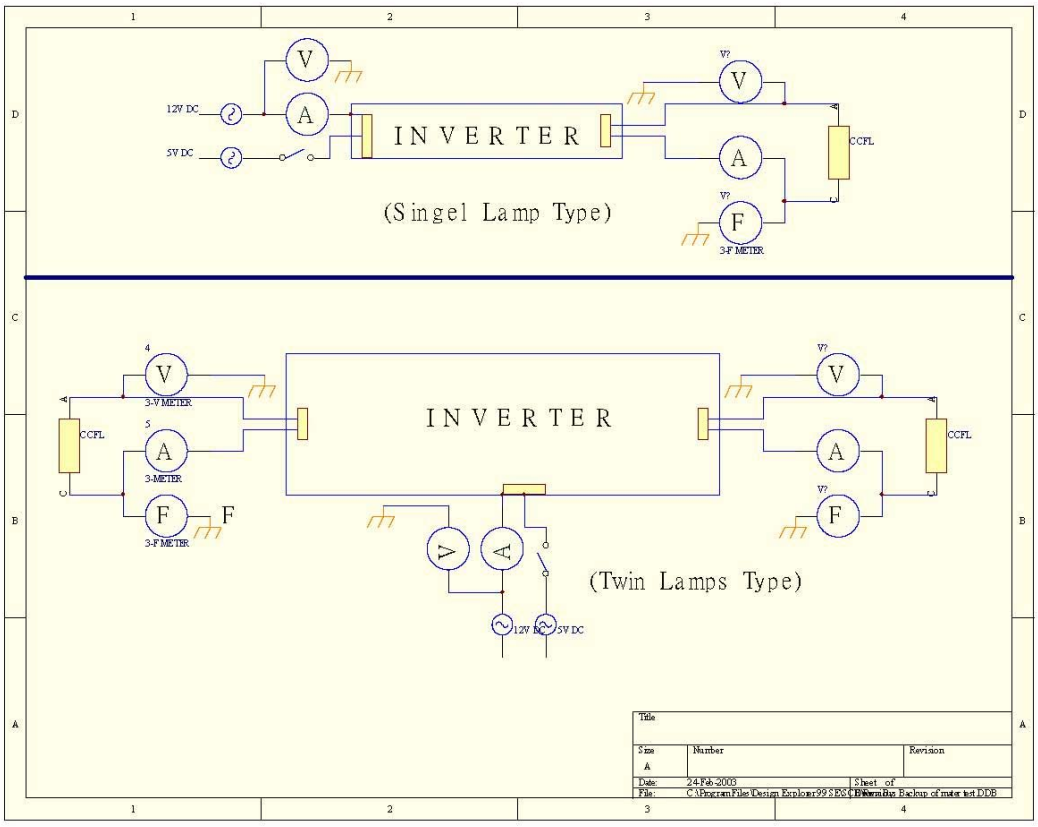
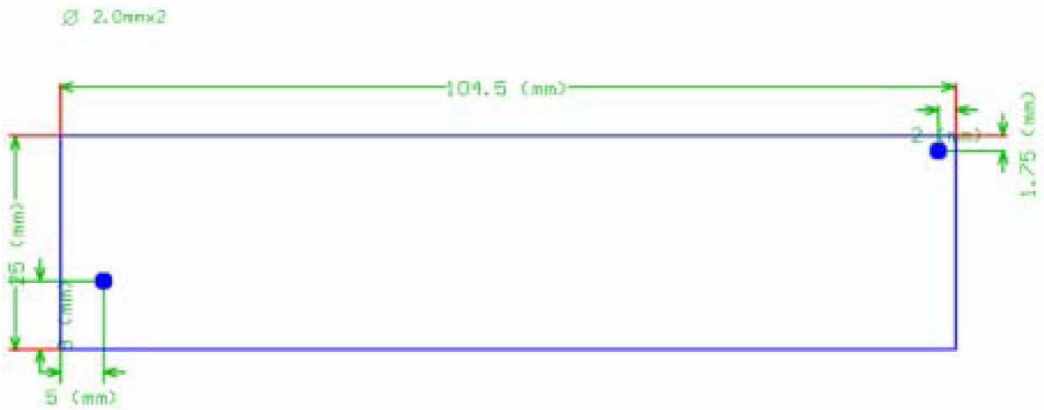
Test Circuit





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