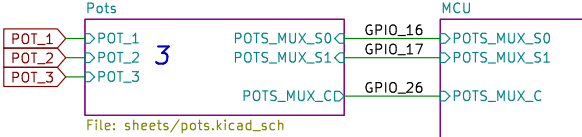


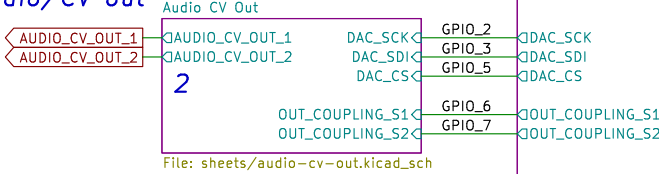
Modules

Analog Digital

Pots
SDK Done



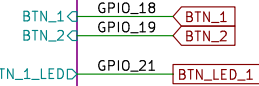
Audio/CV out
SDK Done



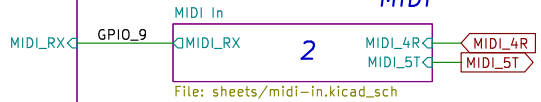
Audio/CV in
SDK Done



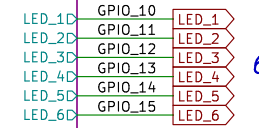
Buttons
SDK Done



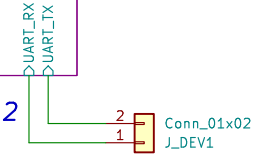
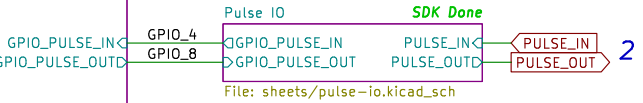
MIDI
SDK Done



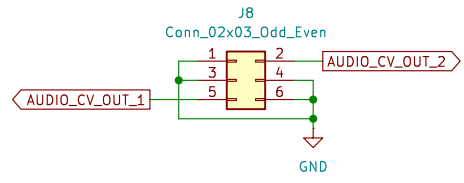
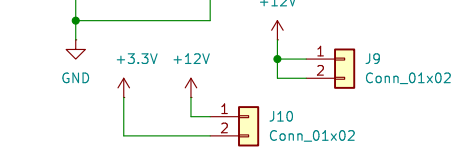
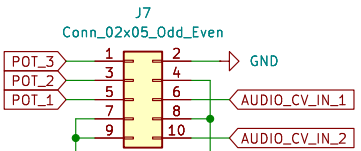
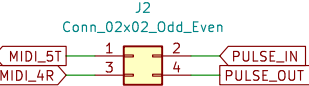
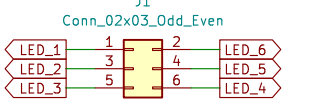
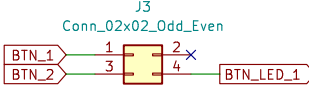
LEDs
SDK Done



Pulse I/O
SDK Done



UI I/O



Power



Shmørgh

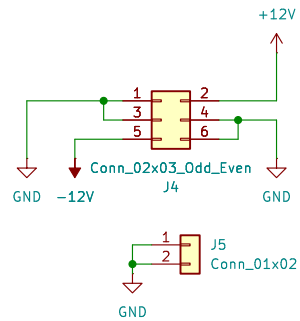
Sheet: /

File: brain-core.kicad_sch

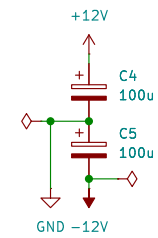
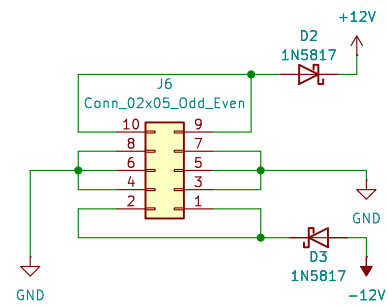
Title: Brain Core

| | | |
|--------------------|------------------|-----------|
| Size: User | Date: 2026-02-21 | Rev: v1.1 |
| KiCad E.D.A. 9.0.6 | | Id: 1/8 |

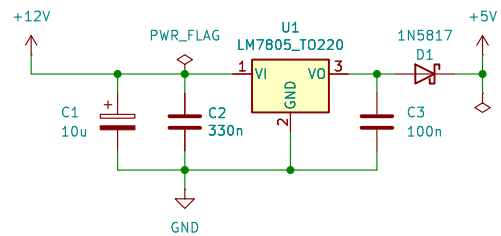
UI power connection



Eurorack PSU connection



When flashing programs to MCU, this jumper MUST BE disconnected. The MCU should receive its power from the SWD device (another RPI Pico, Picoprobe).



