
File: 1-microcontroller.sch


File: 2-steckverbinder.sch

File: 3-spannungsversorgung.sch

File: 4-suchlauf-in.sch

Check Your Understanding

File: 5-fernbedienung.sch

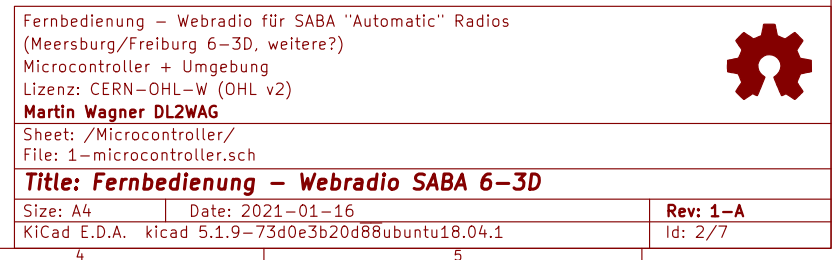
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File: 6-audio.sch

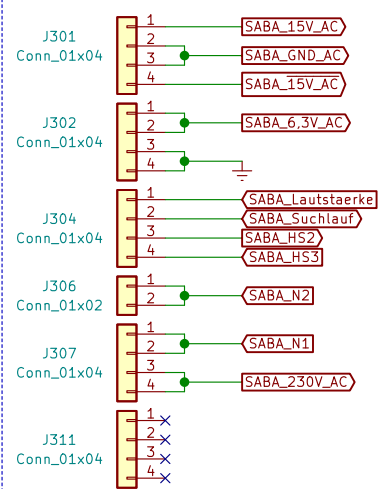


Title: Fernbedienung – Webradio SABA 6-3D

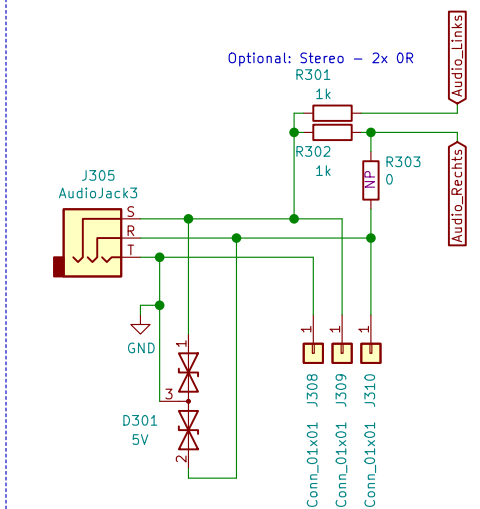
Rev: 1-A
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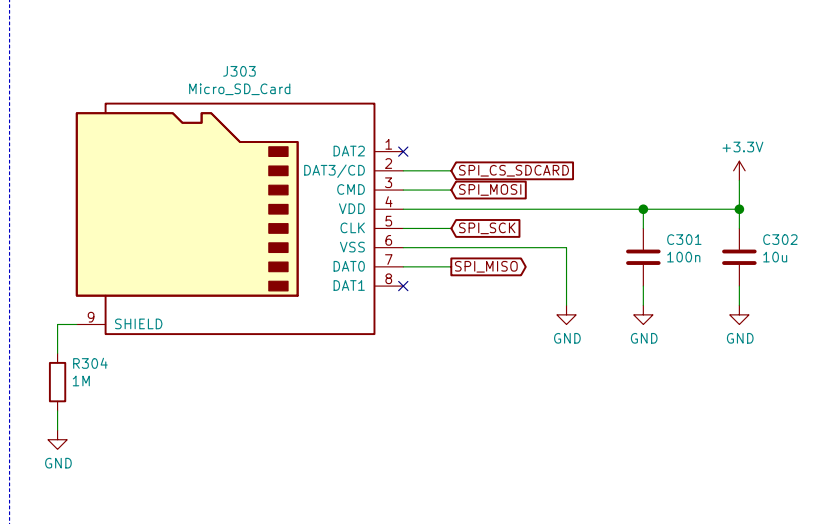
Anschlusstecker Radio



