

power

File: power.kicad_sch

coreboard

File: coreboard.kicad_sch

mechanics

File: mechanics.kicad_sch

audio-codec

File: audio-codec.kicad_sch

audio-inputs

File: audio-inputs.kicad_sch

audio-outputs

File: audio-outputs.kicad_sch

audio-headphones

File: audio-headphones.kicad_sch

control-voltage

File: control-voltage.kicad_sch

spdif

File: spdif.kicad_sch

usb

File: usb.kicad_sch

midi

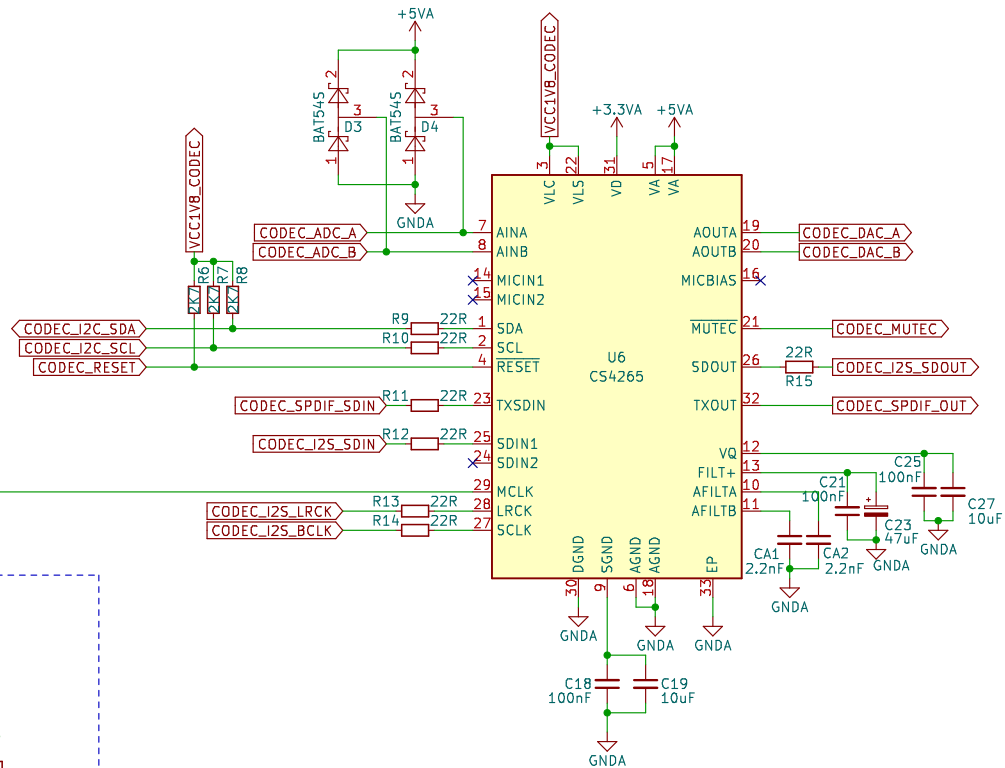
File: midi.kicad_sch

control-chain

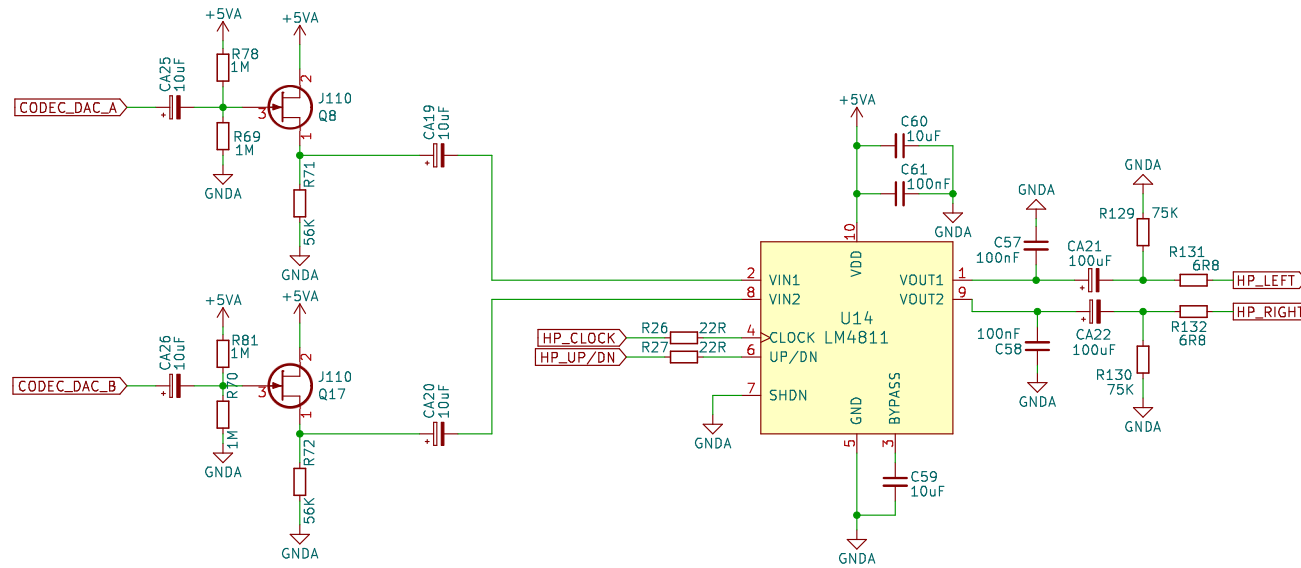