Shmøergh

Sheet: /Power/
File: power.kicad_sch

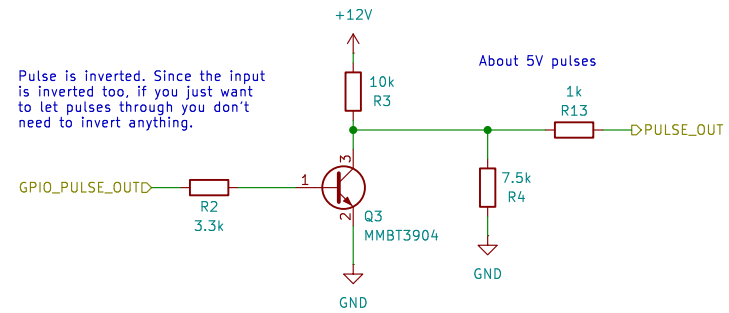
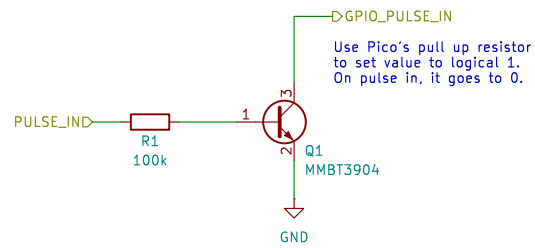
Title: Brain Core

Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.1

Id: 4/8



Shmørergh

Sheet: /Pulse IO/
File: pulse-io.kicad_sch

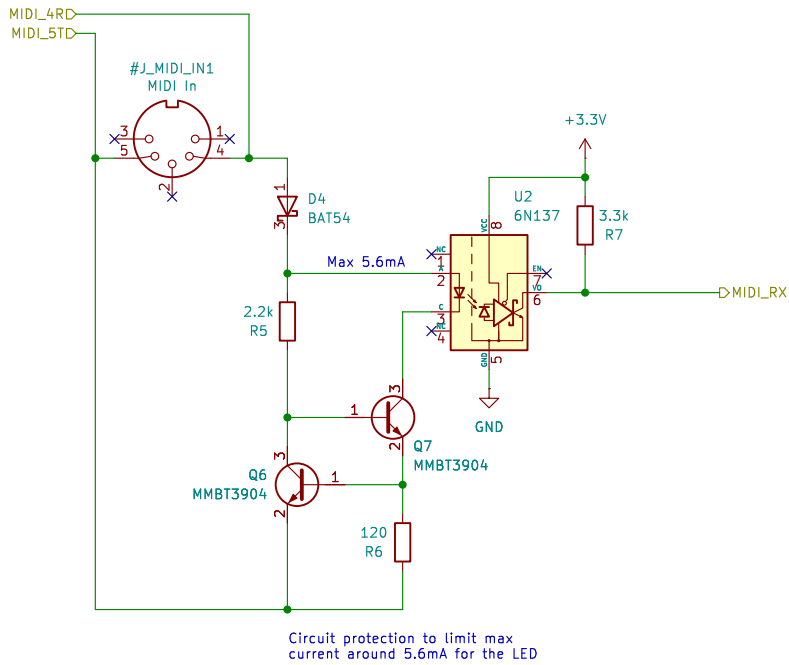
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Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.1

