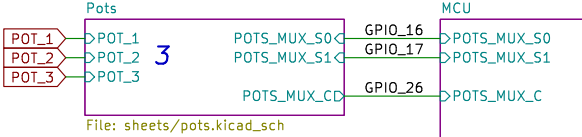


Modules

Analog Digital

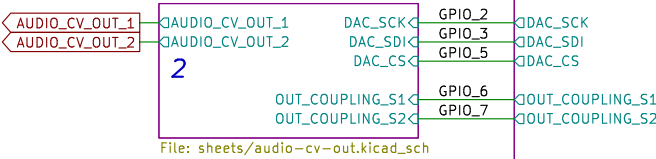
Pots

SDK Done



SDK Done

Audio/CV out



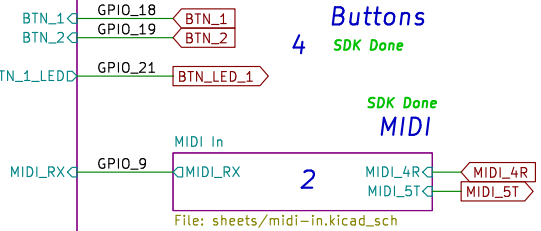
SDK Done

Audio/CV in



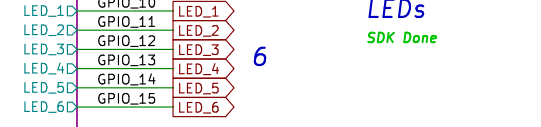
Buttons

SDK Done



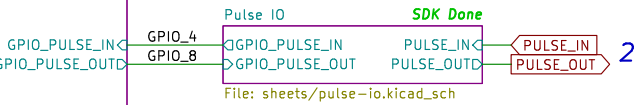
LEDs

SDK Done

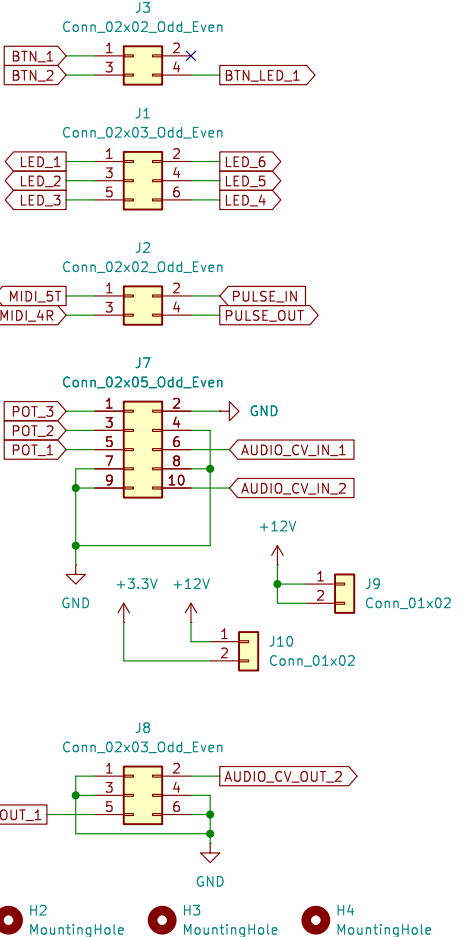


Pulse I/O

SDK Done



UI I/O



Power

Power



Shmørgerh

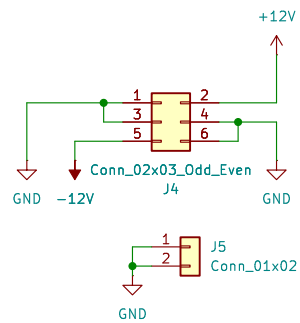
Sheet: /

File: brain-core.kicad_sch

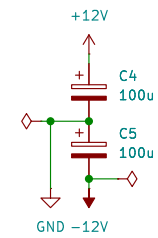
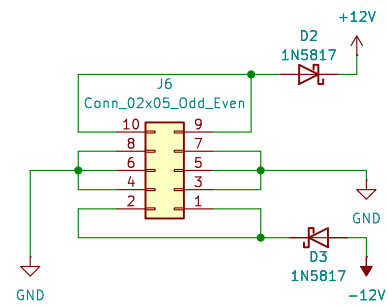
Title: Brain Core