File: control-chain.kicad_sch

Notes

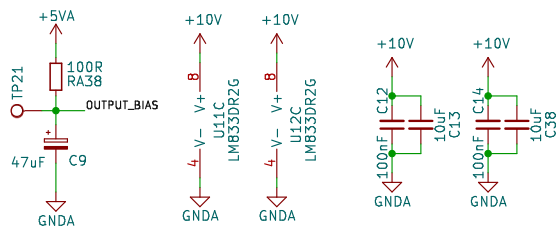
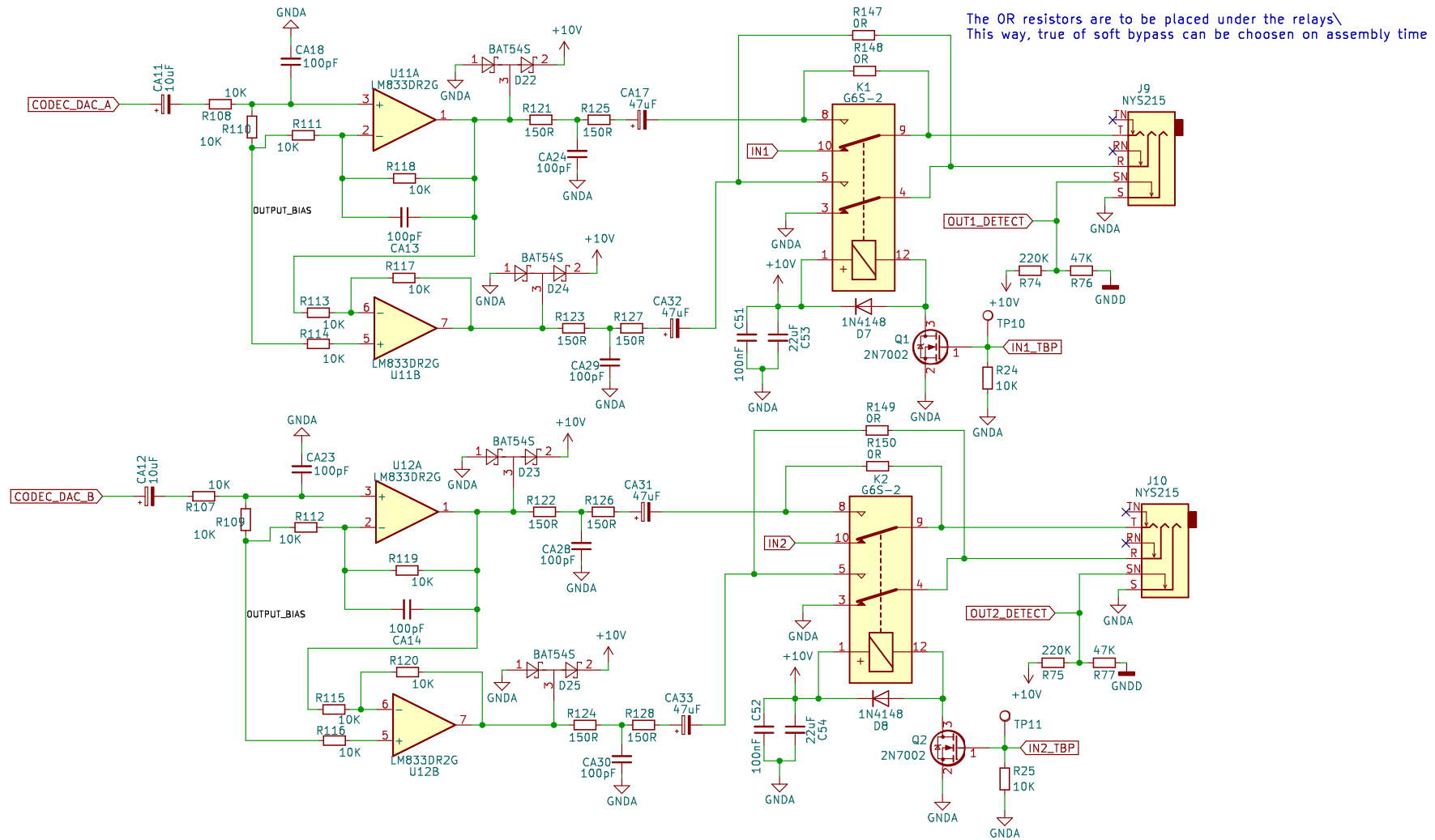
- All resistors named as RA* must have at least 1% tolerance
- All non-polarized capacitors named as CA* must use NP0 Temp. Coef.
- All other non-polarized capacitors should use X7R Temp. Coef.
- Decoupling caps must be placed as close as possible of the IC power pins
- IC's such as the codec, ADC, DAC, headphone amplifier, EEPROM should not be changed to maintain software compatibility



