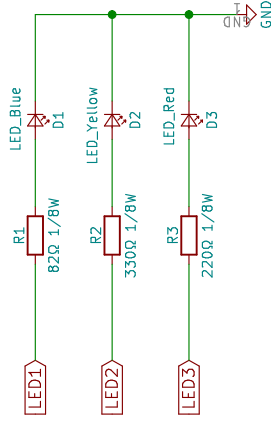


SEDS

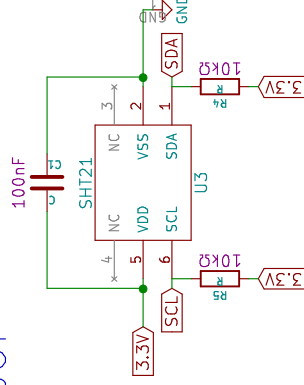


SHT21 Sensor

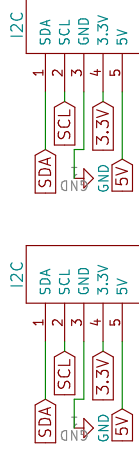
The Sensirion SHT21 sensor measures both temperature and humidity.

Temperature

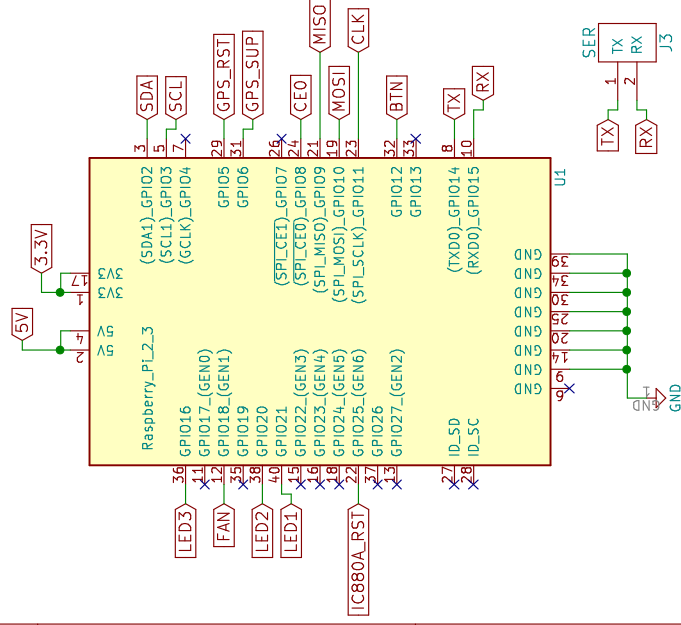
measurements are accurate to $\pm 0.3^{\circ}\text{C}$, humidity is accurate to $\pm 2\%\text{RH}$.



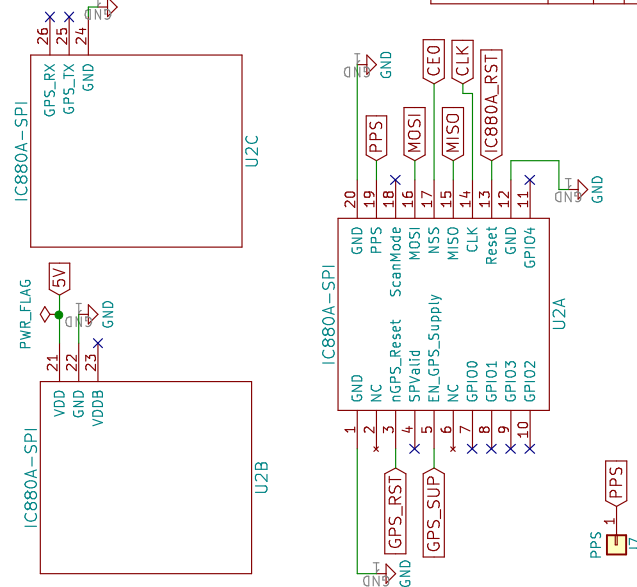
^{12}C Breakouts



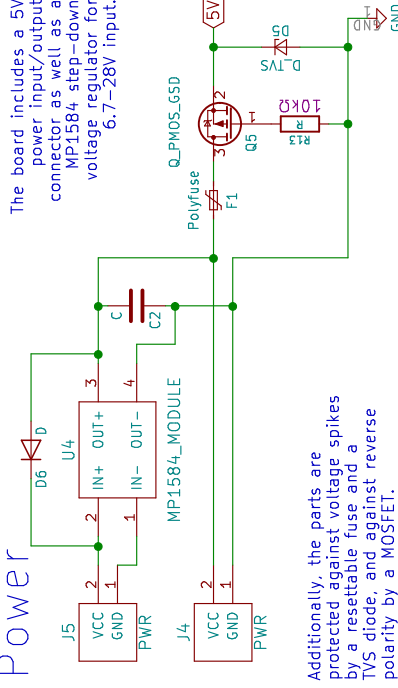
Raspberry Pi



• iC80A



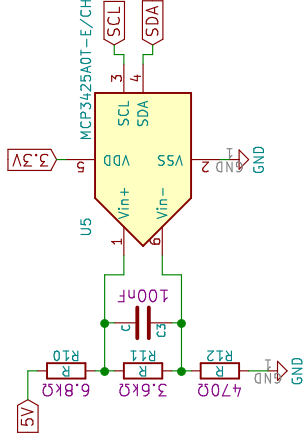
Power



Additionally, the parts are protected against voltage spikes by a resettable fuse and a TVS diode, and against reverse polarity by a MOSFET.

AD

This is a 16-Bit Analog-to-Digital Converter that is wired up to measure the Raspberry Pi supply voltage.

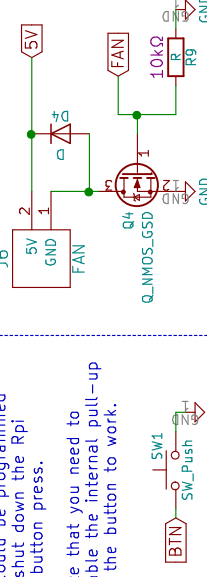


Button

A simple button connected to GPIO12. It could be programmed to shut down the Rpi on button press.

DC Fan

Connector for a 5V DC fan with a flyback diode.



Buy from <https://shop.coredump.ch/>
Danilo Bargen / Coredump Rapperswil

Sheet: /
File: backplane.sch

Title: iC880A RPi Backplane

Size: A4	Date: 2018-01-17
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KiCad E.D.A. kicad 4.0.7

Rev: v1.5

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