

A

A

B

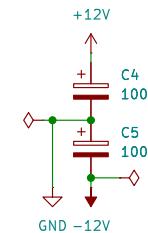
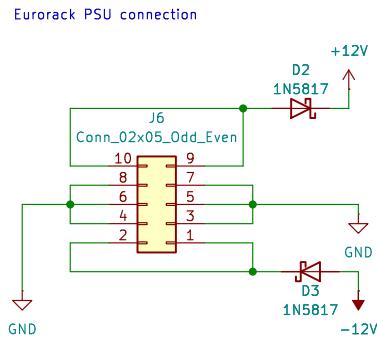
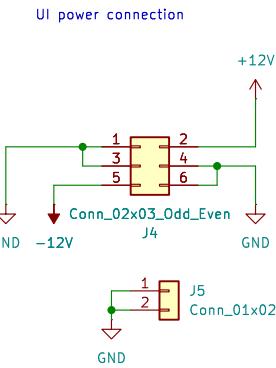
B

C

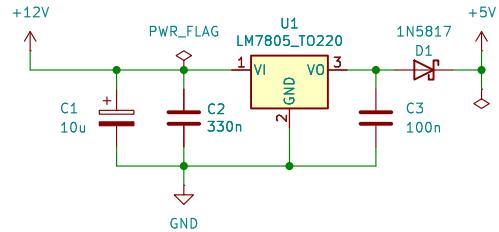
C

D

D



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: v1.2
Id: 4/8

1 2 3 4 5 6

A

A

B

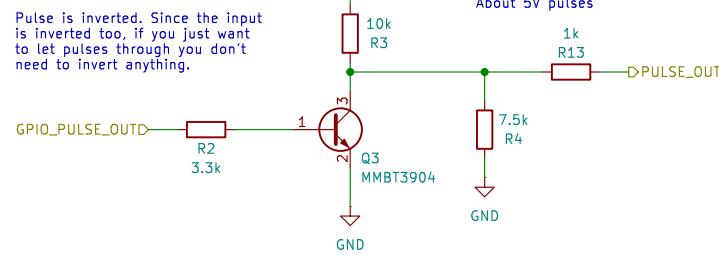
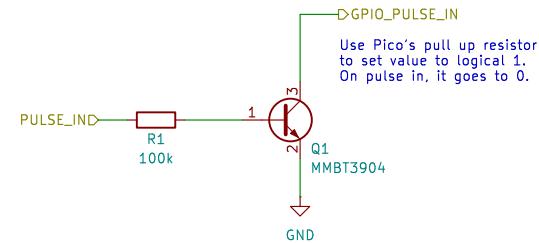
B