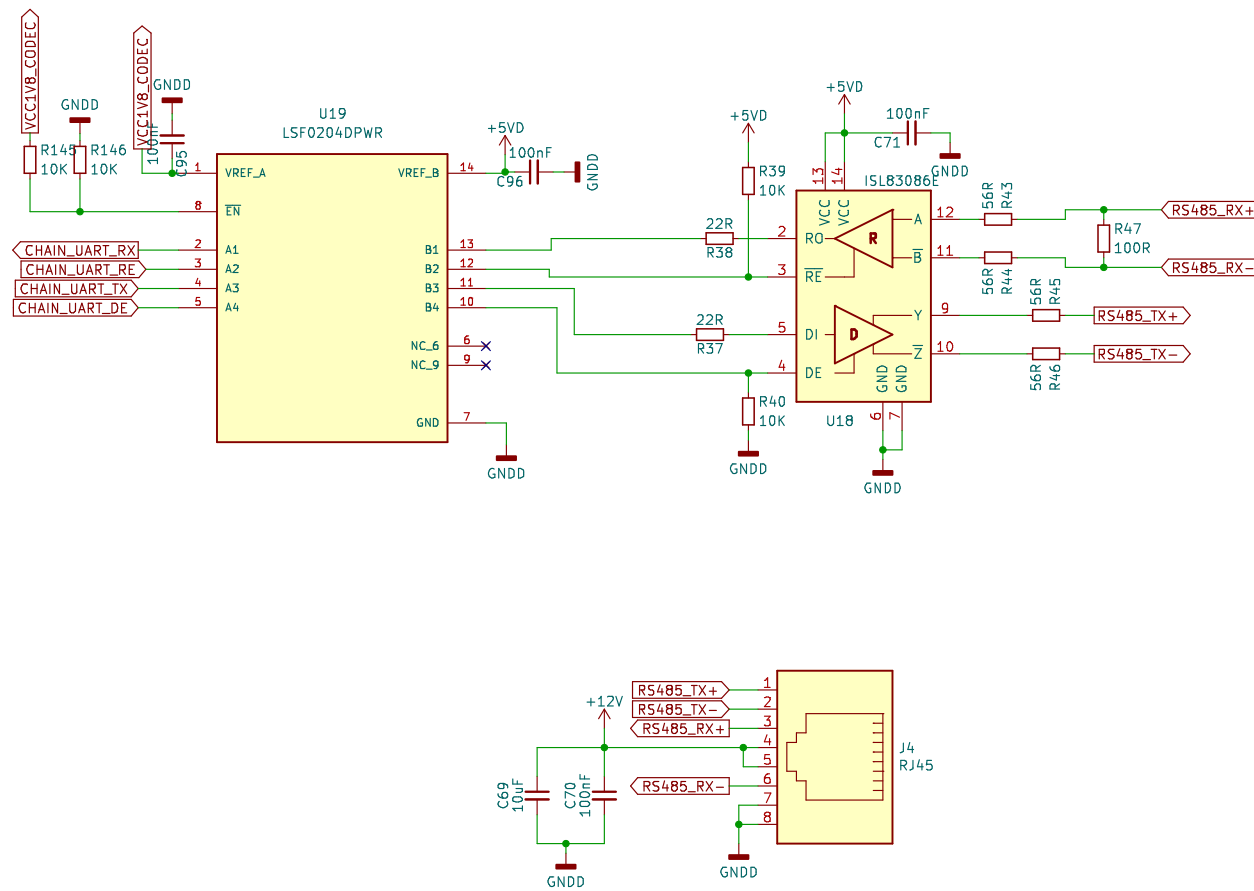
The series resistor at I2S_MCLK must only be placed when the xtal is not placed, and vice versa.

