

A

A

B

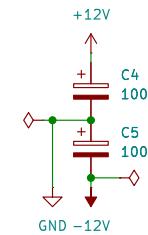
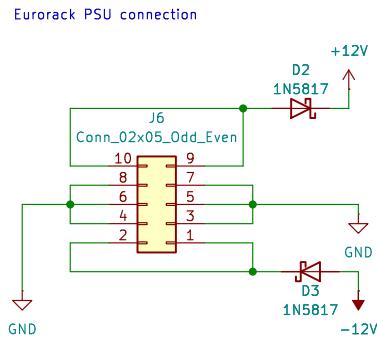
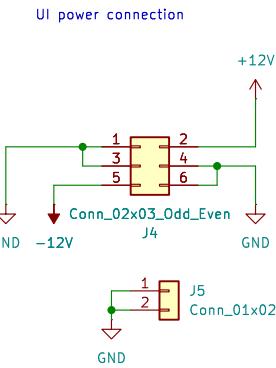
B

C

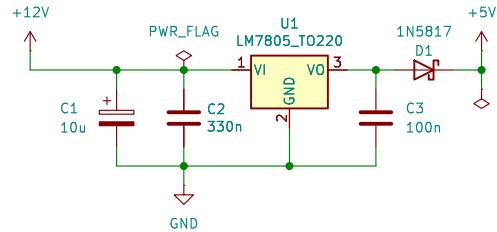
C

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: v1.1  
Id: 4/8

1 2 3 4 5 6

A

A

B

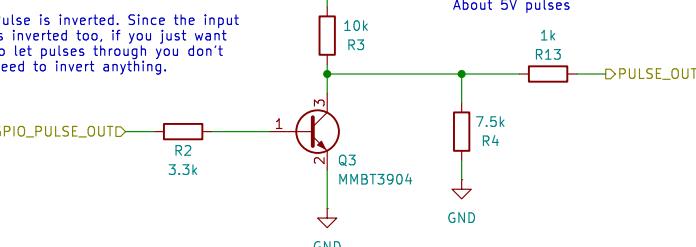
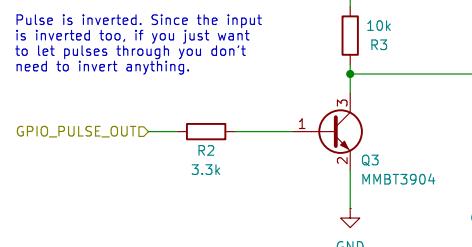
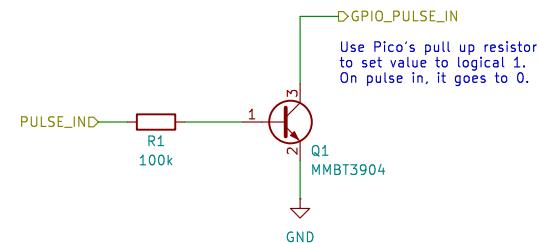
B