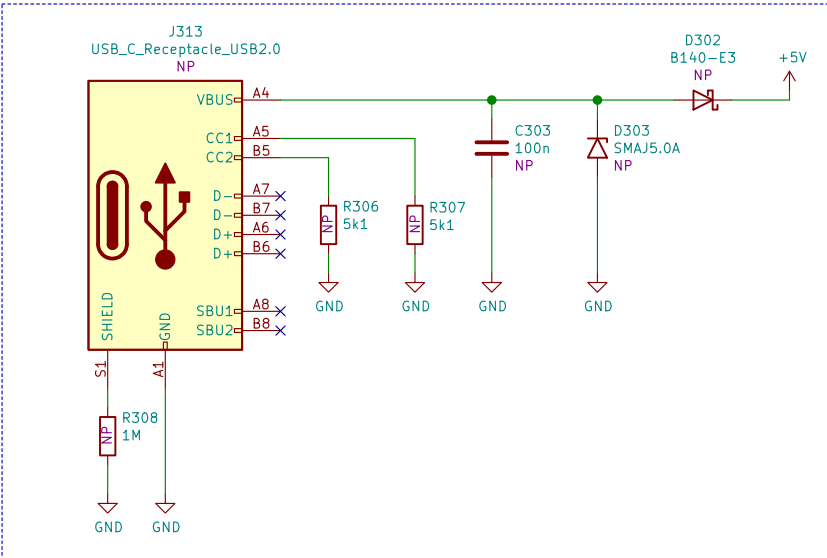
Anschlusstecker Radio Audio



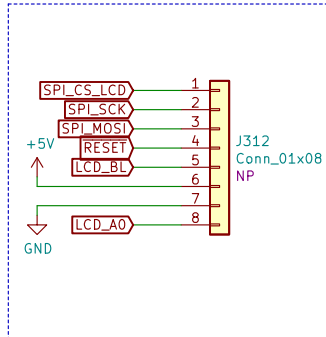
Micro SD Karte (Optional)



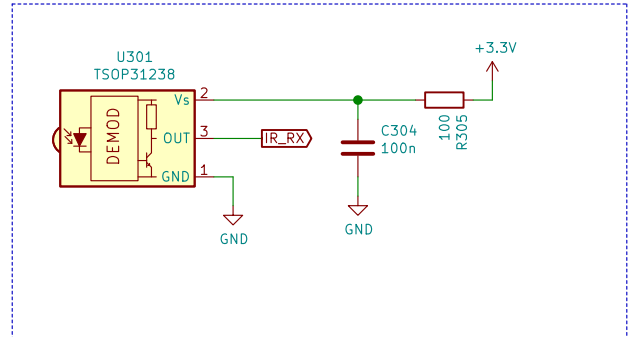
Spannungsversorgung USB (optional)



TFT (optional)



Infrarot Fernbedienung (optional)



Fernbedienung – Webradio für SABA "Automatic" Radios
(Meersburg/Freiburg 6–3D, weitere?)

Anschlüsse und Buchsen

Lizenz: CERN-OHL-W (OHL v2)