Id: 5/8



Shmørergh

Sheet: /MIDI In/

File: midi-in.kicad_sch

Title: Brain Core

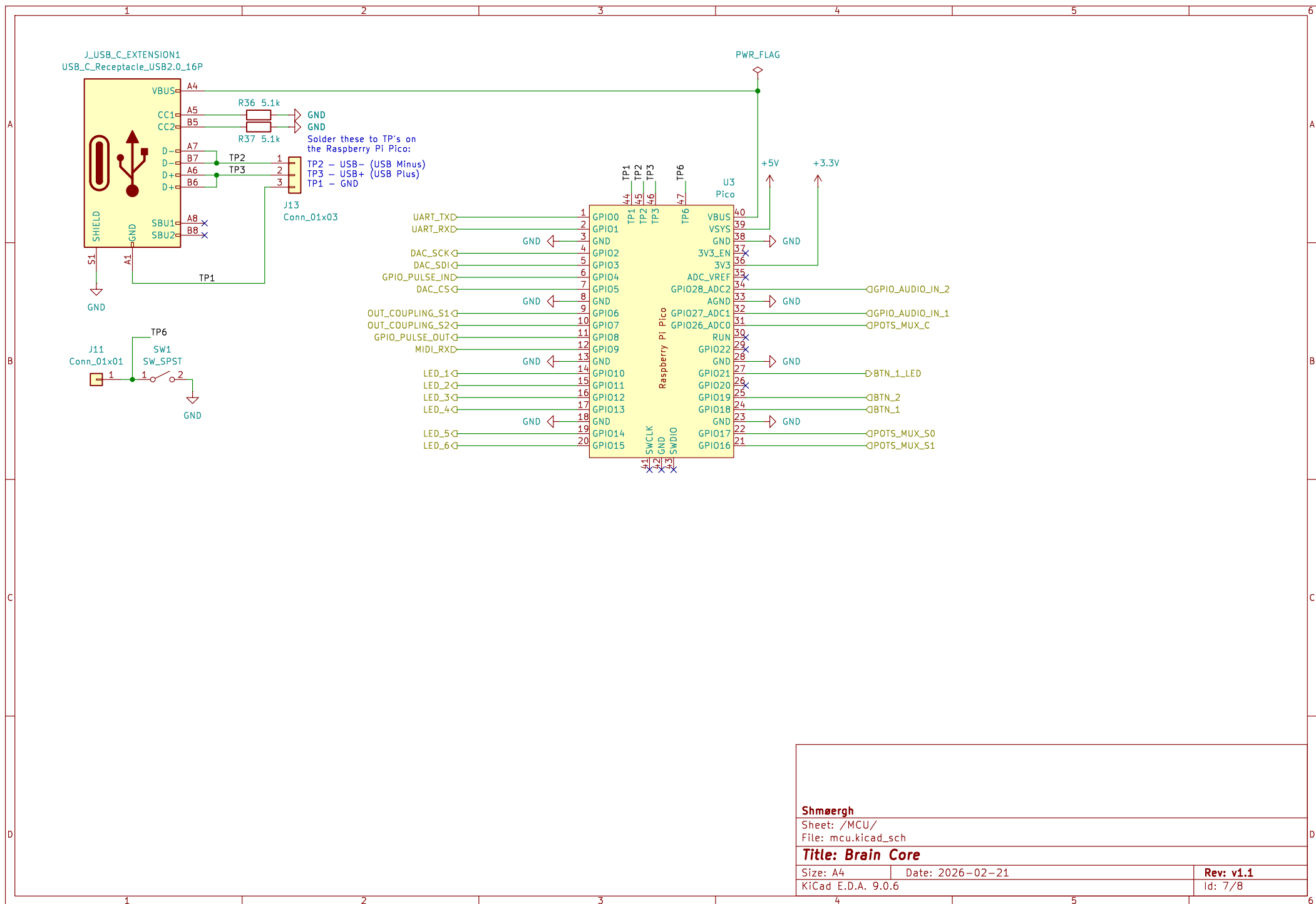
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