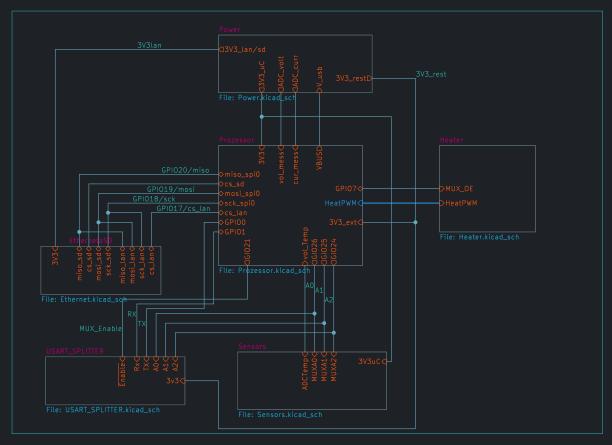
### **Connections**







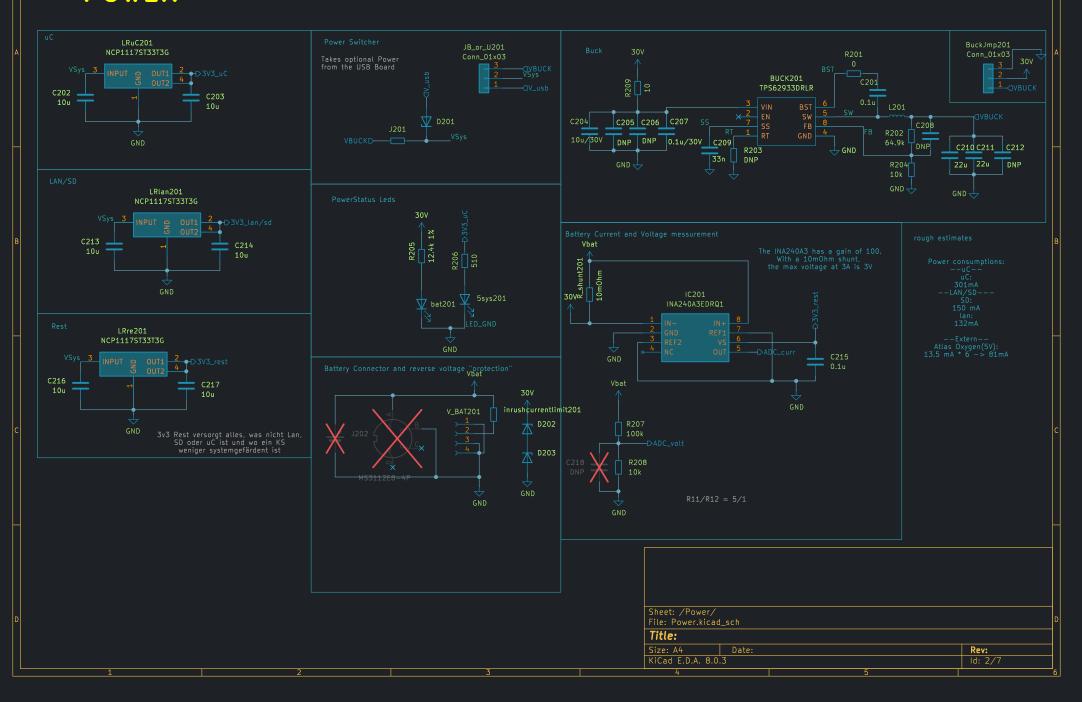
#### Bekannte Designfehler

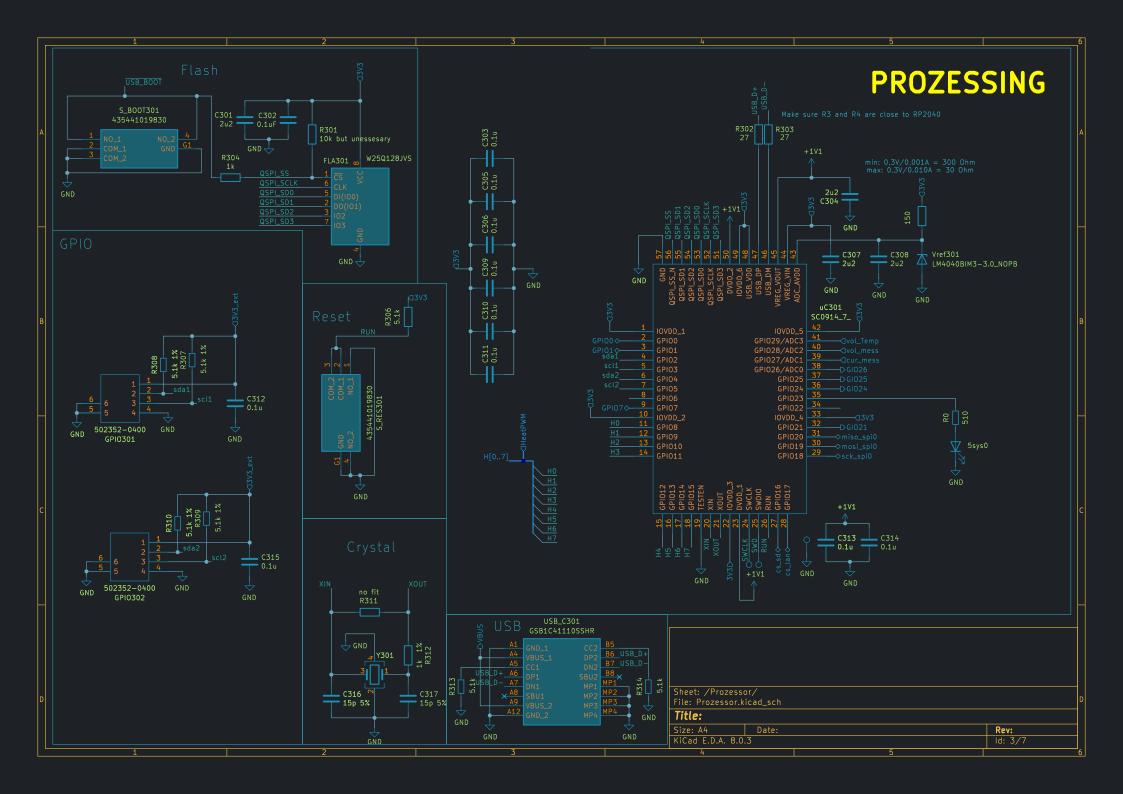
- keine seperate Analog/HF Groundplanes
- no ESD Protection
- Buck Heat Condensators won't decharge if heater off
- Inrush current limiting Resistor has to handle way to mutch power
- Oxygen UART O Pins swapped