Martin Wagner DL2WAG

Sheet: /Steckverbinder/

File: 2-steckverbinder.sch

Title: Fernbedienung – Webradio SABA 6–3D

Size: A4

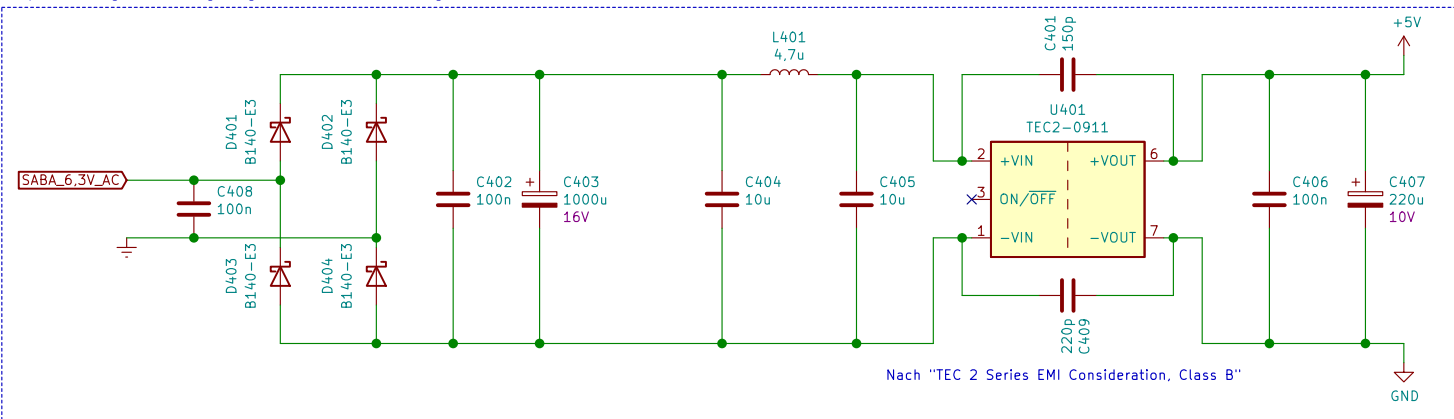
Date: 2021-01-16

Rev: 1–A

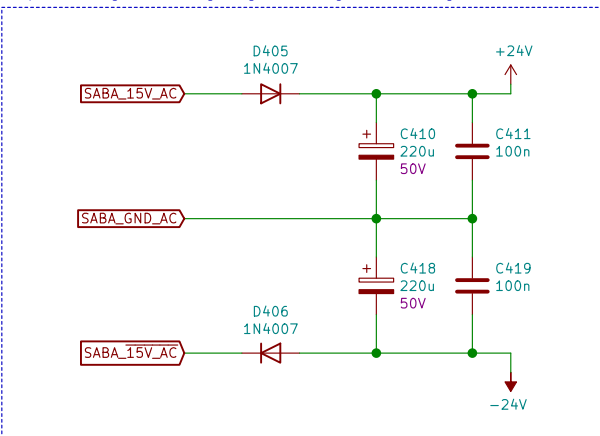
KiCad E.D.A. kicad 5.1.9–73d0e3b20d88ubuntu18.04.1

Id: 3/7

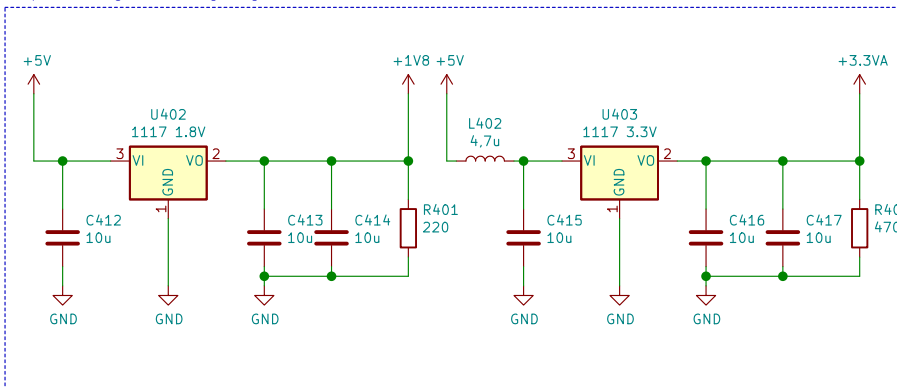
Spannungsversorgung 5V mit Trennung GND



Spannungsversorgung Analogschaltung Suchlauf



Spannungsversorgung Audio Codec/DAC



Fernbedienung – Webradio für SABA "Automatic" Radios
(Meersburg/Freiburg 6–3D, weitere?)

Lizenz: CERN–OHL–W (OHL v2)