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: v1.1  
Id: 5/8

1 2 3 4 5 6

A

A

B

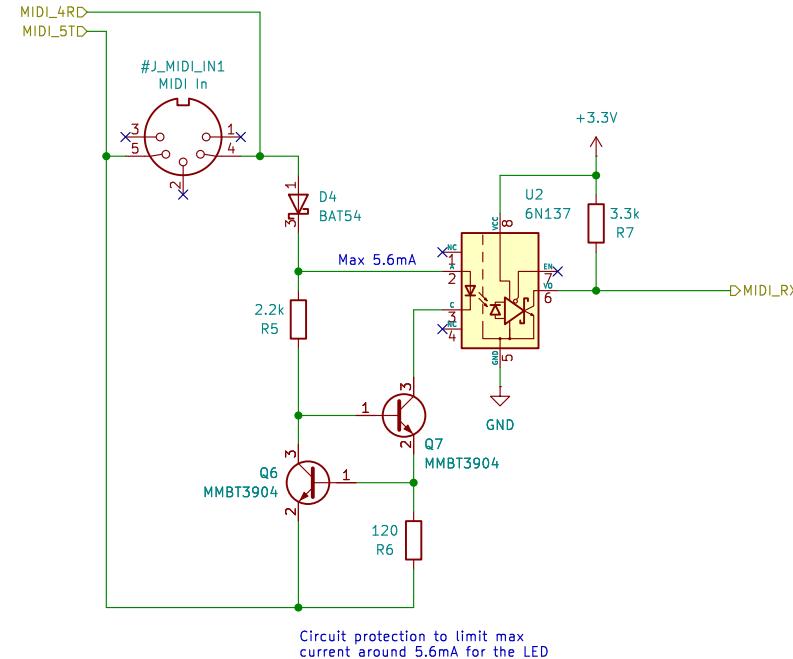
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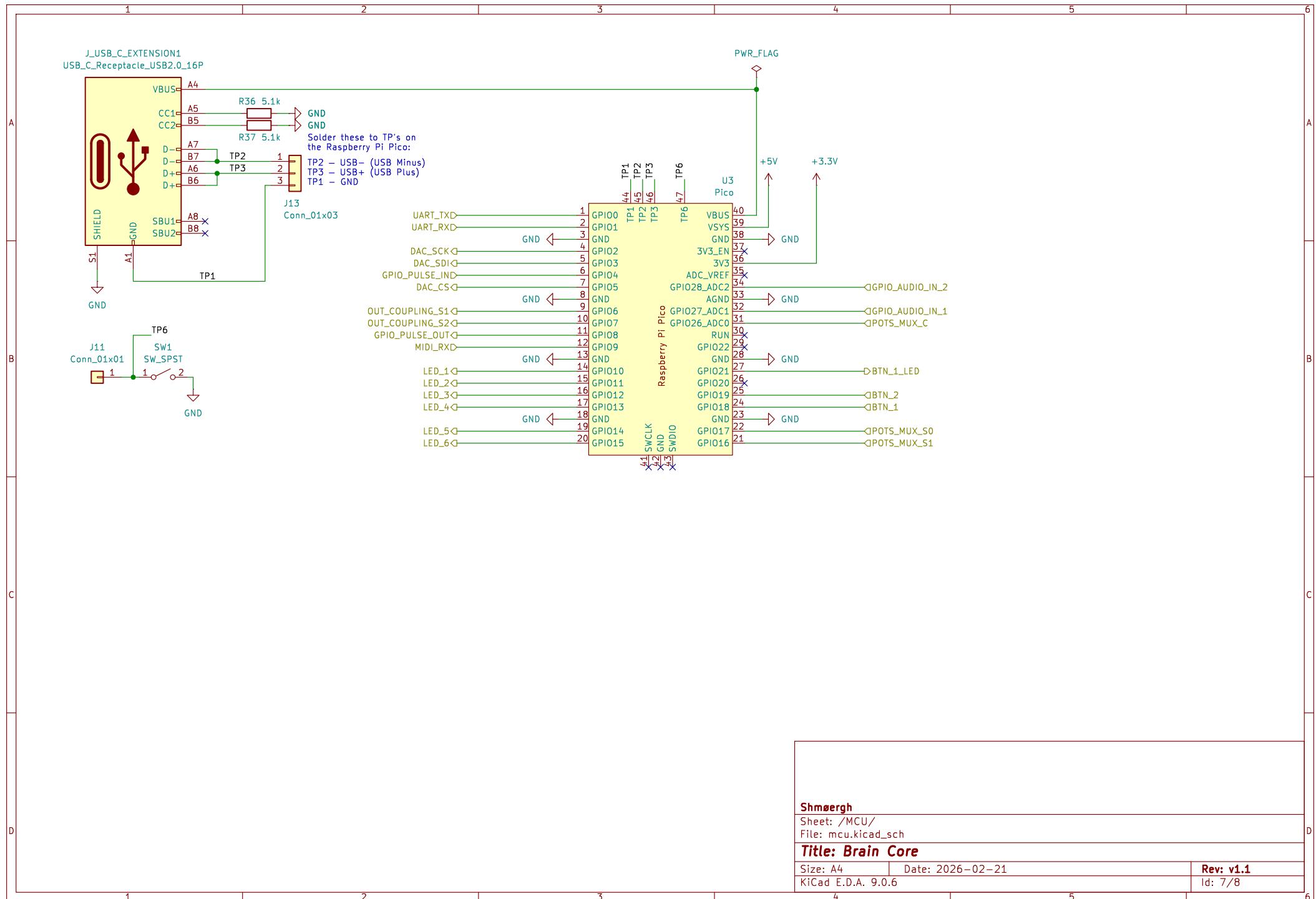
C