- Oxygen 4 =! Probe 4, same goes for 5. Fix MUX
- Lowpass/PI filter on analog singals

#### optional Upgrades

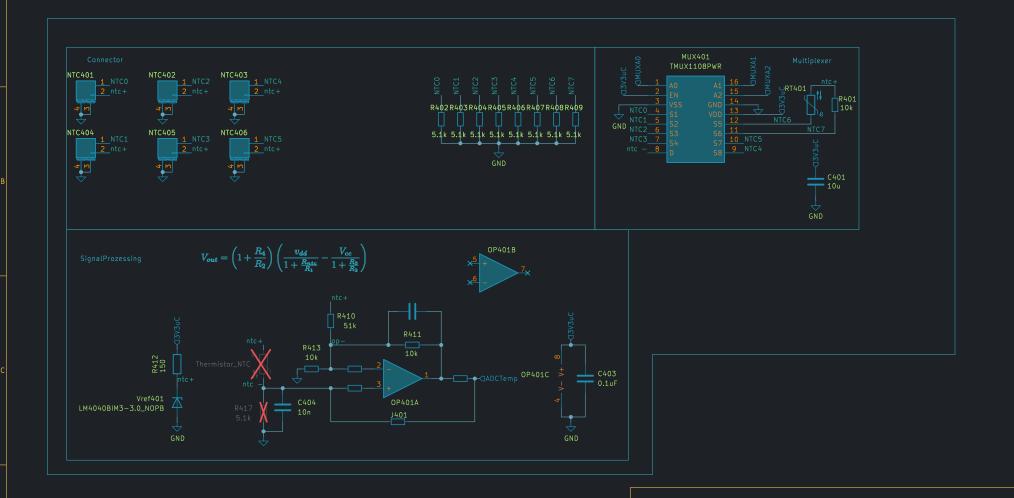
- LDOs unnesessary before digital signals.
- better buck with filter
- USB-PD
- replace LDOs with low noise buck converter
- Rs hunt betwenn +VCC and 3V3 Opamp, Ground unused Opamp Inputs, extra opamp LDO
- EMF Capasitor Switcher