C

C

D

D



Shmøergh

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

Title: Brain Core

Size: A4 Date: 2026-02-21
KiCad E.D.A. 9.0.6

Rev: v1.2
Id: 5/8

1 2 3 4 5 6

A

A

B

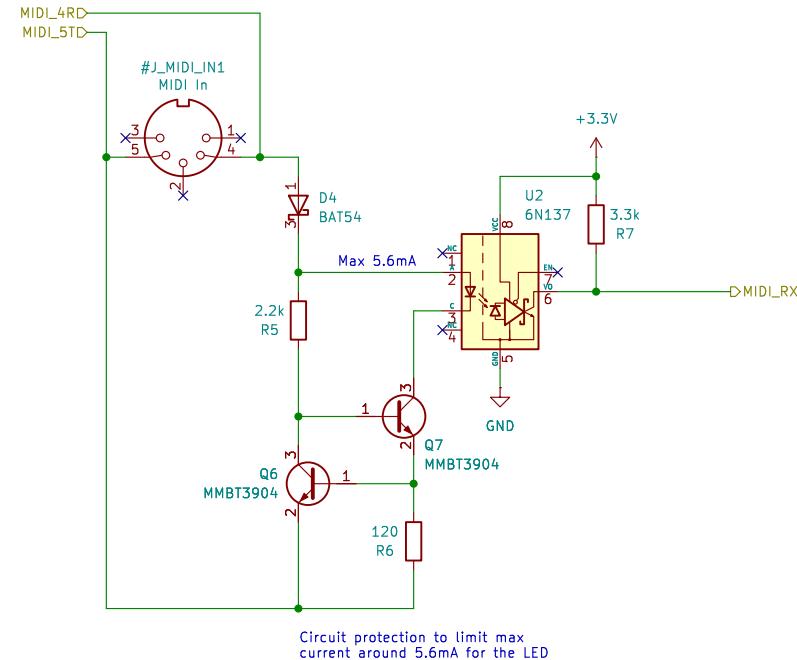
B

C

C

D

D

