

Sheet: /12V Buck/
File: 12V_Buck.kicad_sch

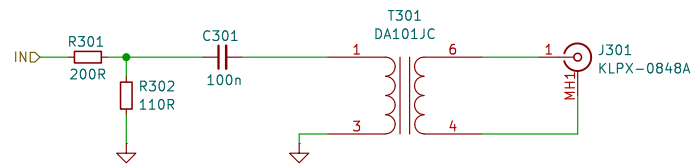
Title:

Size: A5
KiCad E.D.A. 8.0.5

Date:

Rev:

Id: 2/6



Sheet: /SPDIF out/
File: spdif_out.kicad_sch

Title:

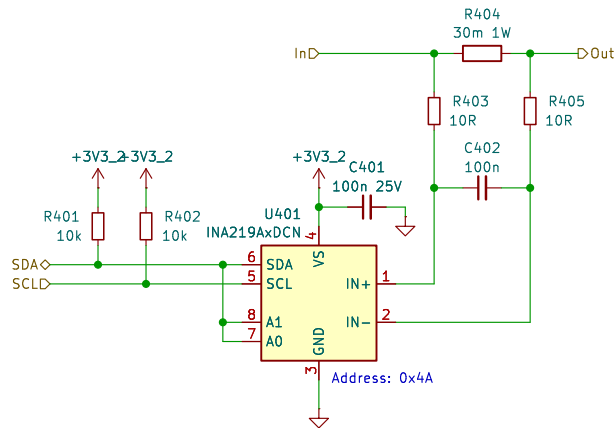
Size: A4

Date:

KiCad E.D.A. 8.0.5

Rev:

Id: 3/6



See datasheet to configure this chip properly.
Linux driver exists (INA2xx), however it's been updated in mainline in 2024.
Sense resistor selected for the maximum current of 5A and 160mV sense range.

Sheet: /Power Monitor/
File: power_monitor.kicad_sch

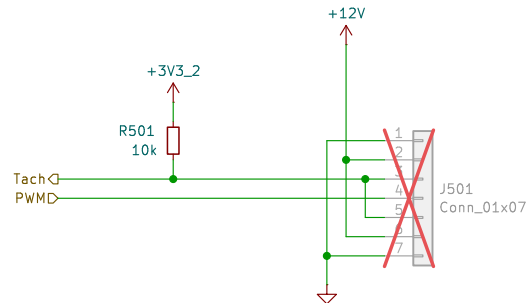
Title:

Size: A5
KiCad E.D.A. 8.0.5

Date:

Rev:

Id: 4/6



I couldn't find any horizontal fan connector from a reputable vendor. For this reason, I placed this footprint that allows for mounting any fan connector on the market and in any orientation.

3-pin fans won't have RPM control though.

Sheet: /Fan Header/
File: fan_header.kicad_sch

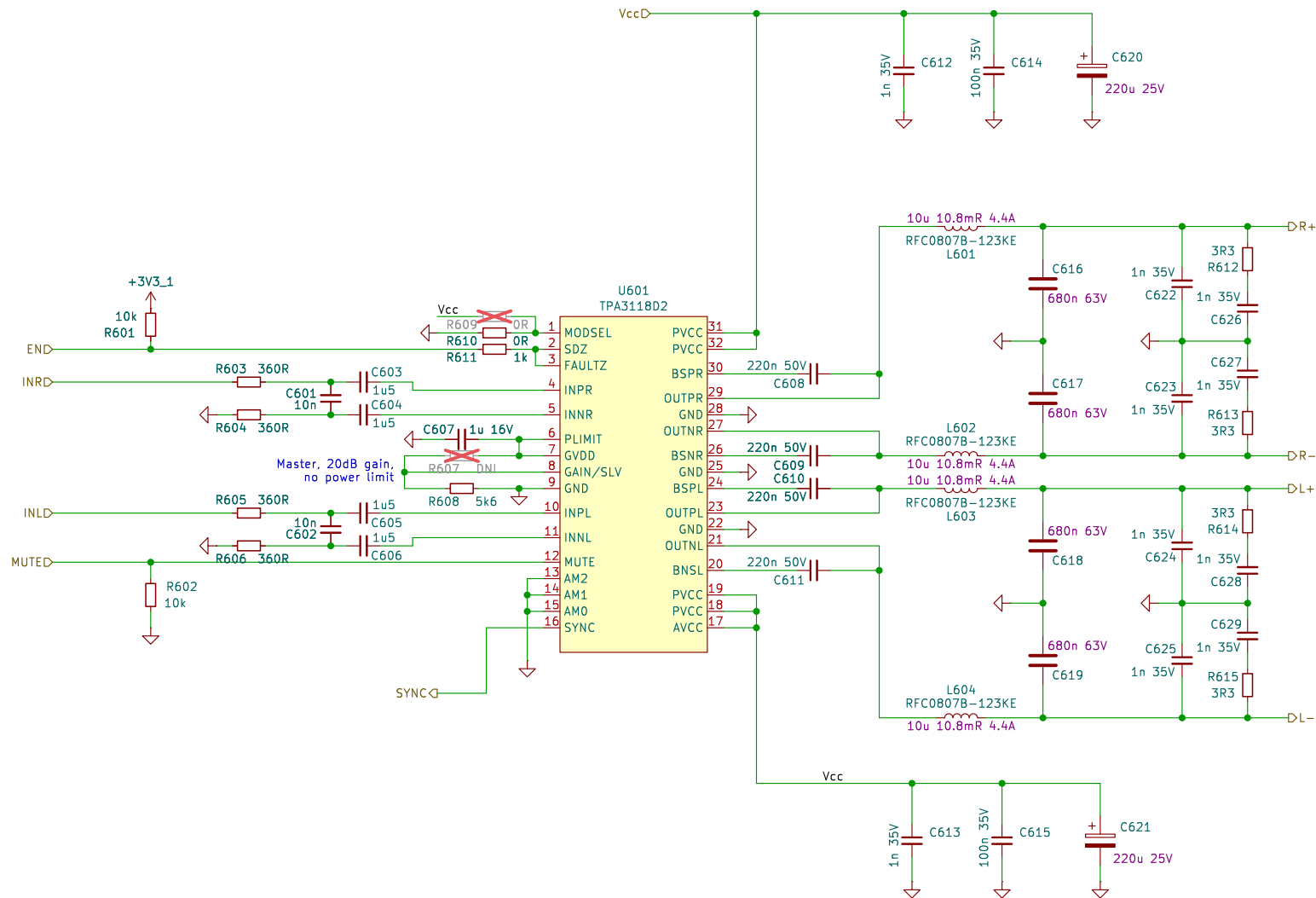
Title:

Size: A5
KiCad E.D.A. 8.0.5

Date:

Rev:

Id: 5/6



Sheet: /Audio Power Amp/
File: audio_power_amp.kicad_sch

Title:

Size: A4
KiCad E.D.A. 8.0.5

Date:

Rev:
Id: 7/6