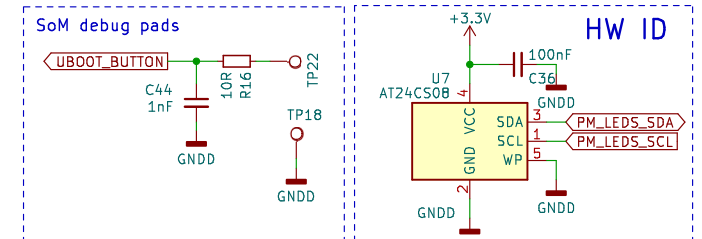
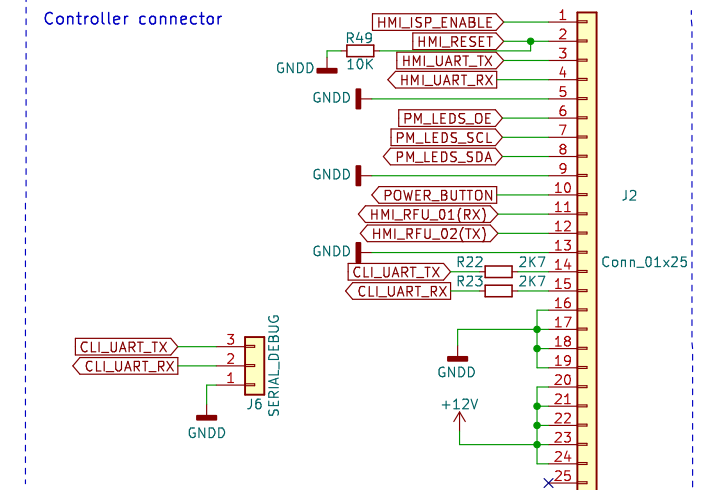
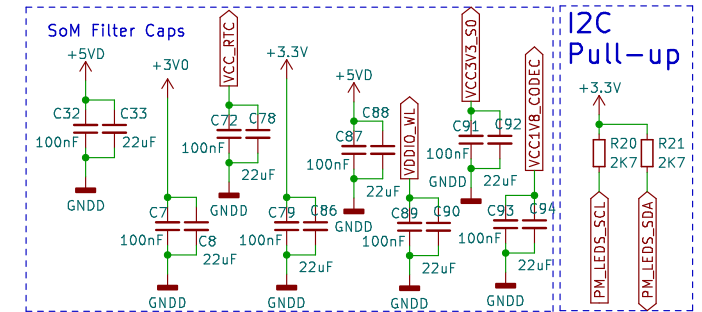