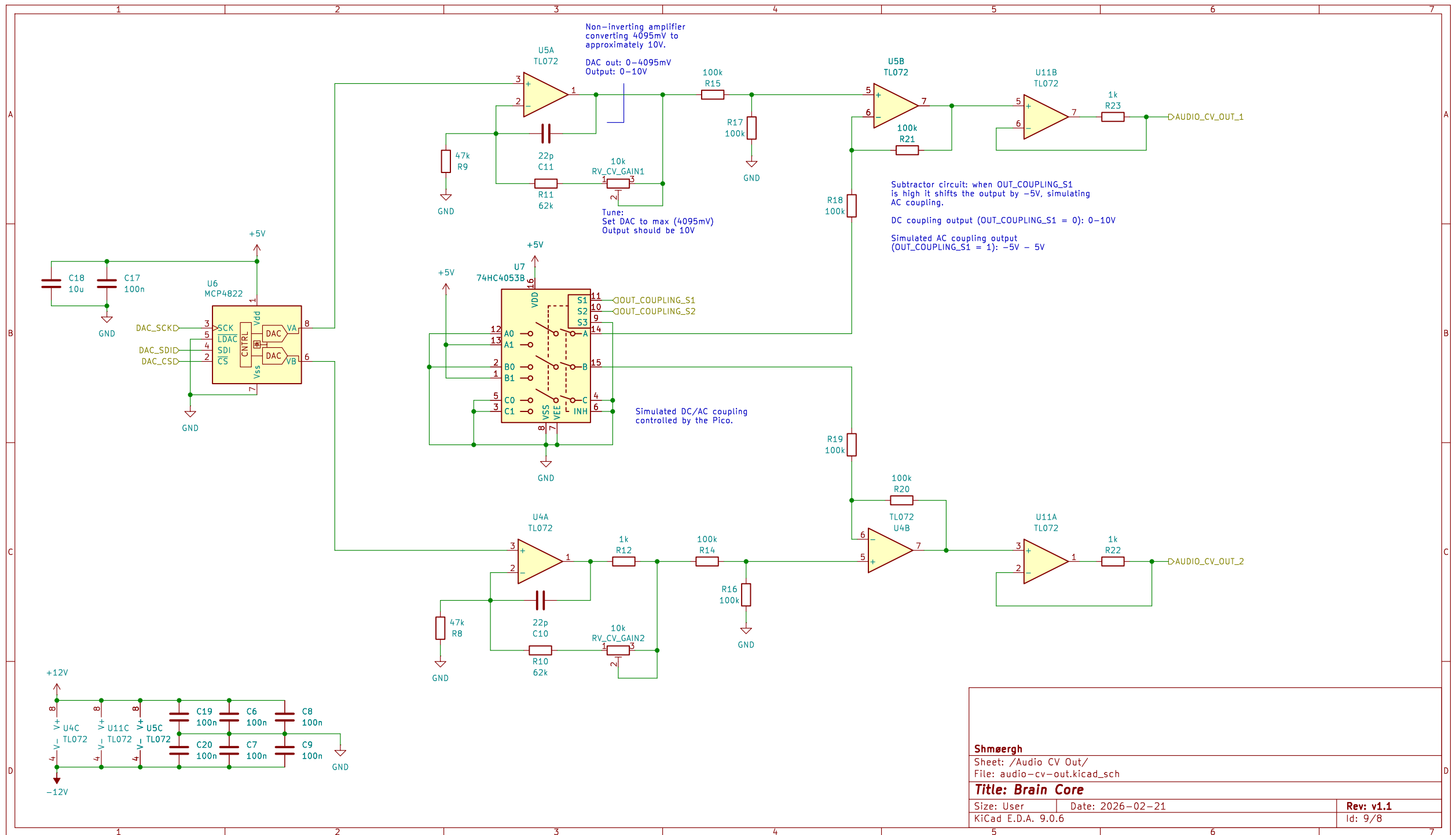
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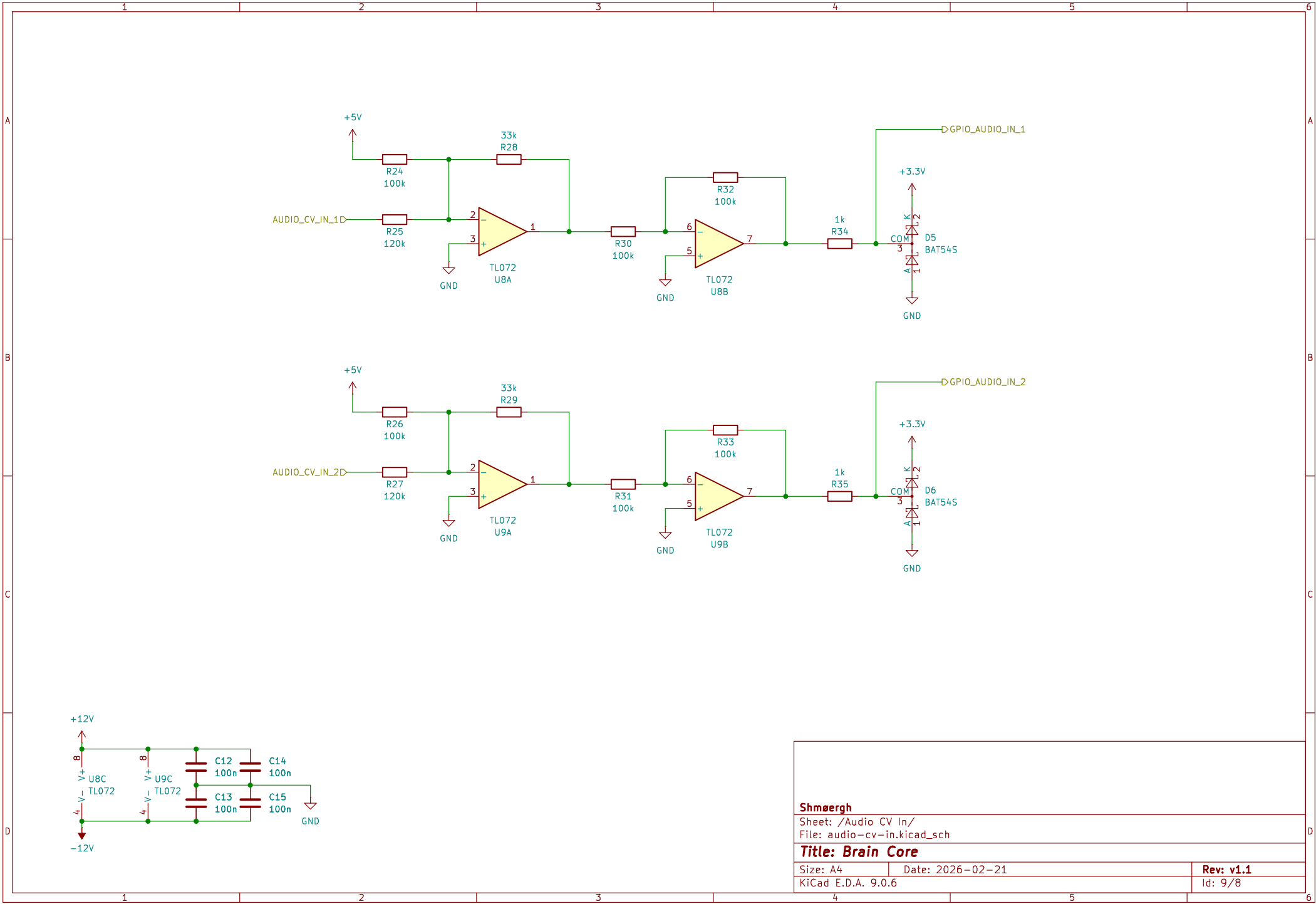
Rev: v1.1