Martin Wagner DL2WAG

Sheet: /Spannungsversorgung/

File: 3–spannungsversorgung.sch

Title: Fernbedienung – Webradio SABA 6–3D

Size: A4

Date: 2021–01–16

Rev: 1–A

KiCad E.D.A. kicad 5.1.9–73d0e3b20d88ubuntu18.04.1

Id: 4/7

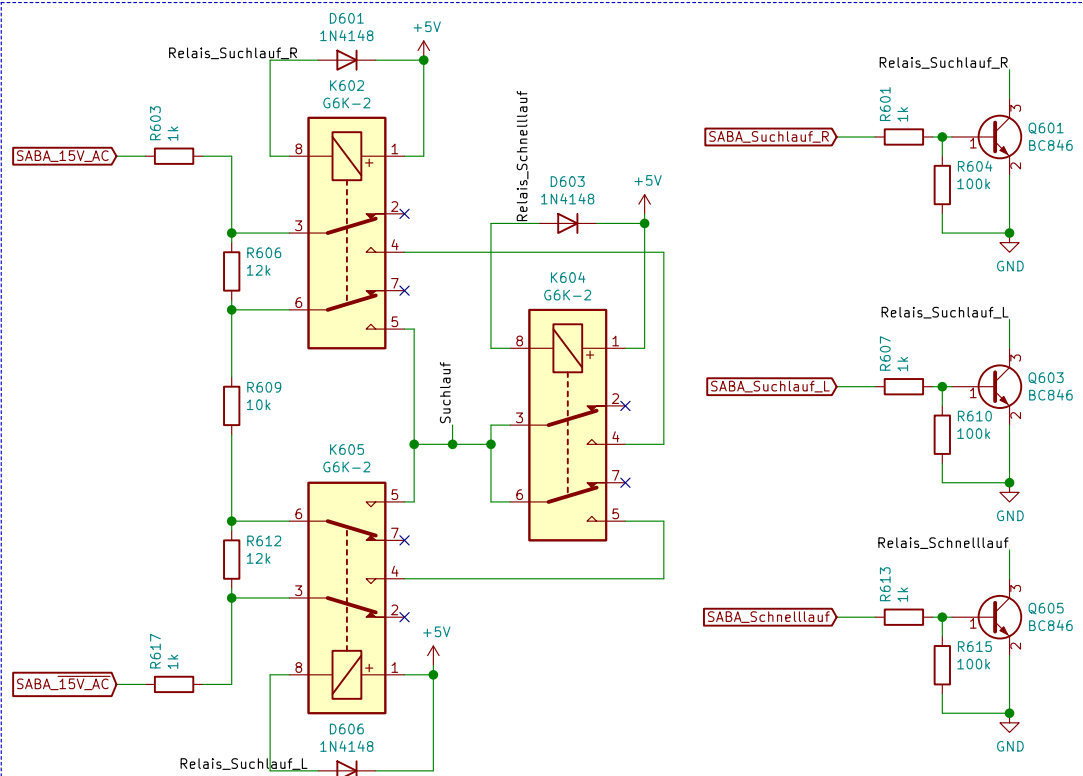


The diagram shows a two-stage amplifier circuit. The first stage, U501A (ADA4522-2), is configured as a voltage follower with a gain of 1. It takes the SABA_Suchlauf signal as input and outputs the Amplitude signal. The second stage, U501B (ADA4522-2), is configured as a voltage follower with a gain of 1. It takes the SABA_15V_AC signal as input and outputs the Phase signal. Both stages use 1N4148 diodes (D502, D501) and SMAJ33CA diodes (D504, D503) for protection. The circuit includes various resistors (R502, R503, R504, R505, R506, R507, R508, R509, R510) and capacitors (C503, C504, C505) for biasing and filtering.