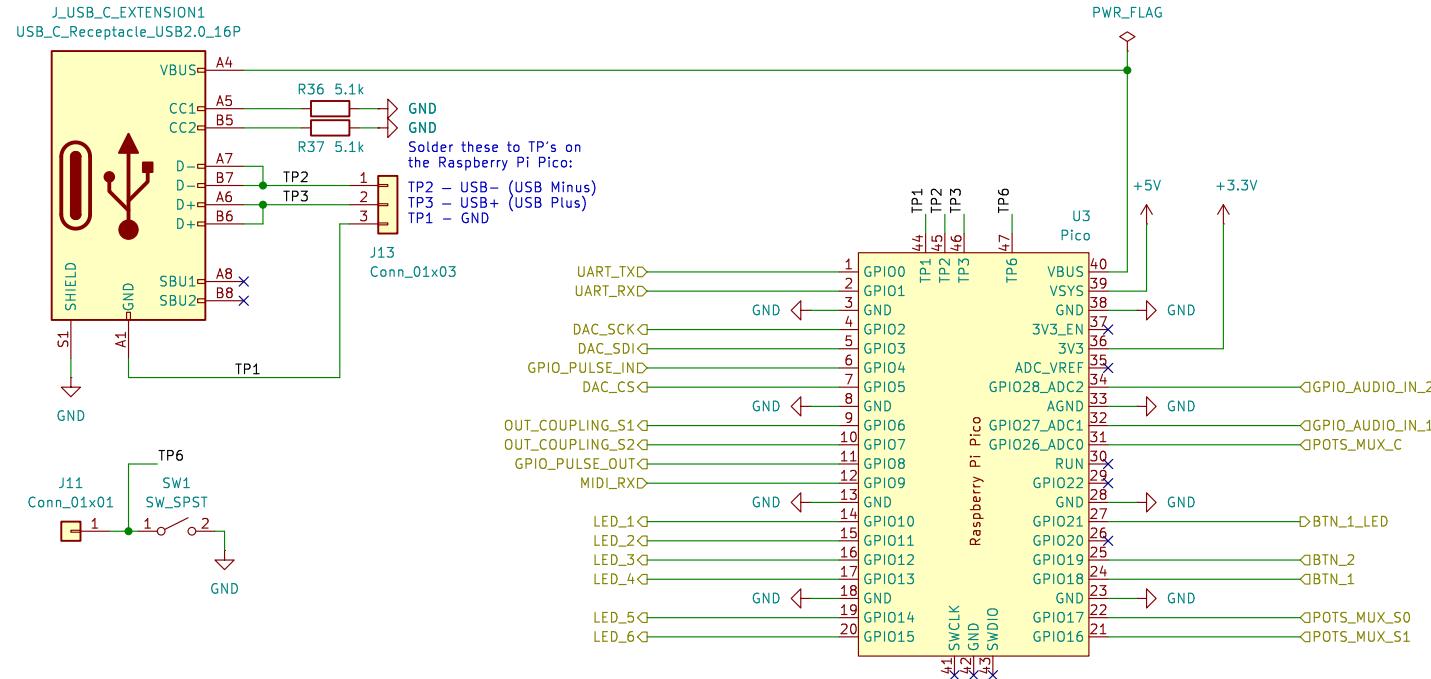
**Shmœrgh**

Sheet: /MIDI In/
File: midi-in.kicad_sch

Title: Brain Core

Size: A4 | Date: 2026-02-21
KiCad E.D.A. 9.0.6

Rev: v1.2
Id: 6/8



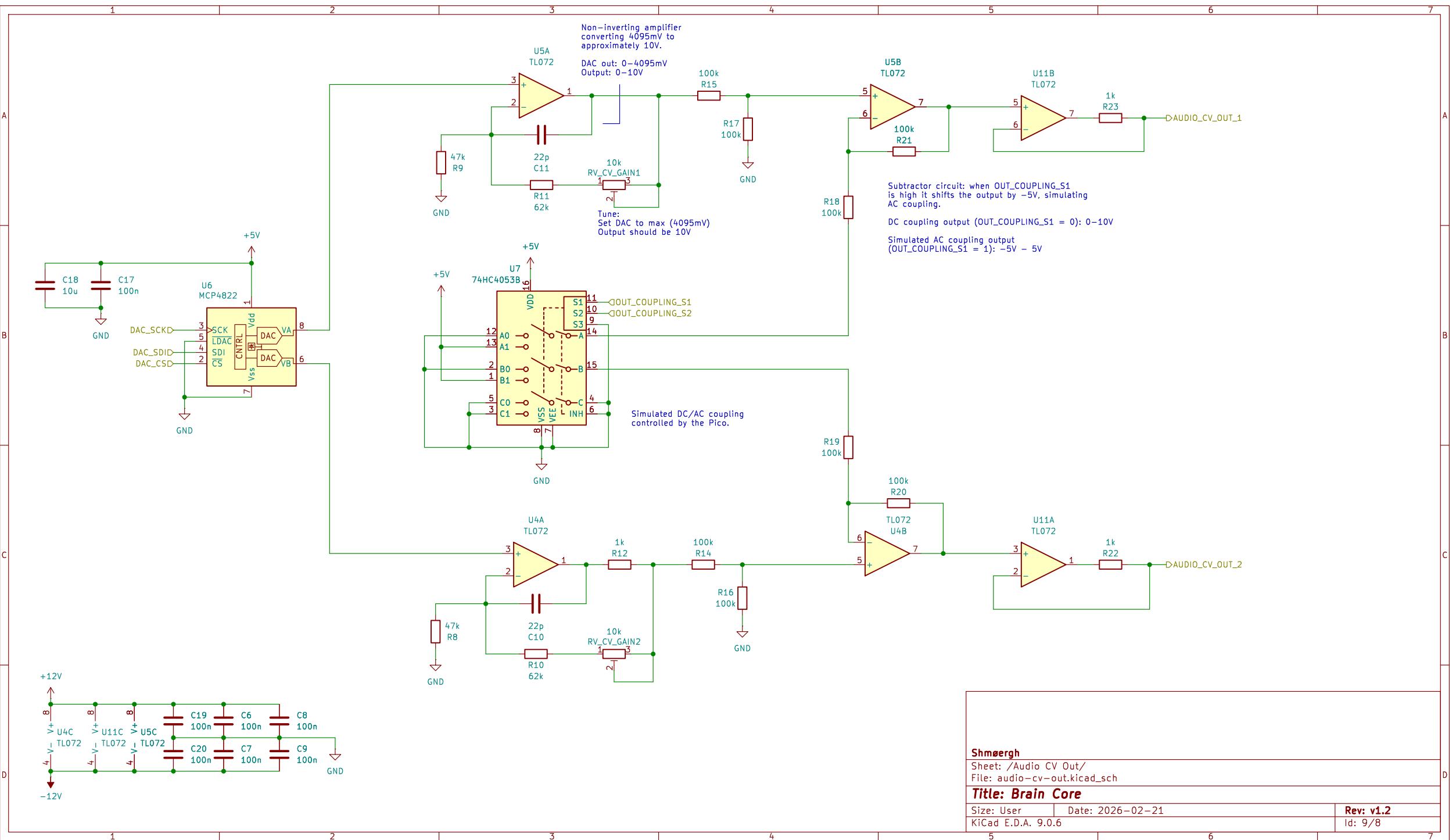
Shmœrgh

Sheet: /MCU/
