

Data Sheet

BI3101A

Dual PWM CCFL Controller

Version : 1.1

Notice

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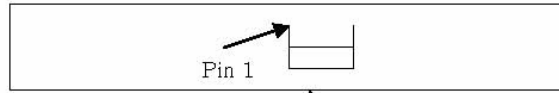
This connector to connect A/D board

PIN ASSIGNMENT:

INPUT: CN1

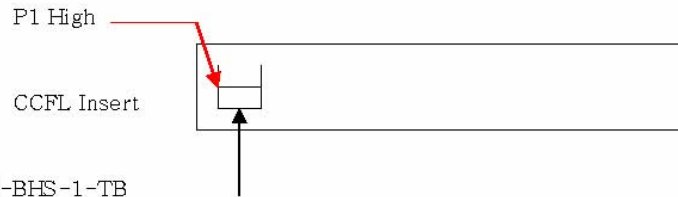
MODEL NO: B5B-PH-SM3-TB

SUPPLIER: JST



Insert (Side Entry)

PIN	SYMBOL	REMARK
1	VIN	12v
2	GND	
3	Von	ON(5V)/OFF(0V)
4	VBR(Brightness control)	0V Brightest 4.7V Darkest



OUTPUT: CN2.3

MODEL:SMO2(8.0)B-BHS-1-TB

SUPPLIER:JST,FCK

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

Note: **VH**. and **VL**. must connect correctly, If you make a mistake to connect you will get Hurt and module will break.

ELECTRICAL CHARACTERISTICS

ITEMS	SYMBOL	MIN	TYP	MAX	UNIT	RE. MARK
Input DC V	V _{in}	10.8	12	13.2	V	
Input DC C	I _{in}	850	1100	1300	mA	
Frequency F	F	40	50	80	KHz	
OUTPUT mA	I _{out}	7	8	8.5	mA	Brightness max.
Open V	V _{open}	1000	1250	1500	V Rms	
Output V	V _{out}	600	640	710	V Rms	

WEIGHT: Approximate 30Gms

RELIABILITY TEST

FOLLOWING TEST ITEMS ARE ASSURED

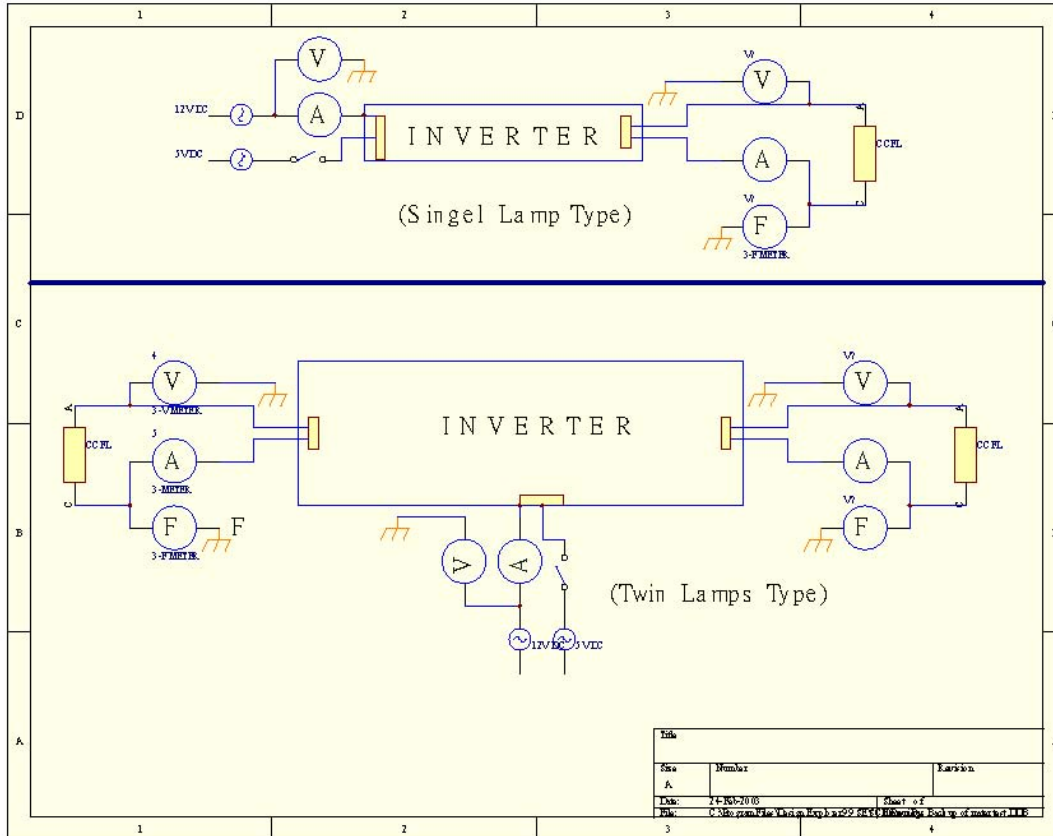
Items	Conditions	Judgment
Low temp. Storage 3	-30°C 500h	Electric & appearance should be in the spec. *See next table
Low temp. operating	0°C 500h	
High temp. storage	85°C 500h	
High temp. operating ***	58°C 1000h ***	
Temp. cycles	-30°C ---80°C 30min Each 100 cycles	
Humidity operating.	50°C 90-95%RH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

