ES-1117N-LEAE

BI3101A

Data Sheet

BI3101A

Dual PWM CCFL Controller

Version : 1.1

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PIN ASSIGMENT:

INPUT: CN1
MODEL NO: S5B-PH-SM
SUPPLIER: JST

PIN	SYMBOL	REMARK
1	VIN	11V-13V
2	GND	
3	VRMT	ON/5V OFF/0V
4	VBR	0V(Brightest)

*PIN 5NC

OUTPUT: CN3,4   This type be use at Lv-1801-A
MODEL: SM02B-BHSS-1-TB * ＼SM04(4.0)BHS-1-TB
SUPPLIER:JST ,FCN

SM02B-BHSS-1-TB

PIN	SYMBOL	REMARK
1	HIGHT	HIGH VOLTAGE
2	LOW	LOW VOLTAGE

SM04(4.0)BHS-1-TB

PIN	SYMBOL	REMARK
1,2	HIGHT	HIGH VOLTAGE
4	LOW	LOW VOLTAGE

Note: V H. and V L. must connect correctly, If you make a mistake to connect you will get Hurt and module will be break

ELETRICAL CHARACTERISTICS

ITEMS	SYMBOL	MIN	TYP	MAX	UNIT	RE. MARK
Input v	Vin	10.8	12	13.2	V	
Input C	I in	1500	1800	2200	MA	
Frequency	F	40	50	65	KHz	
OUTPU C (2 Lamps)	I out		13	15	MA	Brightness max.
Open V	V open	1000	1300	1600	Vrms	
Output V	V out		680	760	Vrms	

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

LU-1702-A Outline dimension

Unit mm

Hole 3.2mmX2

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