Size: User	Date: 2026-02-21	Rev: v1.2
KiCad E.D.A. 9.0.6		Id: 1/8

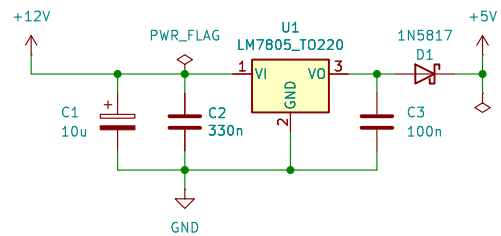
UI power connection



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).



Shmørergh

Sheet: /Power/
File: power.kicad_sch

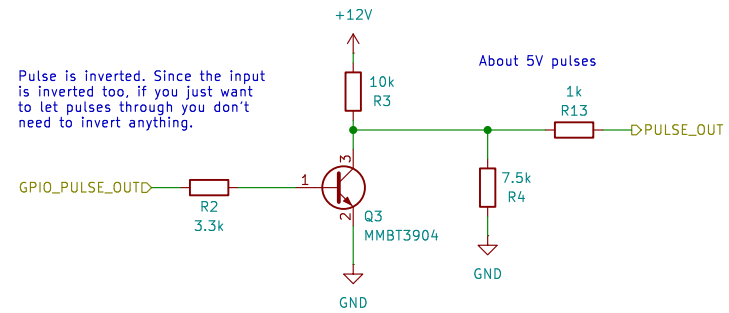
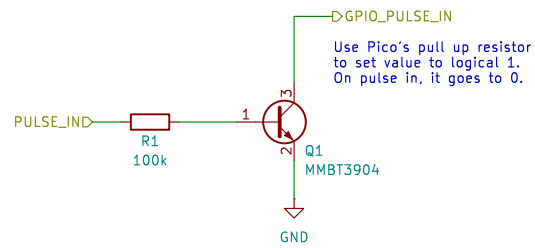
Title: Brain Core

Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.2

Id: 4/8



Shmøergh

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

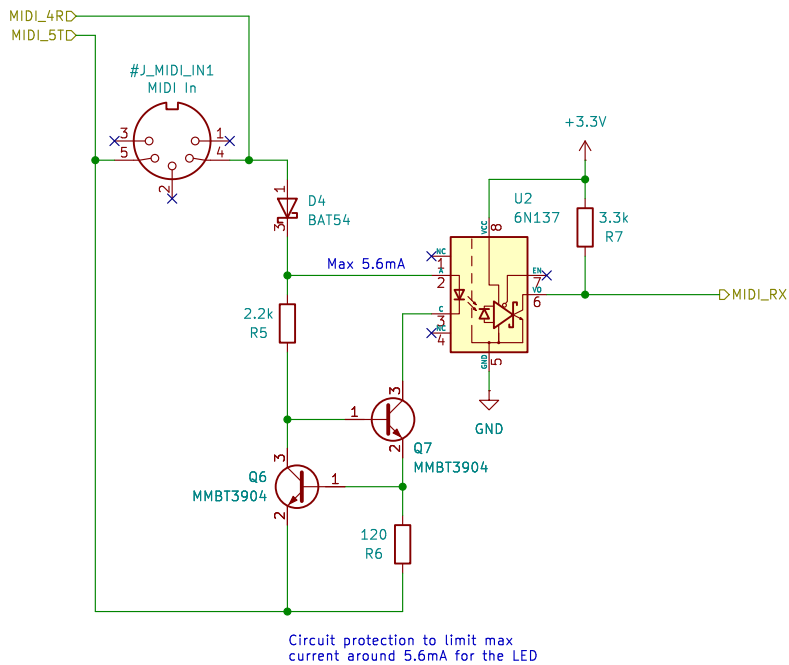
Title: Brain Core

Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.2

Id: 5/8



Shmøergh

Sheet: /MIDI In/

File: midi-in.kicad_sch

Title: Brain Core

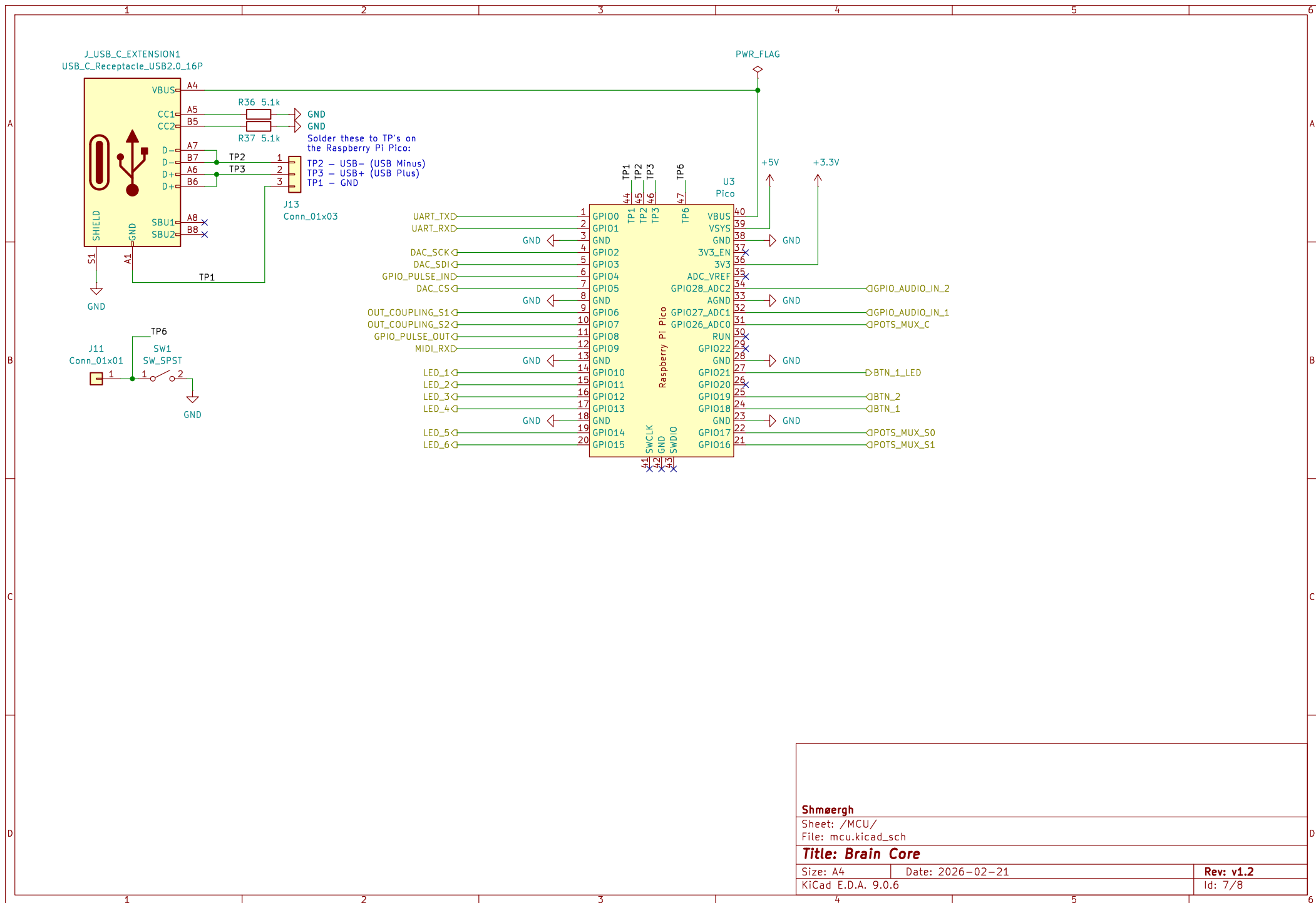
Size: A4

Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.2

