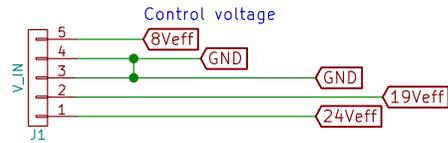


Reverse engineered  
**Michael Büsch** <m@bues.ch>

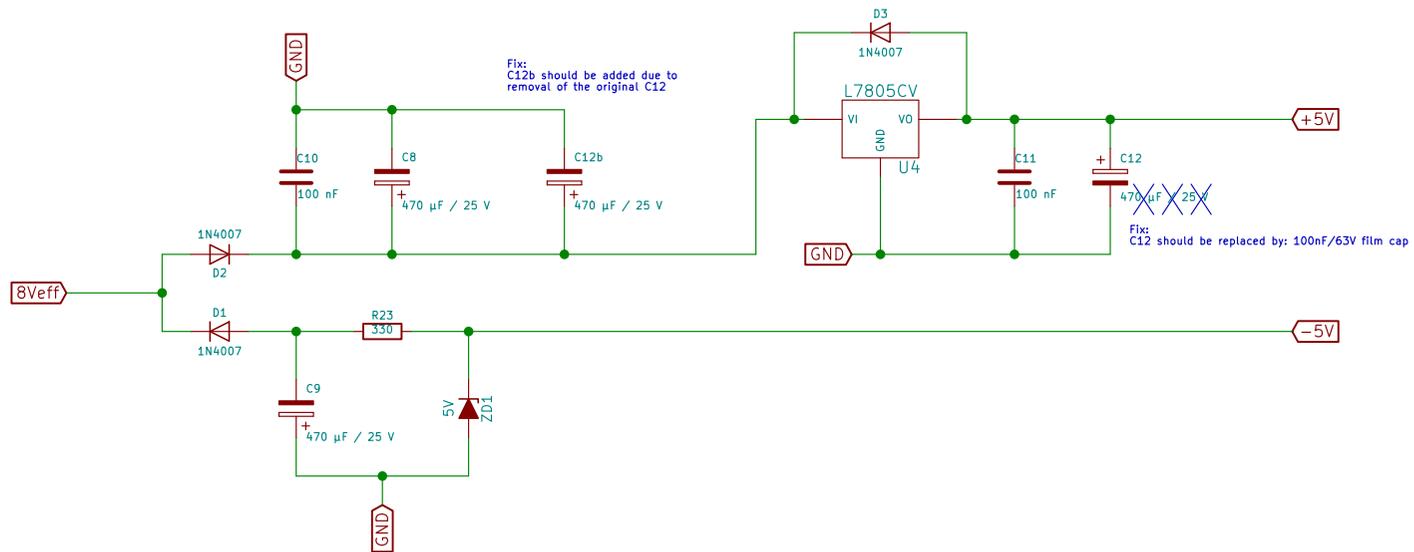
Sheet: /  
 File: lf1600.sch

**Title: Xytronic LF-1600**

Size: A4	Date:	Rev: 1.1
KiCad E.D.A. kicad 4.0.6+dfsg1-1		Id: 1/5



Supply voltage  
 19Veff is not connected  
 24Veff is labeled as "24V", but actually is 31 V (eff)



