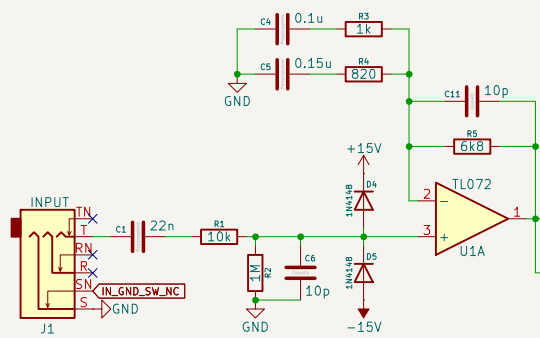
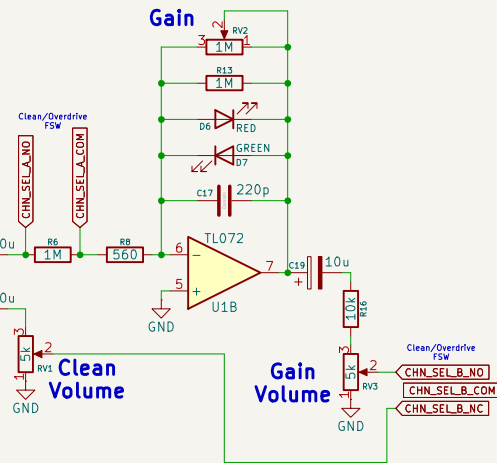


Input

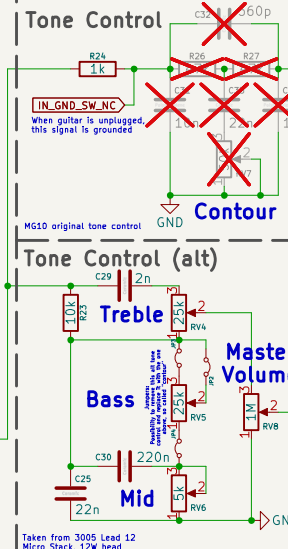


My take at designing a guitar amp, starting from Marshall MG10 following this analysis:
<https://www.electromash.com/marshall-mg10>

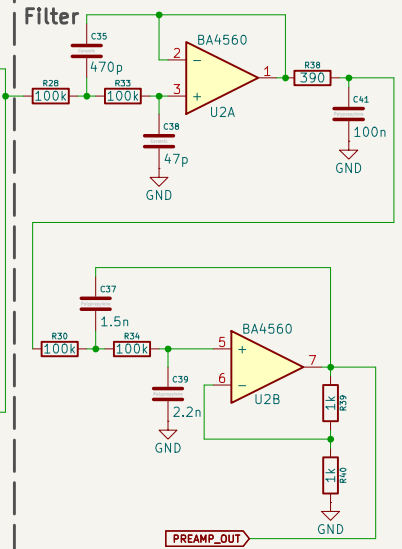
Overdrive



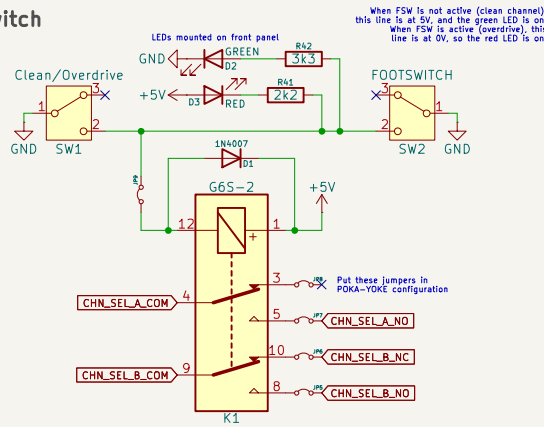
Tone Control



Filter



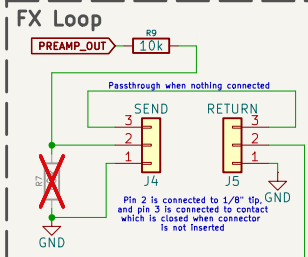
Footswitch



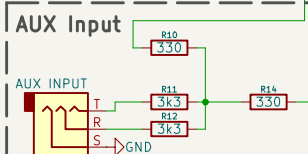
Channel select can be done via panel switch, or via footswitch. Each control just pulls one line to ground, which activates the relay, and selects overdriven signal, thus default signal is clean.

Relay OMRON G6S-2 DC5

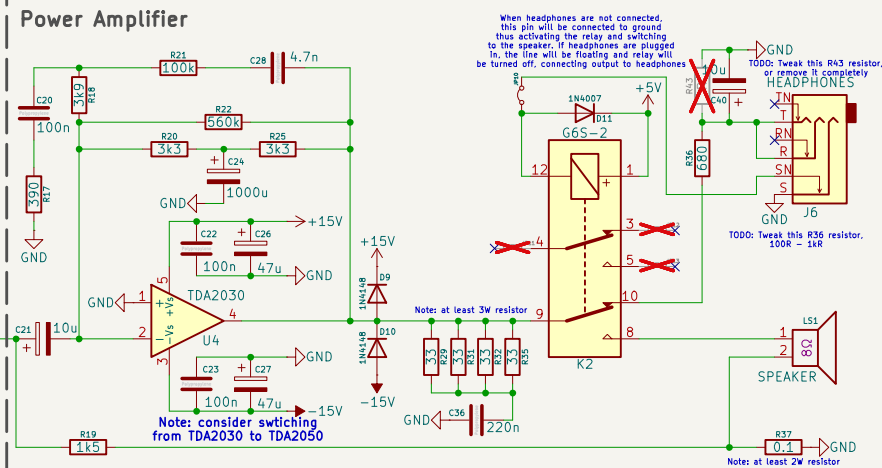
FX Loop



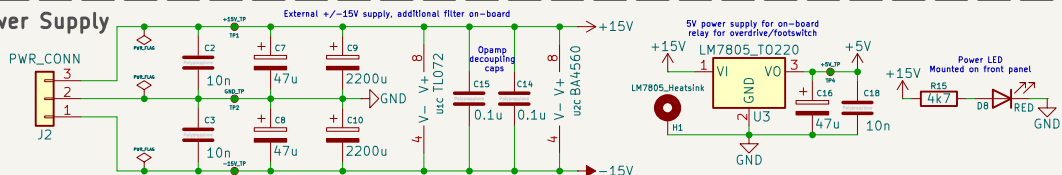
AUX Input



Power Amplifier



Power Supply



Aleksa Heler

Sheet: /
 File: my_mg10.kicad_sch

Title: Marshall MG10 Custom

Size: A4 Date: 2025-08-19
 KiCad E.D.A. 9.0.1

Rev: v1.0

Id: 1/1