

# Technical Service Bulletin No. 34

**Created by: Lab.gruppen AB Service Department**

**Date: 20130308**

**Reference no: OVP on SP100F-SP130F**

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## **Affected models**

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Following models are affected by this technical service bulletin:

FP13000, FP10000Q, FP9000, FP7000, FP6000Q

C16:4, C28:4, C48:4, C68:4, C88

PLM10000Q

## **Affected boards/modules**

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All SP100F-Xxx

SP130F02a-Xxx

SP130F02b-Xxx

SP130F04a-Xxx

SP130F08a-Xxx

SP130F08bXxx

SP130F08c-Xxx

SP130F08d-Xxx

SP130F08e-Xxx

SP130F08g-Xxx

SP130F10a-Xxx

SP130F10b-Xxx

## **Symptom**

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Unstable rail voltage, not able to adjust rail voltage.

PSU clicking on and off all the time and PAL led lights up.

## **Solution**

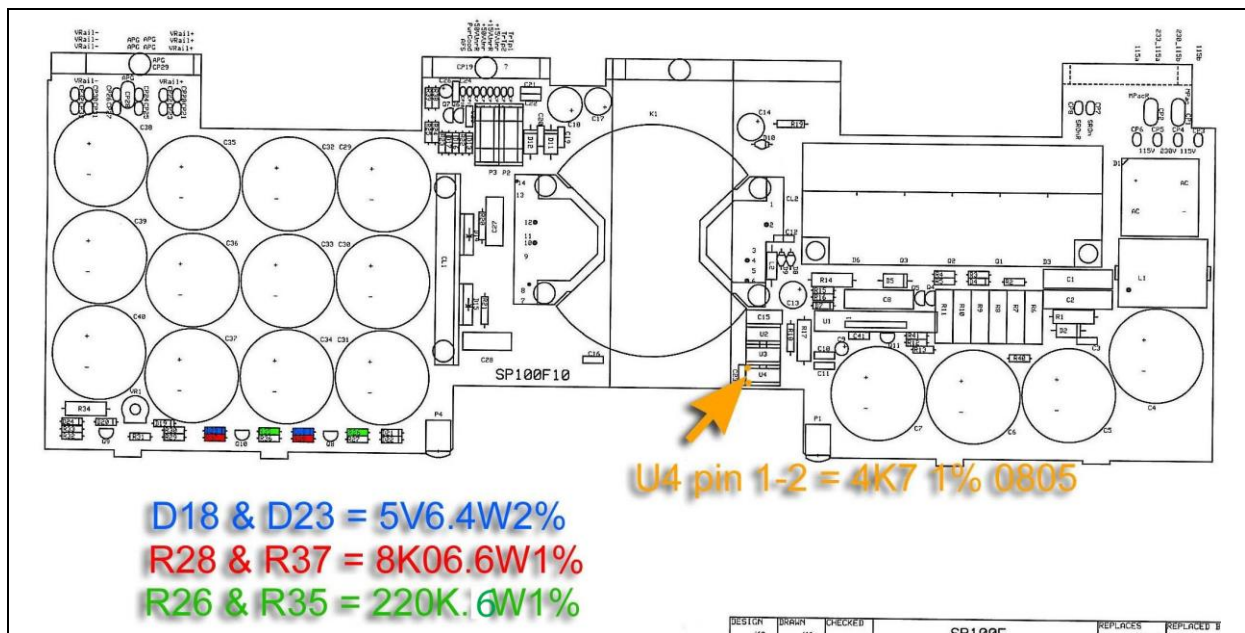
### **1.Solution**

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Update the OVP circuit

Instruction approved for	
PCB Revision	BOM Version
SP100FXXX-XXX	All

Part No.	Description	Amount	Info	Pos
5V6.4W2%	Diode Zener 5V6 .4W 2%	2		D18, D23
220K.6W1%	Resistor Metal Film 220k .7W 1%	2		R26, R35
8K06.6W1%	Resistor Metal Film 8k06 .6W 1%	2		R28, R37
4K7.125W1% 0805	4K7.125W1%0805	1		U4 pin 1-2
SSP100F10d-FXX	Sticker SSP100F10d-FXX	1		