Id: 6/8



Shmøergh

Sheet: /MCU/
File: mcu.kicad_sch

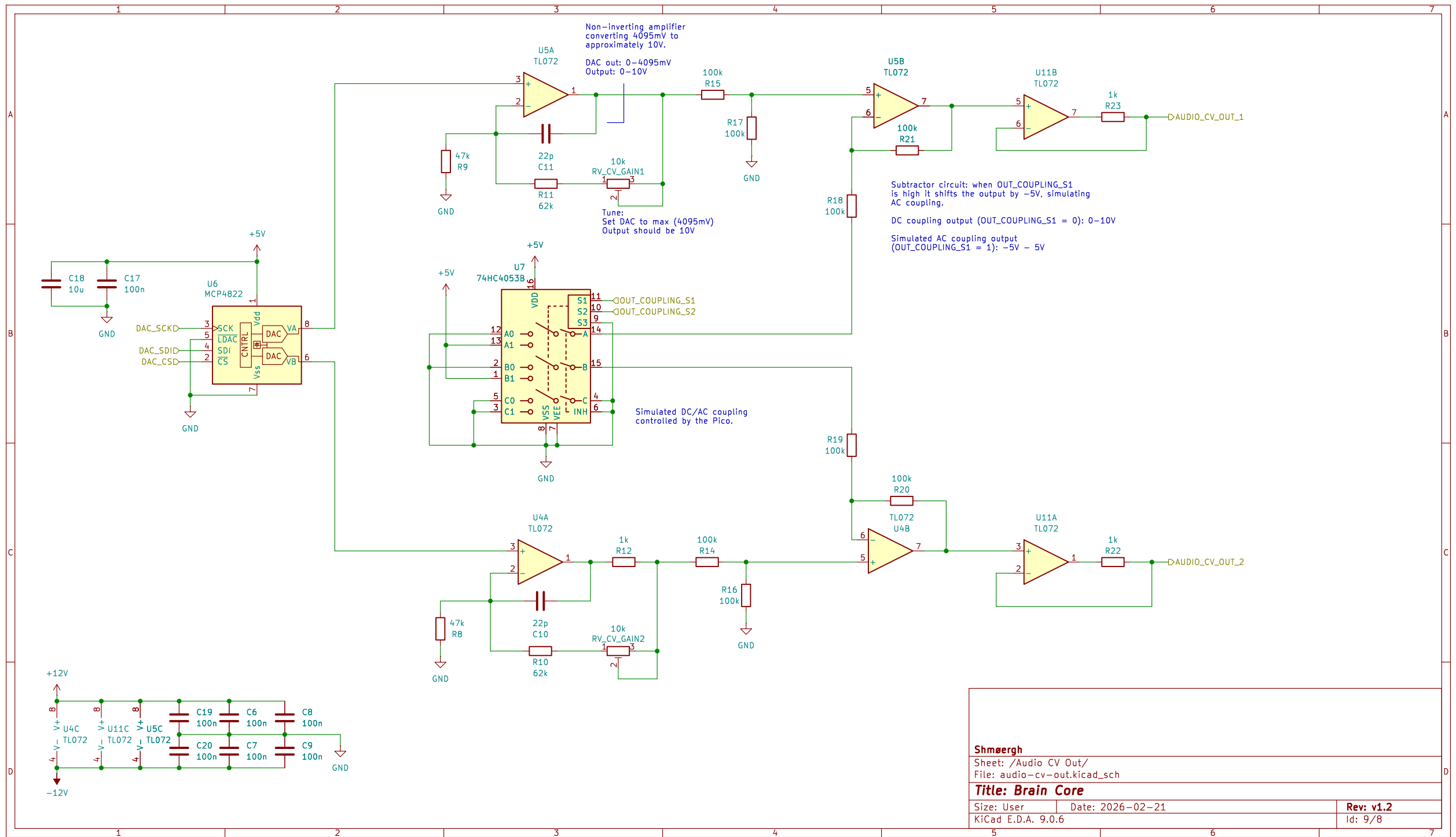
Title: Brain Core

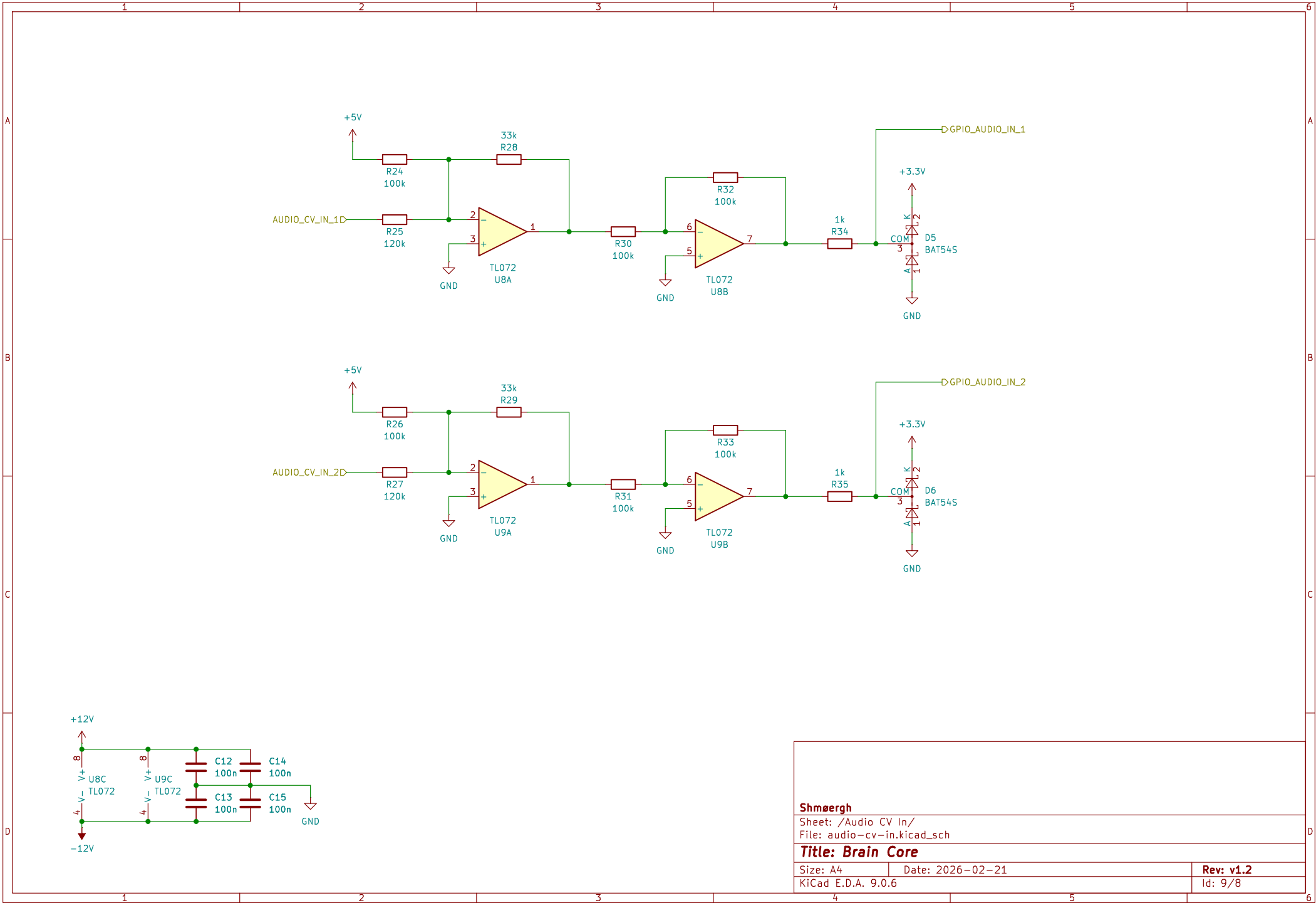
Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.2