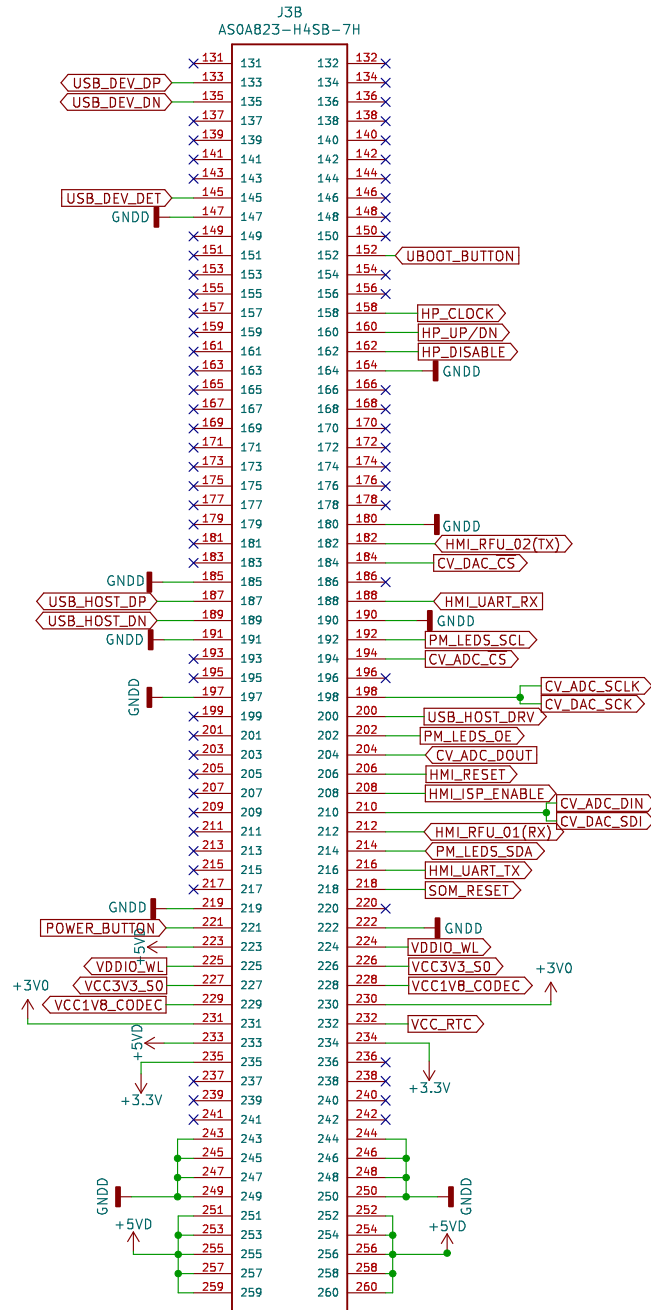
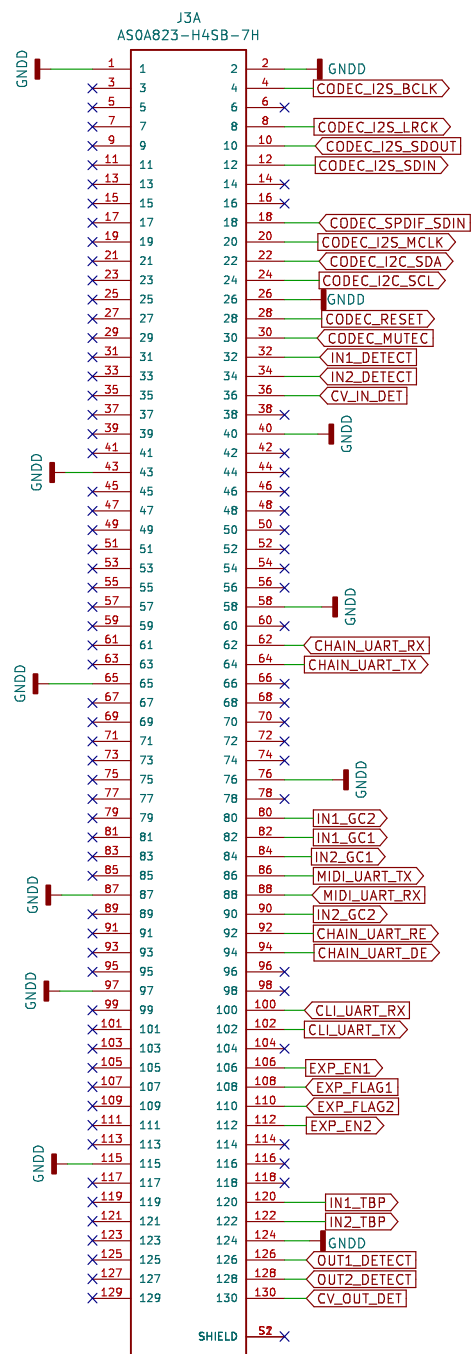