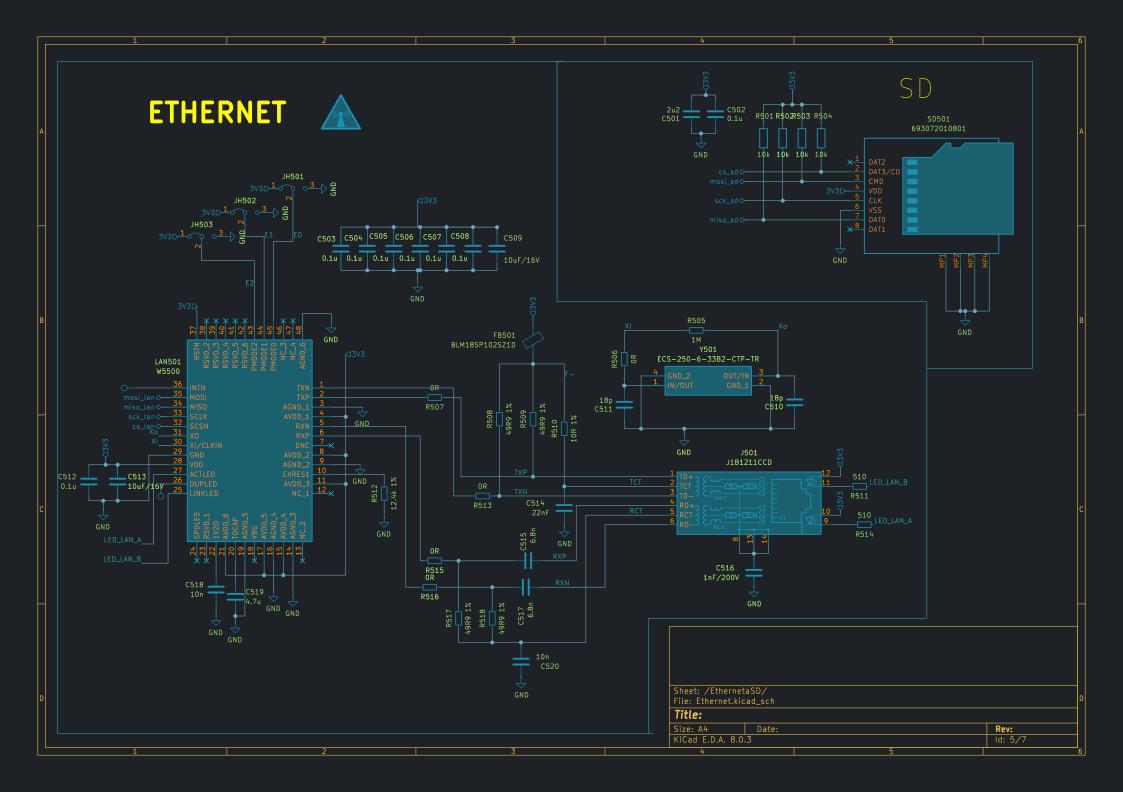
### **POWER**



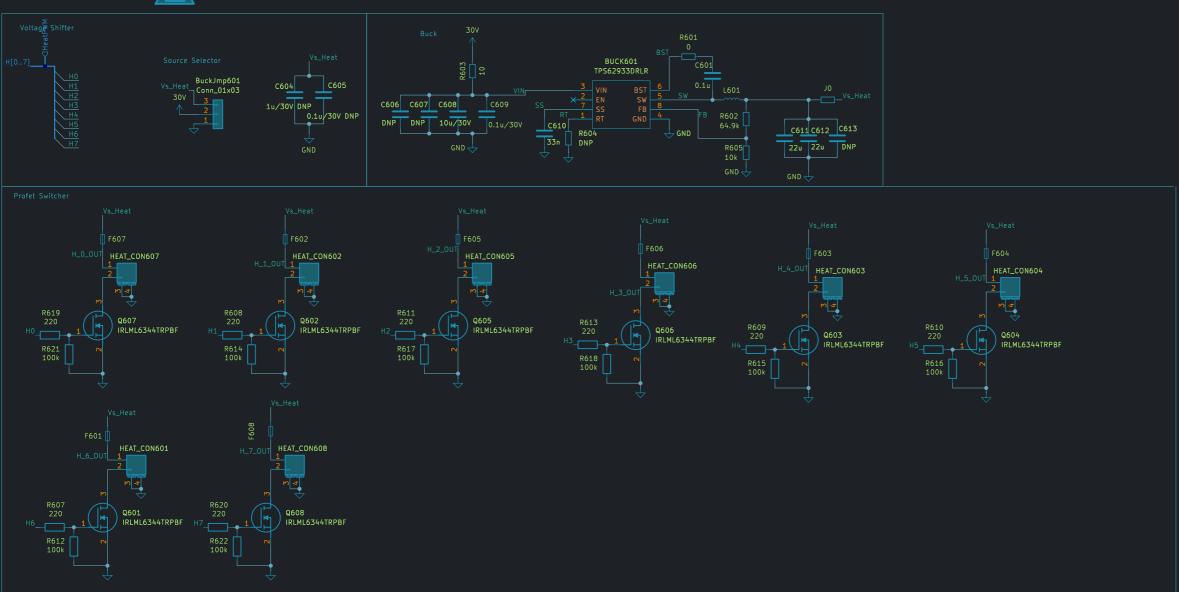


## **Thermistors**









# **USART MUX**

