

Data Sheet

BI3101A

Dual PWM CCFL Controller

Version : 1.1

Notice

All information contained in this document is subject to change without notice.

No part of this document may be copied or reproduced in any form or by any means without the prior written consent of Beyond Innovation Technology Co., Ltd.

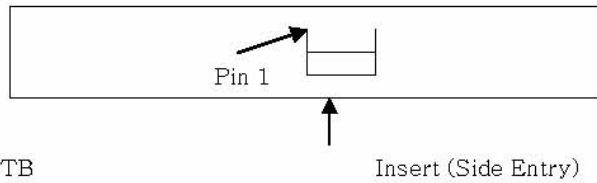
This connector to connect A/D board

PIN ASSIGNMENT:

INPUT: CN1

MODEL NO: B5B-PH-SM3-TB

SUPPLIER: JST

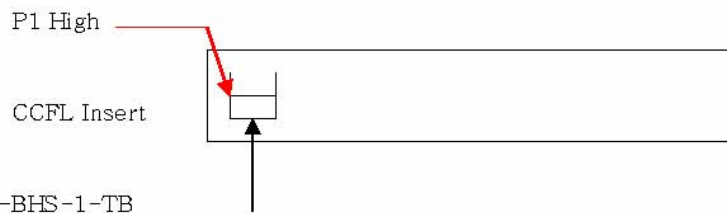


PIN	SYMBOL	REMARK
1	VIN	12v
2	GND	
3	Von	ON(5V)/OFF(0V)
4	VBR(Brightness control)	0V Brightest 4.7V Darkest

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: **V H.** and **V L.** 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