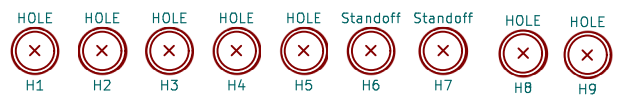
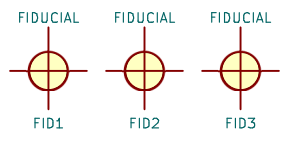
HP circuit values designed for Dual 70mW @ $R_L=32\Omega$



These R can not both be placed!
Different models have EN pin pol switched

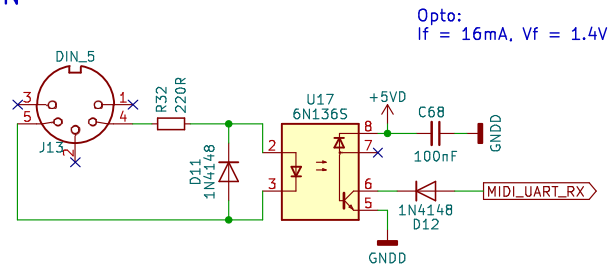




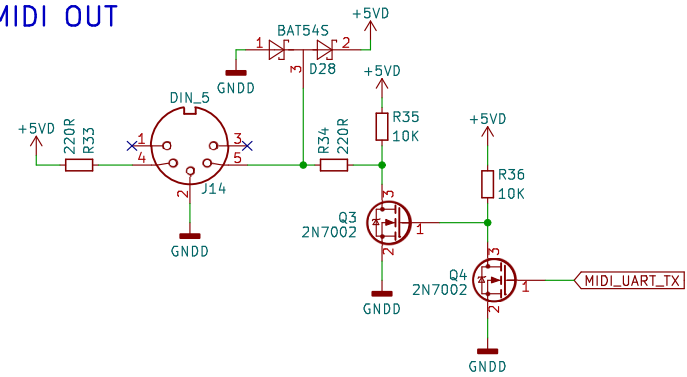


IMG1
Logo

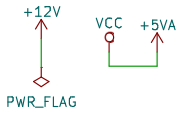