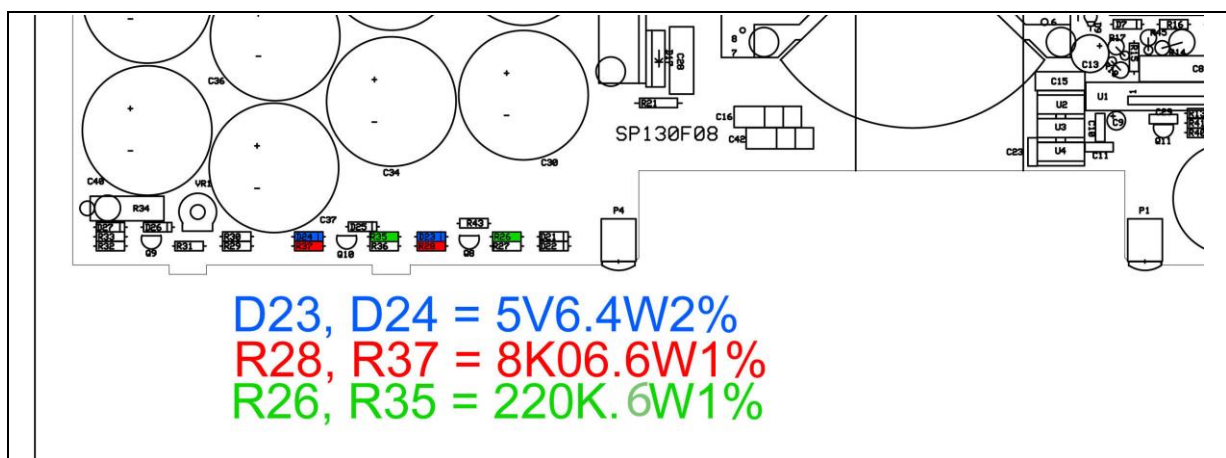
1.	Note! 4K7.125W1% resistor is mounted on solder side		
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between pin 1 & 2 .		
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Instruction approved for		
PCB Revision	F-version	BOM version
SP130F02	F01, F03, F04, F05	All
SP130F04	F01, F03, F04, F05	All
SP130F08	F01, F03, F04, F05	All
SP130F10	F01, F03, F04, F05	a,b

Part No.	Description	Amount	Info	Pos
5V6.4W2%	Diode Zener 5V6 .4W 2%	2		D23, D24
220K.6W1%	Resistor Metal Film 220k .7W 1%	2		R26, R35
8K06.6W1%	Resistor Metal Film 8k06 .6W 1%	2	160V	R28, R37
SP130F10c-F01	Smps 13kW flyback Rev10,vers.c, Final Assembly type 01	1		

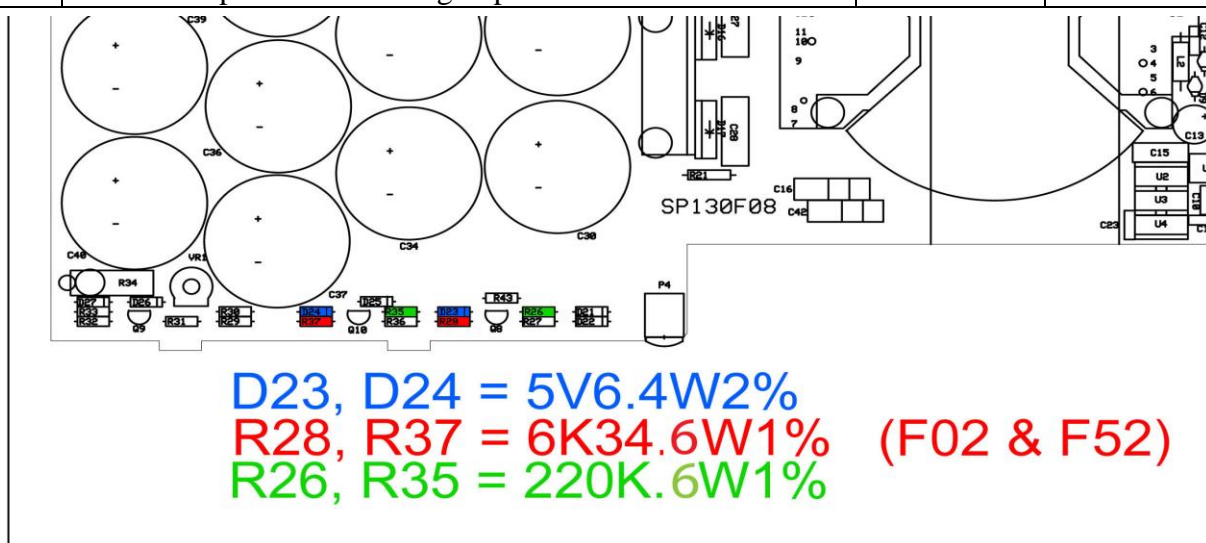
2.	Mount components according to picture.		
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Instruction approved for		
PCB Revision	F-version	BOM Version
SP130F02	F02	All
SP130F04	F02	All
SP130F08	F02	All
SP130F10	F02	a,b

Part No.	Description	Amount	Info	Pos
5V6.4W2%	Diode Zener 5V6 .4W 2%	2		D23, D24
220K.6W1%	Resistor Metal Film 220k .6W 1%	2		R26, R35
6K34.6W1%	Resistor Metal Film 6k34 .6W 1%	2	200V	R28, R37
SSP130F08g-FXX	Sticker SP130F08g-FXX	1		

3. Mount components according to picture.



### Service repair report forms

Write “Technical Service Bulletin no.34” in the service repair report form, column “Repair Remedy” besides other normal repair information.

### History

Date	Created By	Status	Bulletin no.	Comment
20130308	AR	Old	34	This bulletin supersedes nr16 Updated OVP instructions
20140408	ALRIQ	Sharp	34	Service report from information added