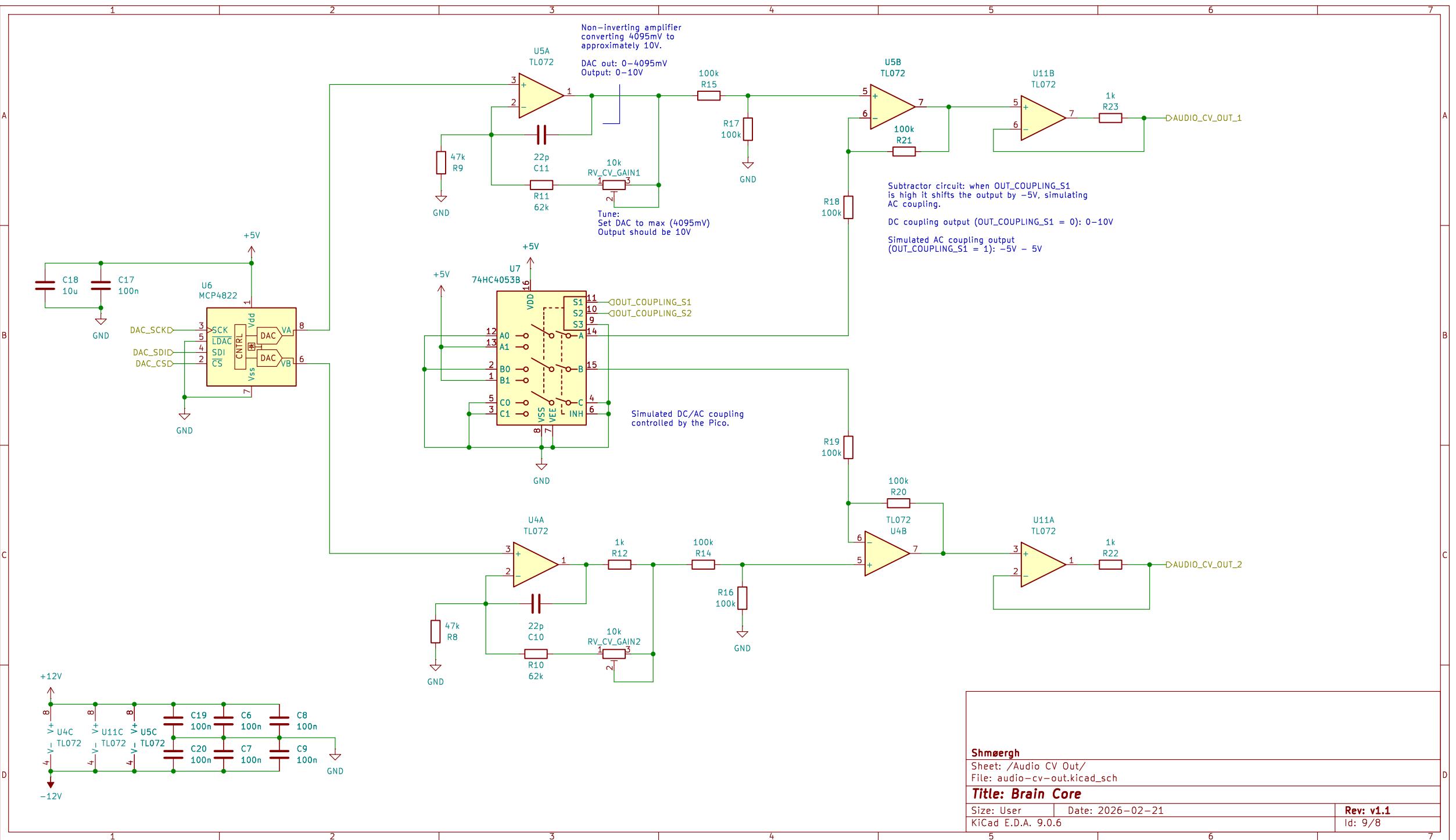
C

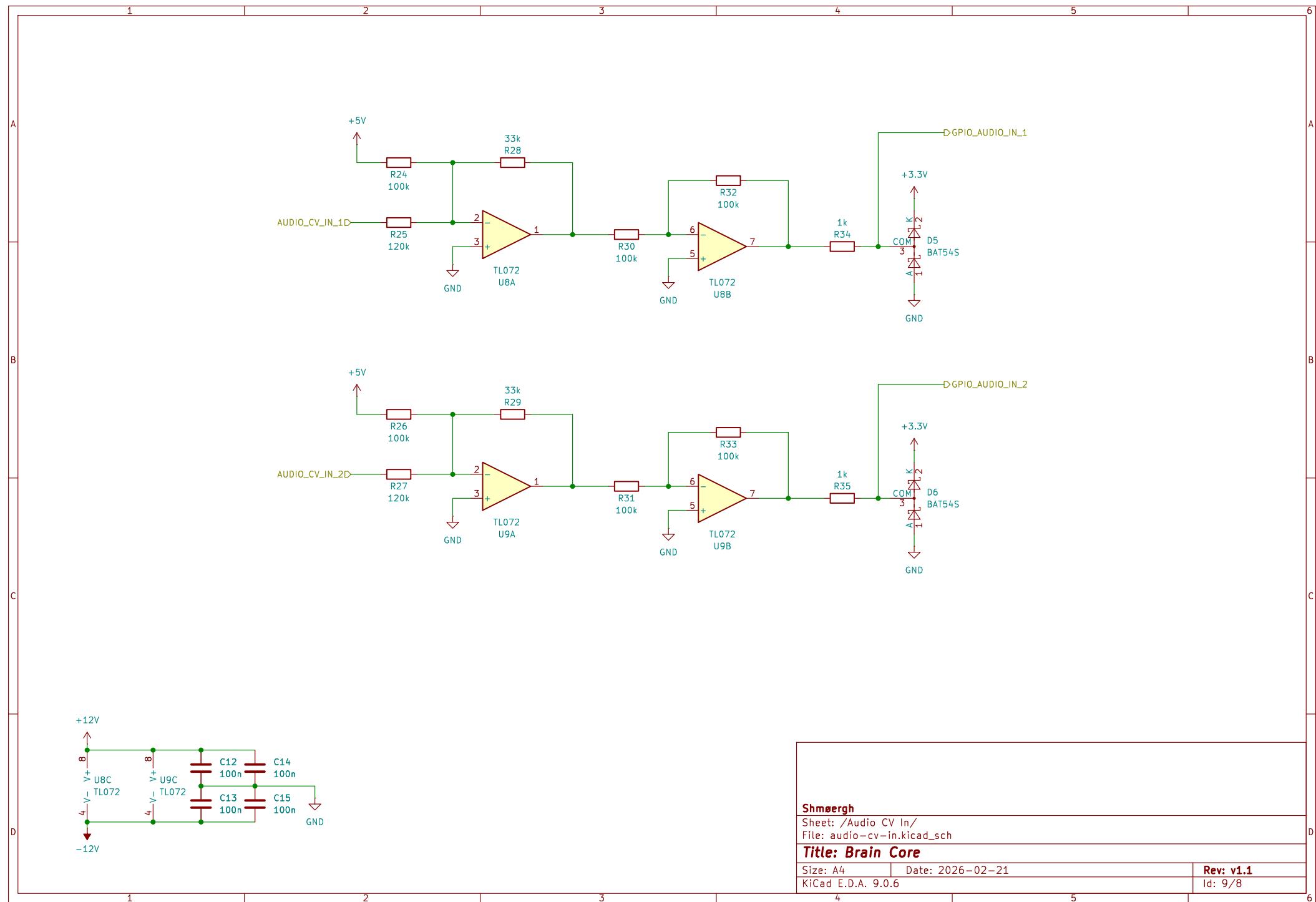
D

D

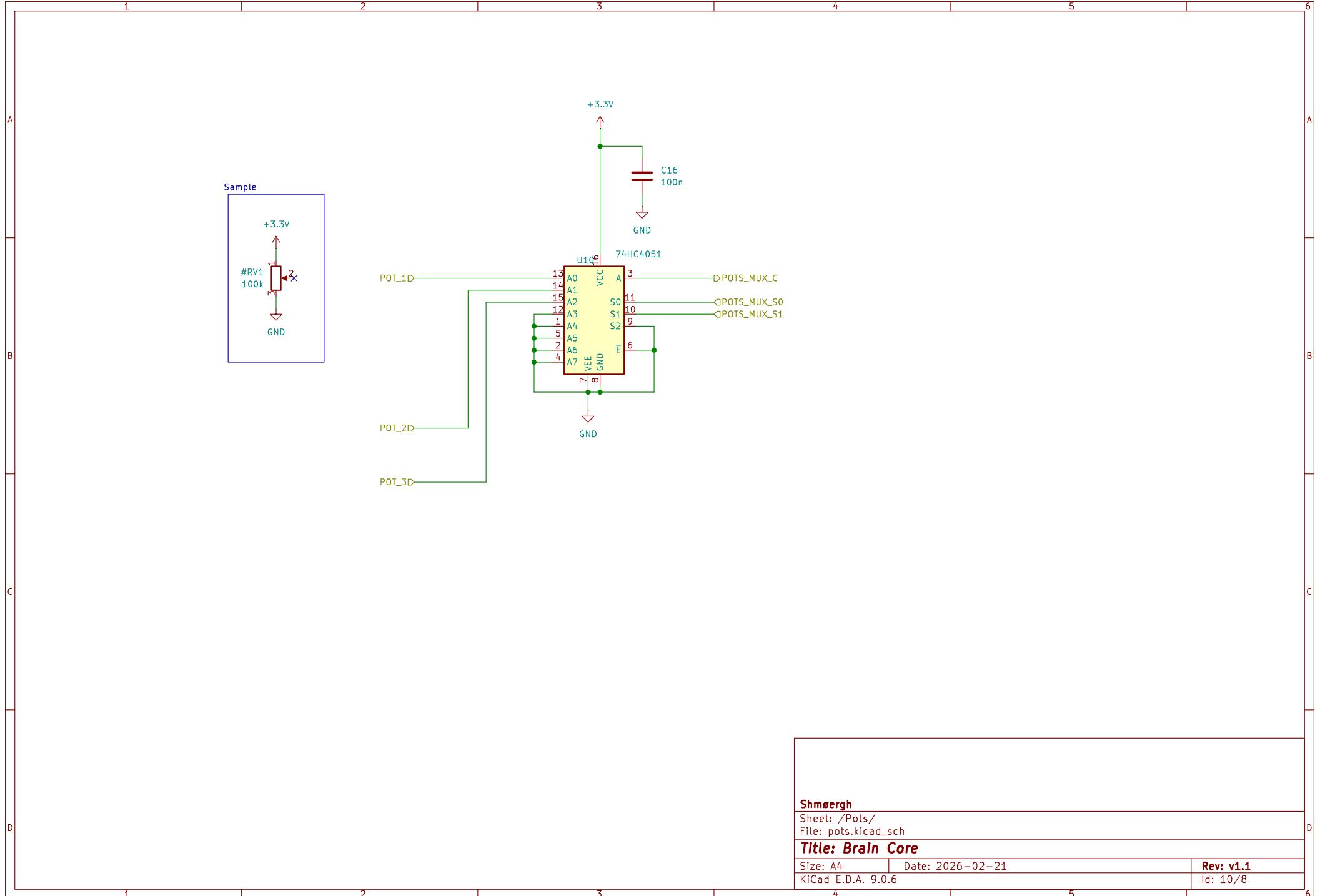
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File: midi-in.kicad\_sch**Title: Brain Core**Size: A4 | Date: 2026-02-21  
KiCad E.D.A. 9.0.6**Rev: v1.1**  
Id: 6/8







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: v1.1  
Id: 10/8

1 2 3 4 5 6