KiCad E.D.A. 9.0.6

Id: 6/8







Shmørgh

Sheet: /Audio CV In/
File: audio-cv-in.kicad_sch

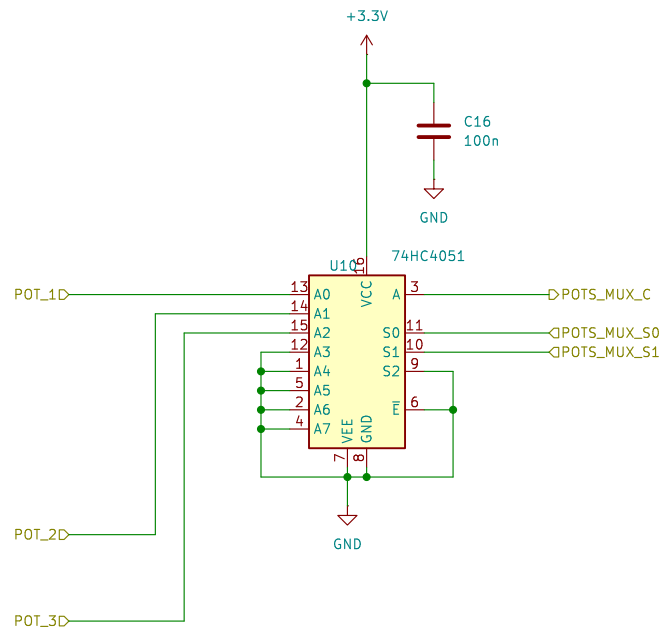
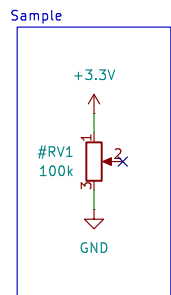
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Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.1

Id: 9/8



Shmøergh

Sheet: /Pots/
File: pots.kicad_sch

Title: Brain Core

Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.1

Id: 10/8