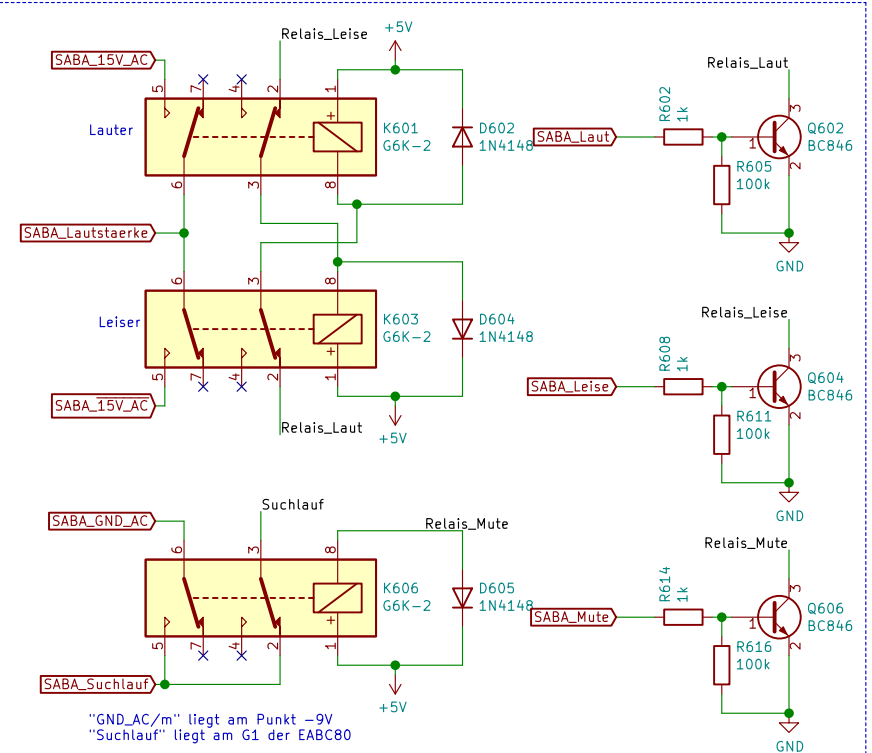
Id: 5/7



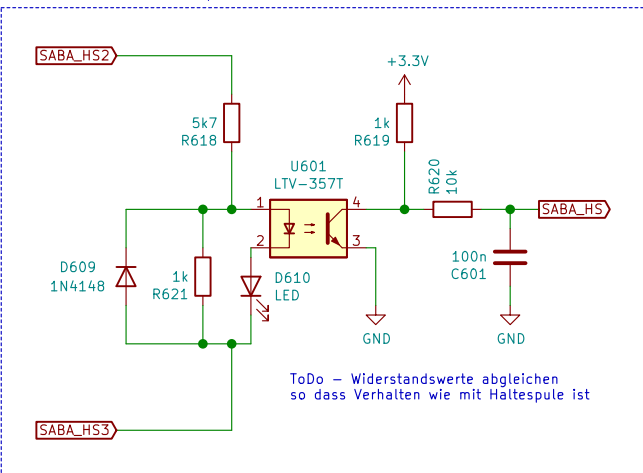
Suchlauf



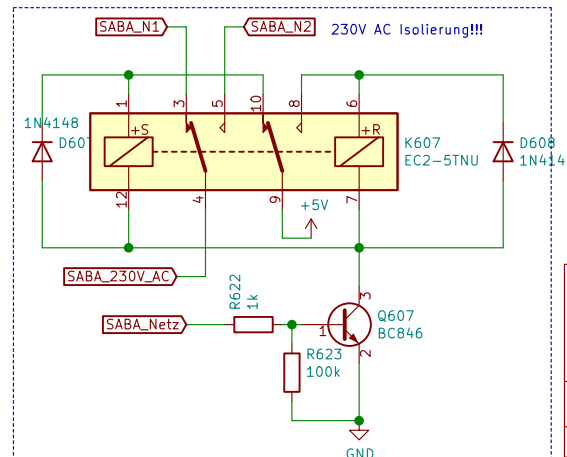
Lautstärke



Suchlauf Halte"spule"



Netzschalter



Fernbedienung – Webradio für SABA "Automatic" Radios
(Meersburg/Freiburg 6–3D, weitere?)

Fernbedienung
Lizenz: CERN-OHL-W (OHL v2)