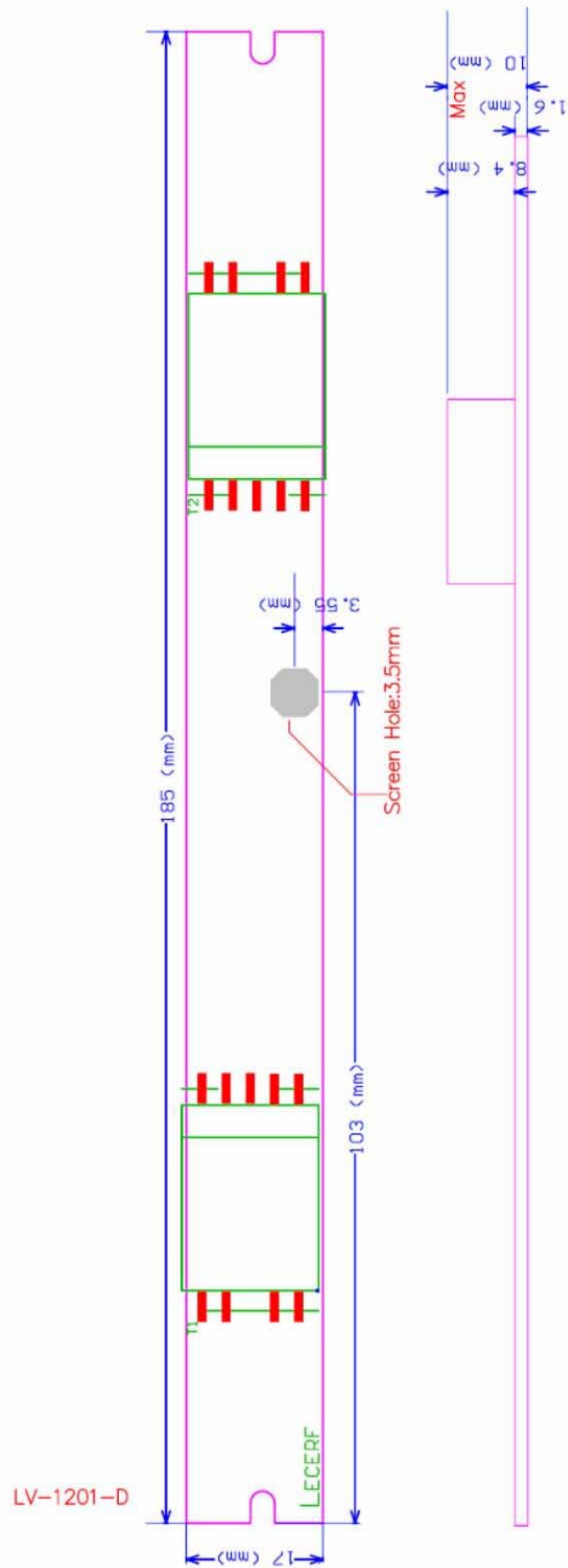
High temperature operating function inspection:

Test oneTime/10 Hours each

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

Test Circuit





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