Id: 7/8





Shmørgh

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

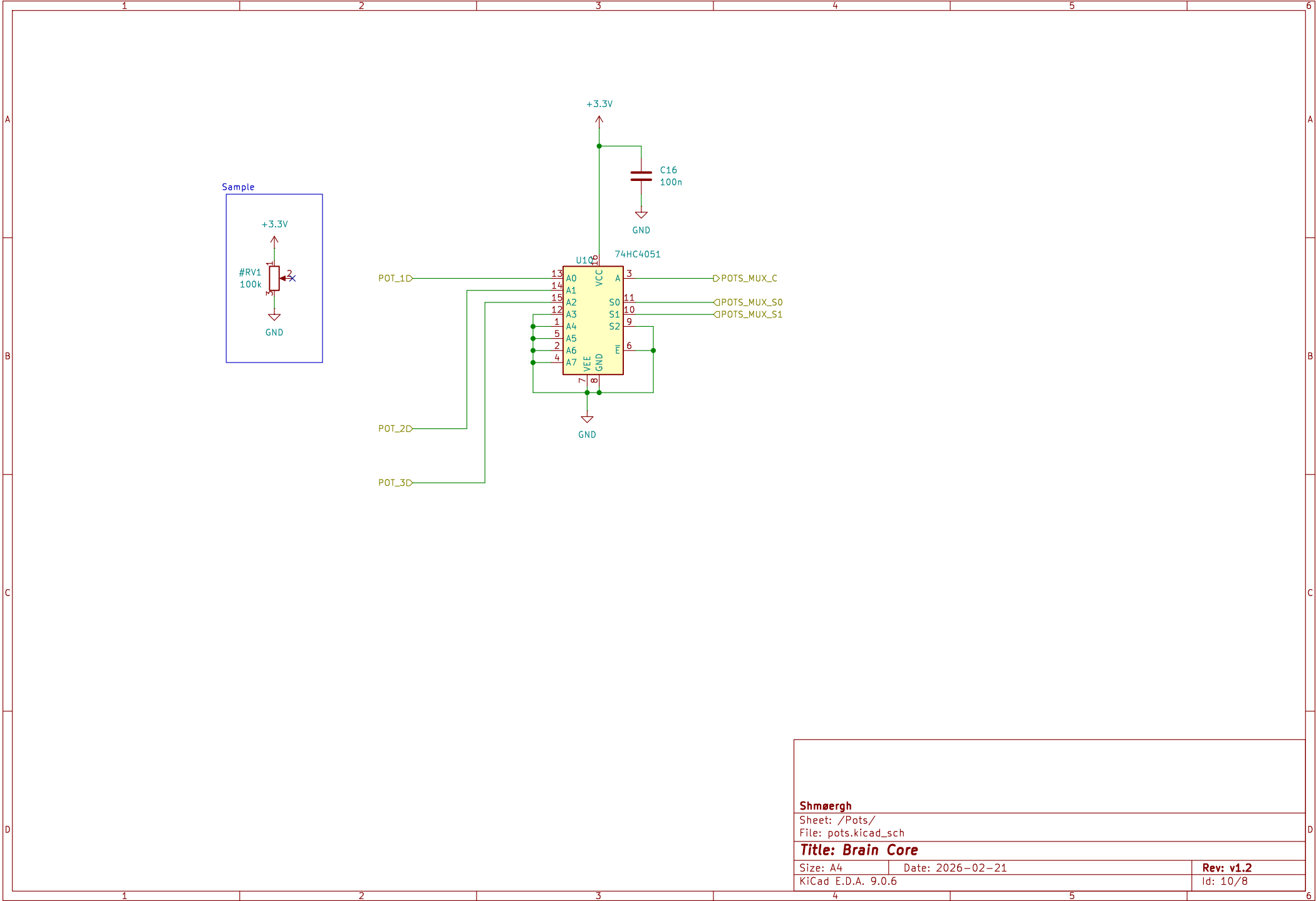
Title: Brain Core

Size: A4 Date: 2026-02-21

KiCad E.D.A. 9.0.6

Rev: v1.2

Id: 9/8



Shmøergh

Sheet: /Pots/
File: pots.kicad_sch

Title: Brain Core

Size: A4
KiCad E.D.A. 9.0.6

Date: 2026-02-21

Rev: v1.2

Id: 10/8