Martin Wagner DL2WAG

Sheet: /Fernbedienung/
File: 5-fernbedienung.sch

Title: Fernbedienung – Webradio SABA 6–3D

Size: A4 Date: 2021-01-16

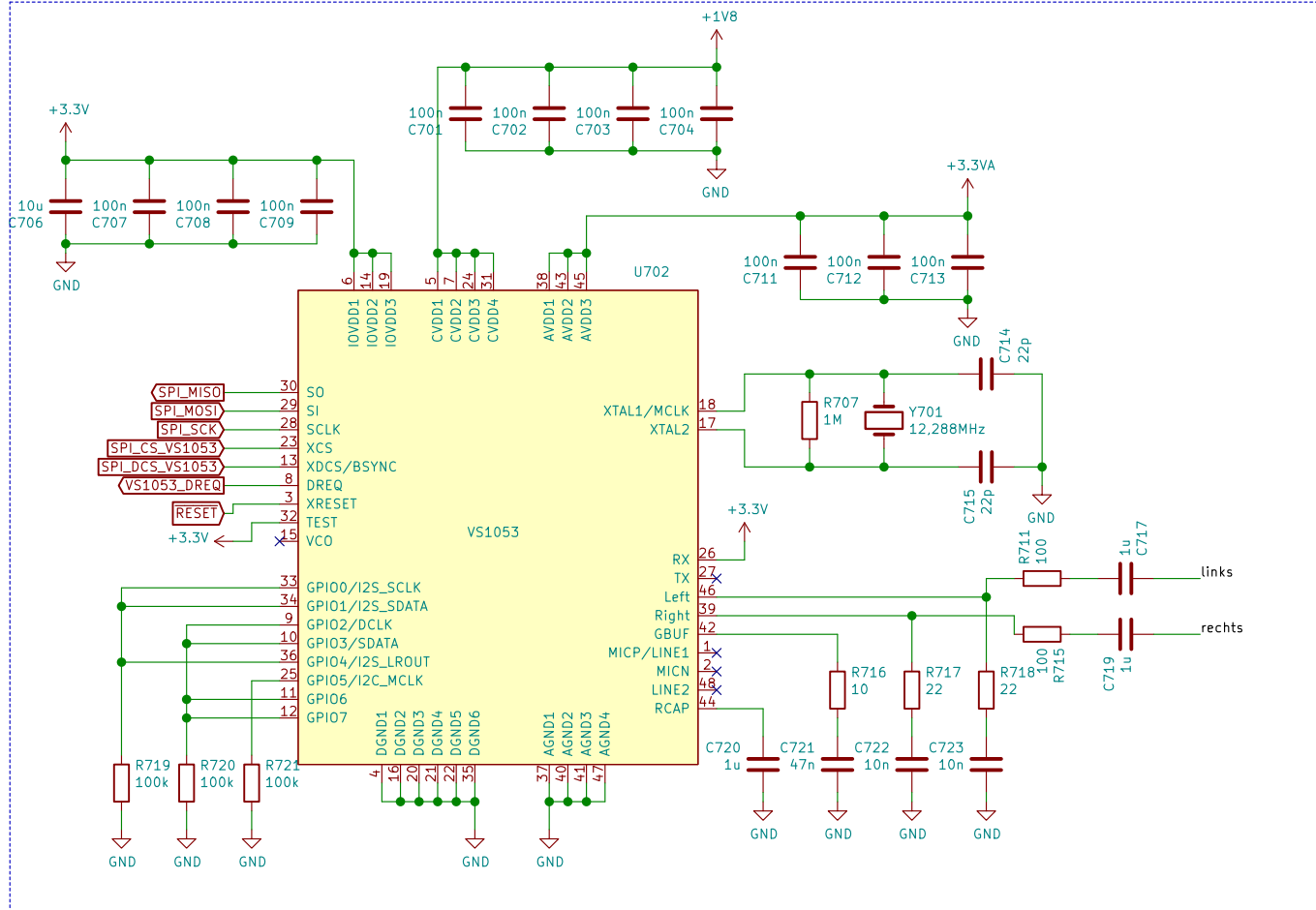
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Rev: 1–A

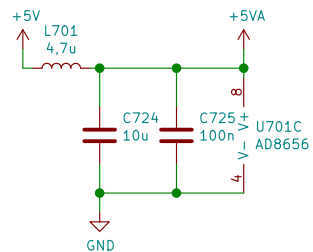
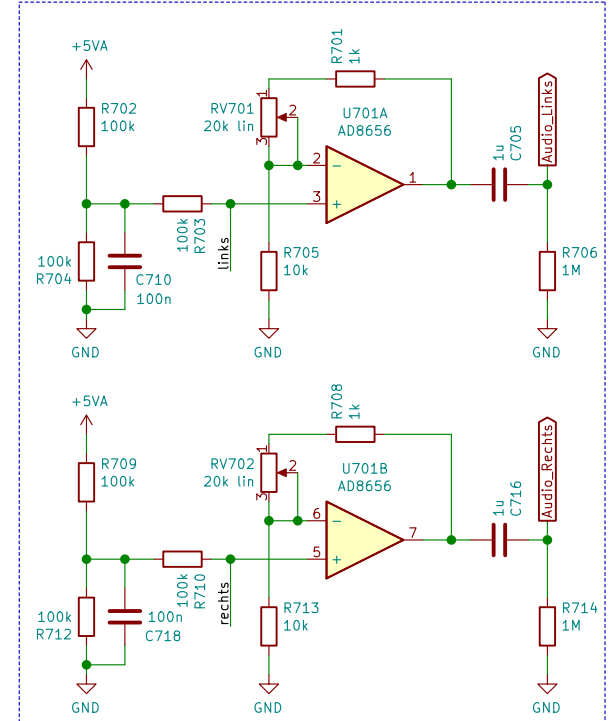
Id: 6/7



Codec/DAC



Anheben Signalpegel für TA Radio



Fernbedienung – Webradio für SABA "Automatic" Radios
(Meersburg/Freiburg 6–3D, weitere?)

Audio

Lizenz: CERN-OHL-W (OHL v2)

Martin Wagner DL2WAG

Sheet: /Audio/

File: 6-audio.sch

Title: Fernbedienung – Webradio SABA 6–3D

Size: A4 Date: 2021-01-16

KiCad E.D.A. kicad 5.1.9-73d0e3b20d88ubuntu18.04.1

Rev: 1-A

Id: 7/7

