



INNOVATION PROFESSION EXECUTION

RoHS
Compliant

Splendi **Tech** 4 CCFLs Inverter

IN4-QF132330

Splendi **Tech**. Corp., Ltd.

www.splendi.com.tw

E-mail: sales@splendi.com.tw

Tel: 886-2-2647-6609

Fax: 886-2-2647-6619

Address: 2F.-3, No.263, Sec. 2, Datong Rd., Sijhih City, Taipei County 221, Taiwan

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Introduction

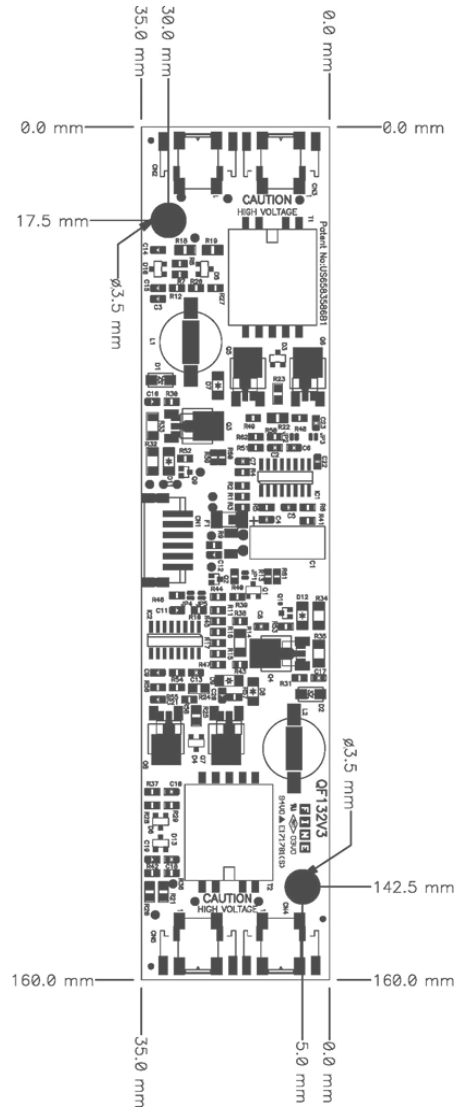
The Splendi IN4-QF132330 DC To AC inverter is designed with 4 ccfls which is able to drive 4-tube backlight. With the advantages of low noise and high frequency, and as a low profile and light weight switching power supply, it's compatible to the LCD panels of AUO, CMO, Kyocera, Samsung, Sharp, NEC, Mitsubishi and LG...etc.

Features

- Applicable to 4 tubes backlight
- Constant current output
- Possesses open load protection when lamp is open
- No load-output auto stop
- Meet TCO 99

Dimension (L x W x H):
160mm x 35mm x 11mm

Weight: Max. 42g



Operating Conditions

Item	Symbol	Condition	Min.	Max.	Unit
Input Voltage	Vin		10	-	V
Operating Temperature	Top	Ha=90%	0	65	°C
Storage Temperature	Tstg	Ha=95%	-10	80	°C
Operating Humidity	Hop	Ta=0 ~ 55 °C	20	90	%RH
Storage Humidity	Hstg	Ta=20 ~ 80 °C	-	95	%RH

Operating Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Input Voltage	Vin	GND=0V	10.8	12	13.2	V
Input Current (Low Brightness)	IinL	Vin=Typ. ±1%ON VR=Min. (Iout=Min.)	700	850	970	mA CV=5.0V
Input Current (High Brightness)	IinH	Vin=Typ. ±1% ON VR=Max. (Iout=Max.)	1800	1950	2150	mA CV=0.2V
Lamp Current (Low Brightness)	IoutL	Vin=Typ. ±1%ON VR=Min. (Iout=Min.)	1.3	1.4	2.2	mA / rms CV=5.0V
Lamp Current (High Brightness)	IoutH	Vin=Typ. ±1%ON VR=Max. (Iout=Max.)	6	6.5	7	mA / rms CV=0.2V
Working Frequency			40	43	48	KHz
Dimming		Tube Current	>2.5:1	-	-	
Brightness Control		Connection of Voltage	5	-	0	V
Output Voltage		CCFT Current= 5 mA	-	760	-	KHz

Connector Socket

(CN1) Input Connector

Pin No.	Symbol	Description
1	Vin	DC +12V
2	Vin	DC +12V
3	GND	Ground
4	Brightness	Digital Brightness Control
5	GND	Ground
6	Control	ON/OFF Control ON=+5V, OFF=0V

(CN2 ~ 5) Output Connector

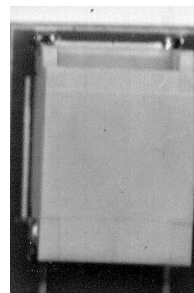
Pin No.	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp Low Voltage

Connector Model No. & Brand

Connector No.	Symbol	Description
CN1	S6B-PH-SM3	JST
CN2, CN3	SM02B	JST
CN4, CN5	SM02B	JST



S6B-PH-SM3 (Pin1)



SM02B (Pin1)