MIDI IN



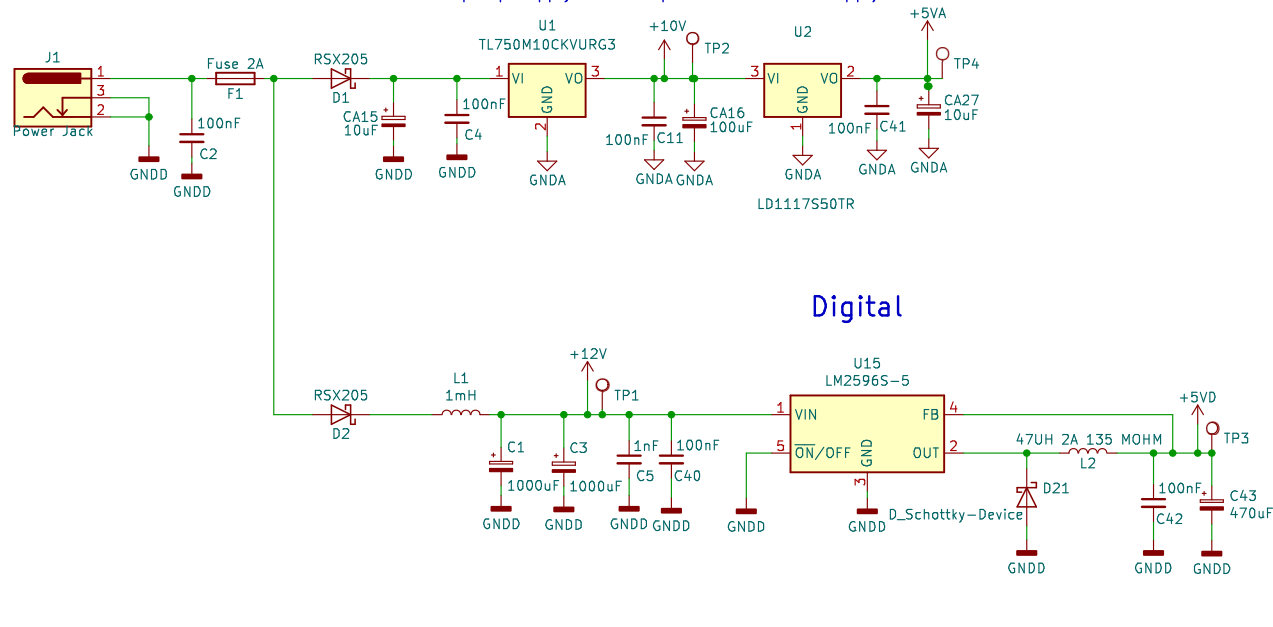
MIDI OUT



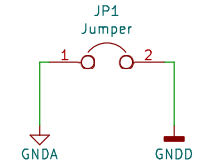
Analog

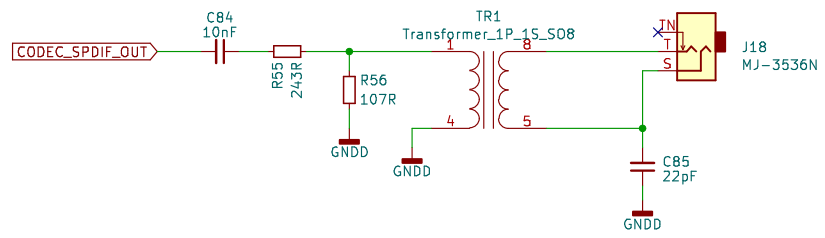


10V for audio opamp supply. 5V as Input Bias + codec supply

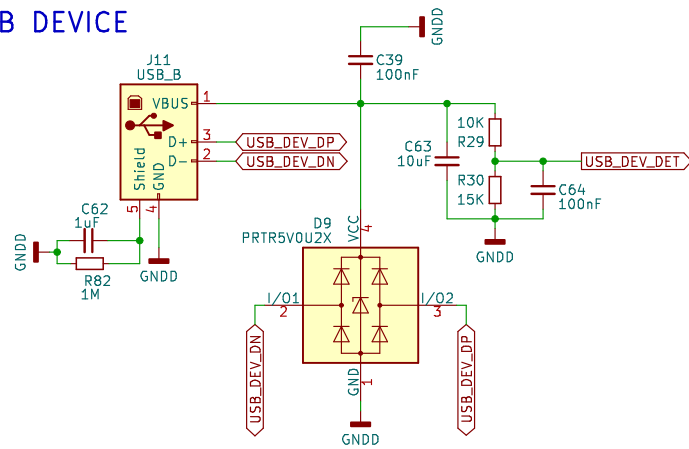


Only to be merged at codec ground





USB DEVICE



USB HOST