File: mcu.kicad_sch

Title: Brain Core

Size: A4 Date: 2026-02-21
KiCad E.D.A. 9.0.6

Rev: v1.2
Id: 7/8



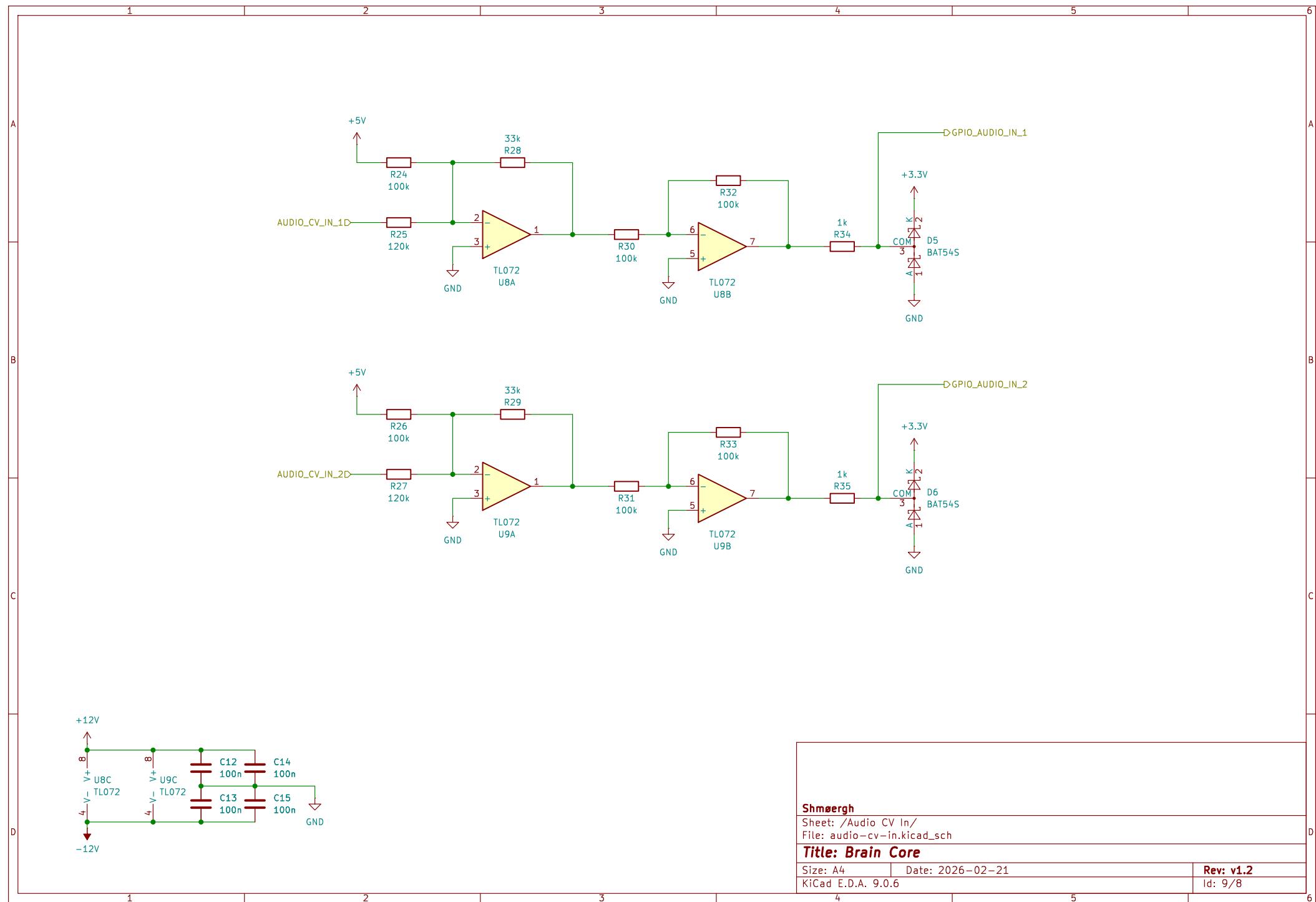
Shmøergh

Sheet: /Audio CV Out/
File: audio-cv-out.kicad_sch

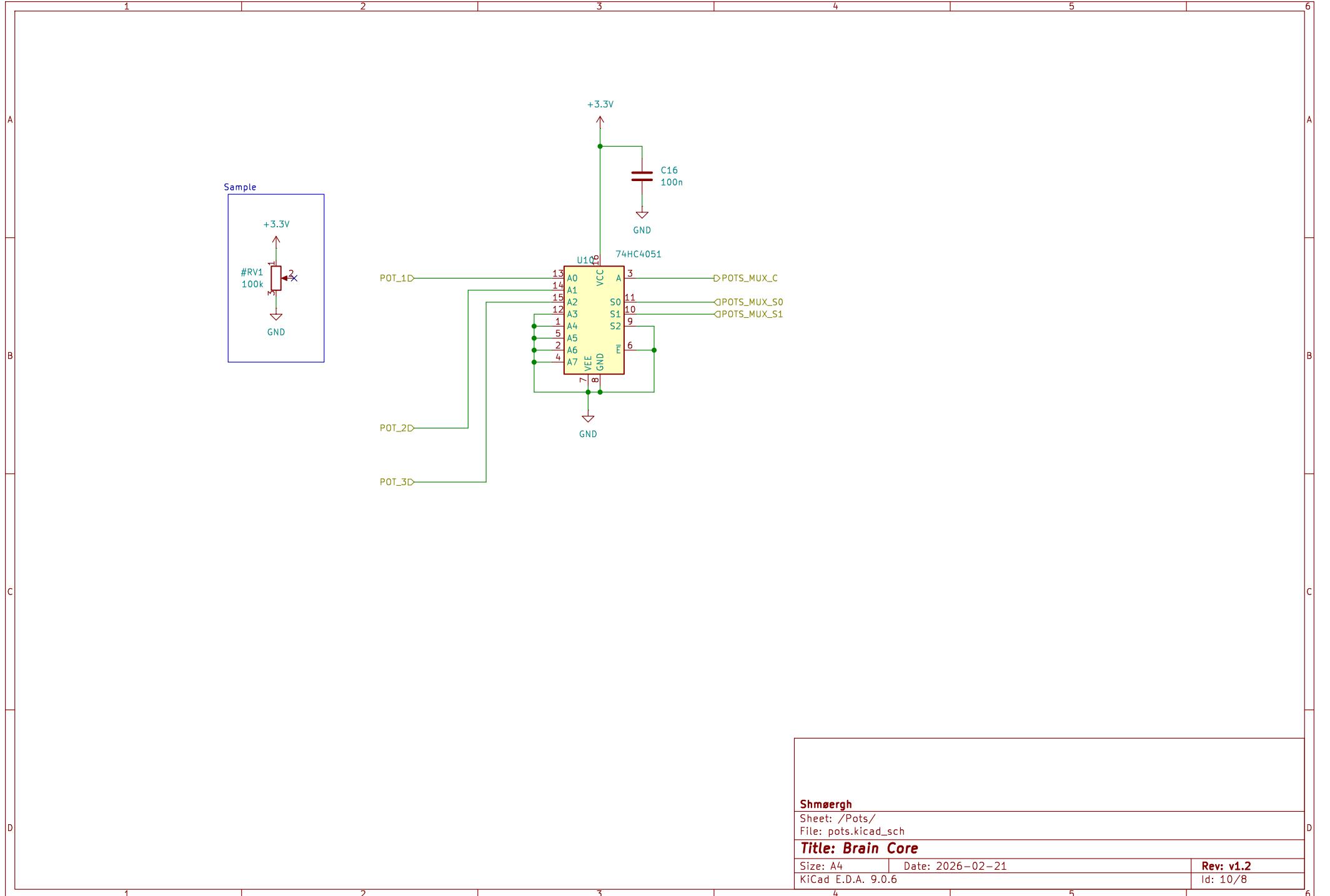
Title: Brain Core

Size: User Date: 2026-02-21
KiCad E.D.A. 9.0.6

Rev: v1.2
Id: 9/8



1 2 3 4 5 6



Shmøergh

Sheet: /Pots/
File: pots.kicad_sch

Title: Brain Core

Size: A4 Date: 2026-02-21
KiCad E.D.A. 9.0.6

Rev: v1.2
Id: 10/8

1 2 3 4 5 6