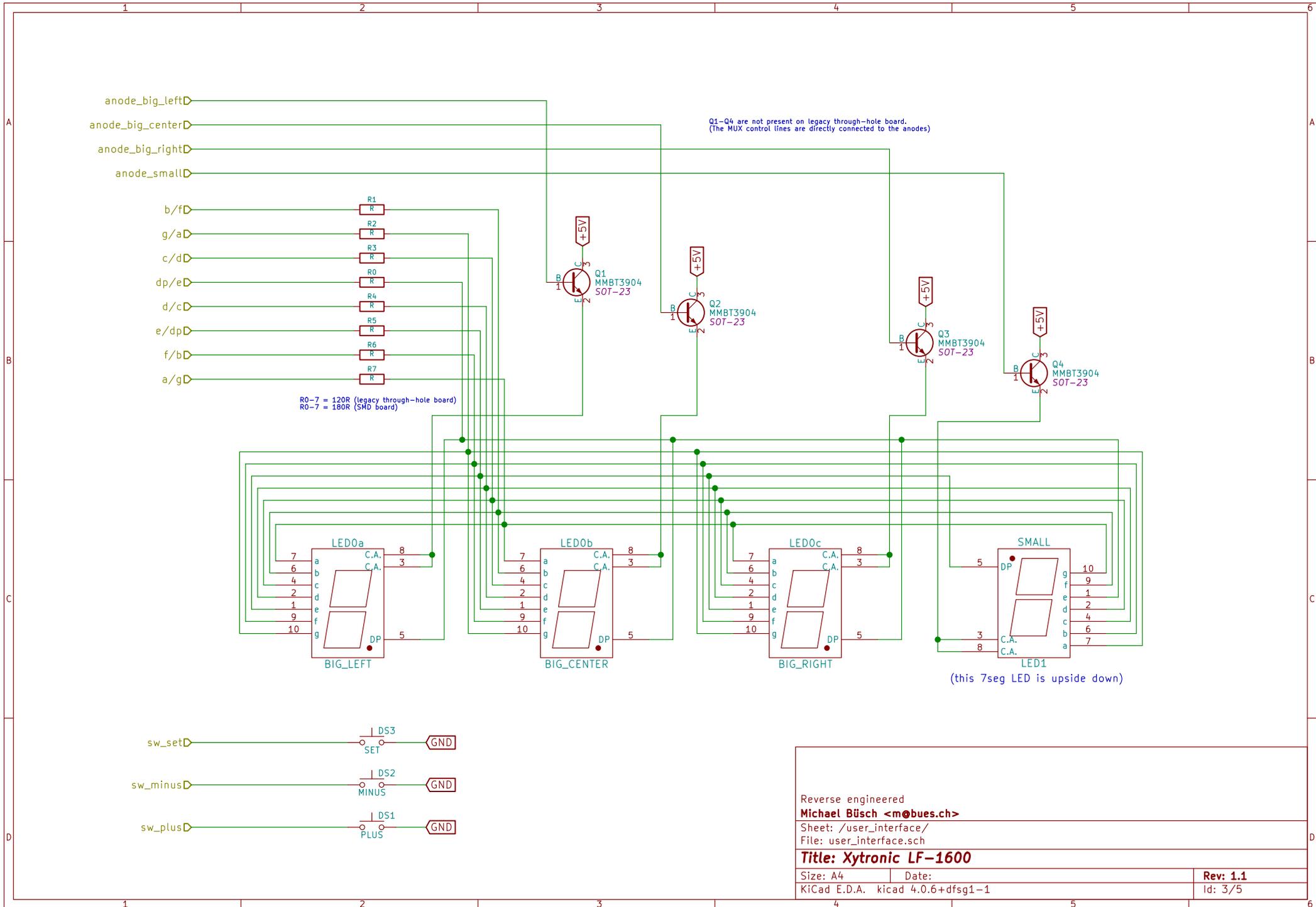
Reverse engineered  
 Michael Büsch <m@bues.ch>

