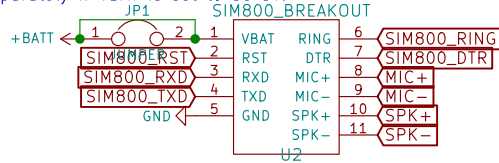
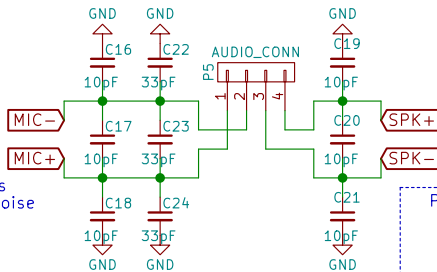


There's a NC jumper to disconnect GSM modem from VBAT if needed, to allow using the GSM modem with another power supply attached separately if VBAT is set to be 5V.

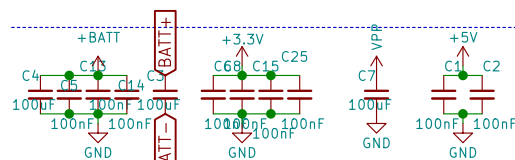
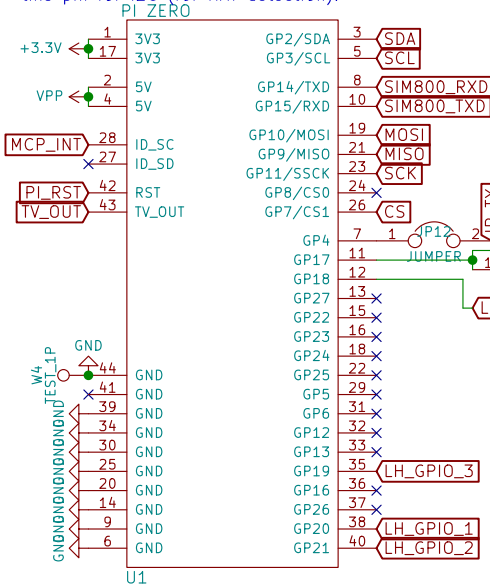


All the SIM800 signals available on the breakout are connected to GPIOs. The SIM800 library is not yet complete, and it's unclear what pins we'll actually need, so I'm staying safe.



Audio filtering. Is optional but solves problems with GSM noise affecting audio.

While ID_SC is polled by Pi GPU before Linux boots, it should be safe to connect it to MCP interrupt output because both are open-collector when GPU is using this pin for I2C (for HAT detection).



MCP23017 is a cheap way to get more GPIOs for RPi, and it has kernel drivers and Raspberry Pi Device Tree blobs, so it can appear as native Linux GPIOs.