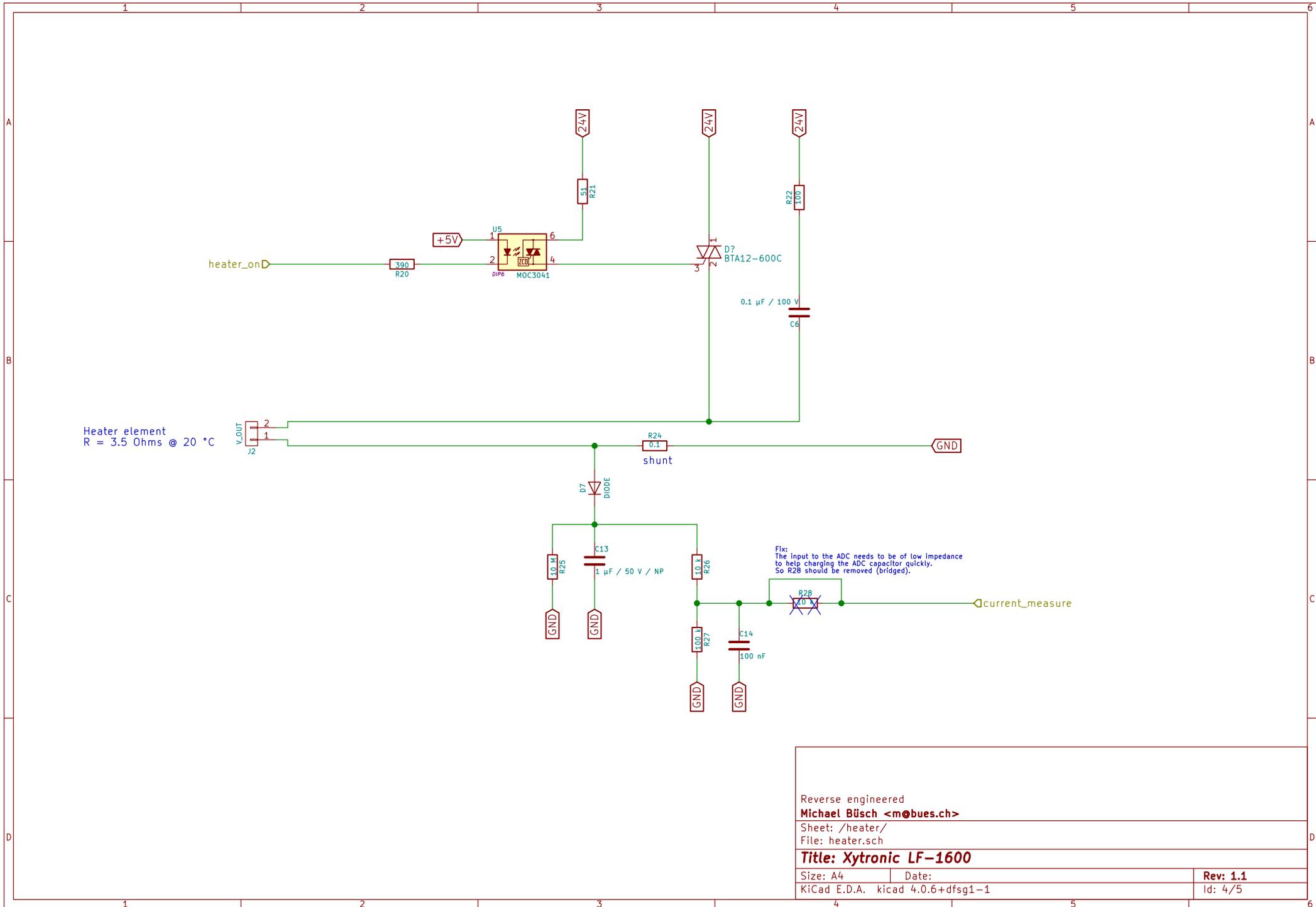
Sheet: /supply/  
 File: supply.sch

**Title: Xytronic LF-1600**

Size: A4 Date:  
 KiCad E.D.A. kicad 4.0.6+dfsg1-1

Rev: 1.1  
 Id: 2/5

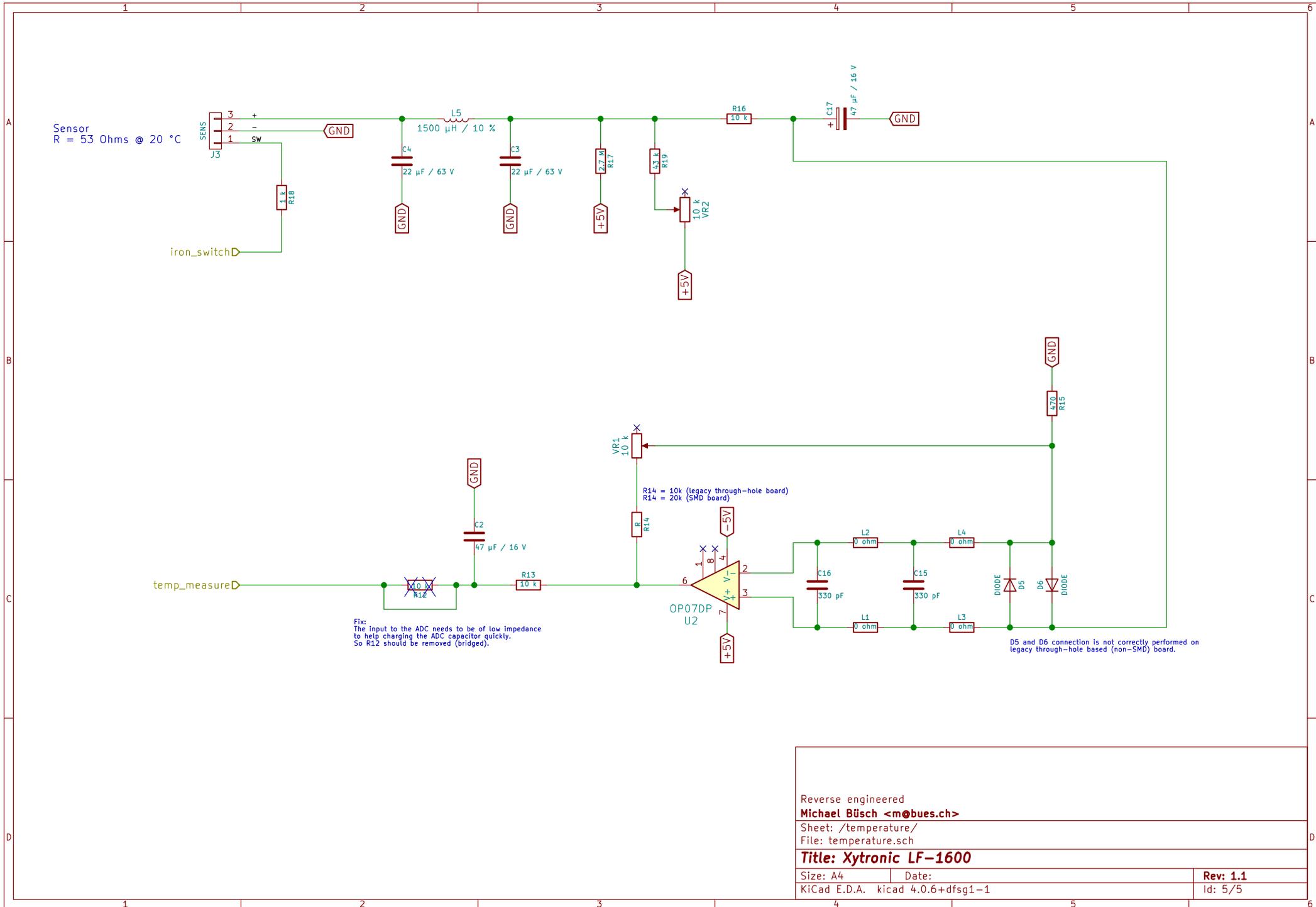




Heater element  
R = 3.5 Ohms @ 20 °C

Fix:  
The input to the ADC needs to be of low impedance  
to help charging the ADC capacitor quickly.  
So R28 should be removed (bridged).

Reverse engineered	
<b>Michael Büsch</b> <m@buesch>	
Sheet: /heater/	
File: heater.sch	
<b>Title: Xytronic LF-1600</b>	
Size: A4	Date:
KiCad E.D.A. kicad 4.0.6+dfsg1-1	Rev: 1.1
	Id: 4/5



Sensor  
R = 53 Ohms @ 20 °C

Fix:  
The input to the ADC needs to be of low impedance  
to help charging the ADC capacitor quickly.  
So R12 should be removed (bridged).

D5 and D6 connection is not correctly performed on  
legacy through-hole based (non-SMD) board.

Reverse engineered  
**Michael Büsch <m@bues.ch>**

Sheet: /temperature/  
File: temperature.sch

**Title: Xytronic LF-1600**

Size: A4 Date:  
KiCad E.D.A. kicad 4.0.6+dfsg1-1

Rev: 1.1  
Id: 5/5