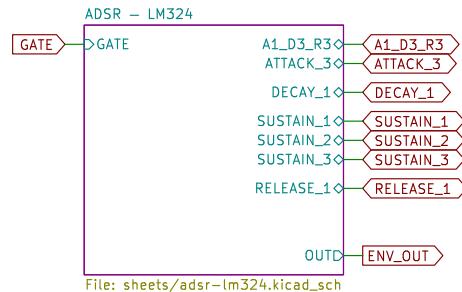


1 2 3 4 5 6

## Modules

A

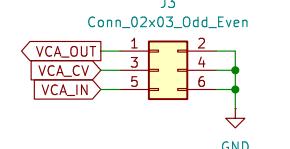
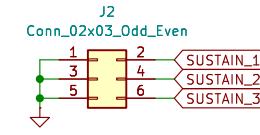
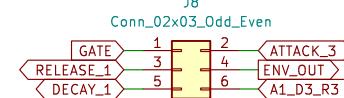
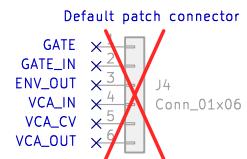


B



C

## I/O



Shielding pairs  
DO NOT GROUND ON UI BOARD!

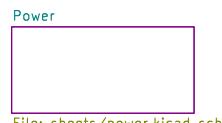
H1  
MountingHole

H2  
MountingHole

H3  
MountingHole

H4  
MountingHole

## Power



Shmøergh

Sheet: /

File: adsr-vca-core.kicad\_sch

Title: ADSR + VCA

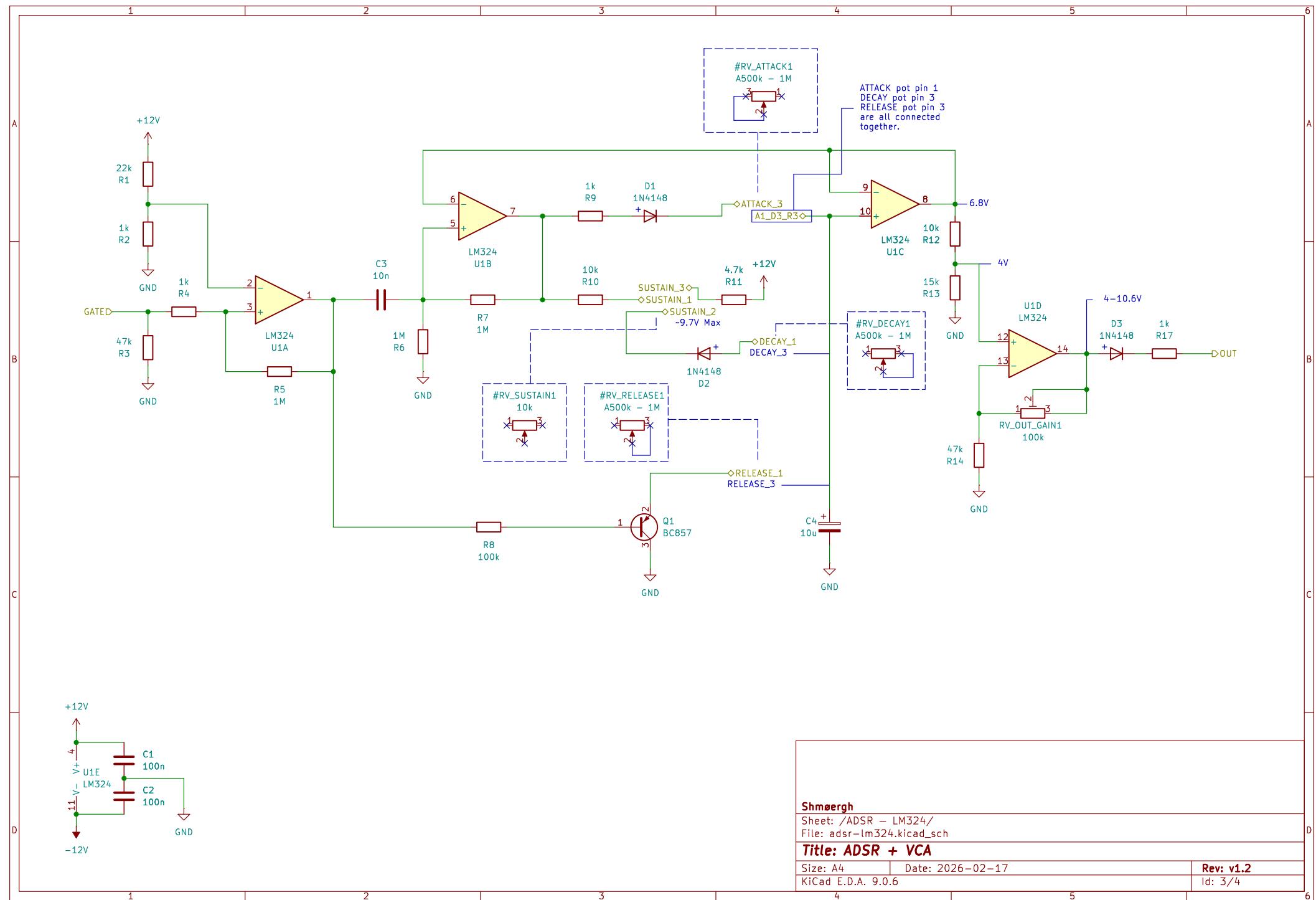
Size: A4 Date: 2026-02-17

KiCad E.D.A. 9.0.6

Rev: v1.2

Id: 1/4

1 2 3 4 5 6

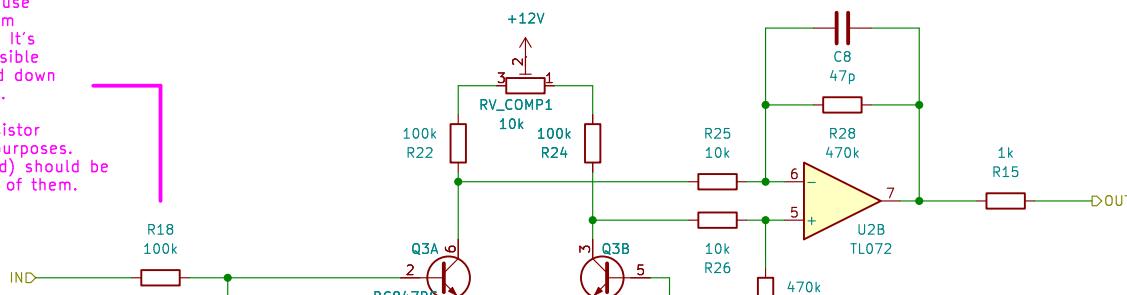


1 2 3 4 5 6

A

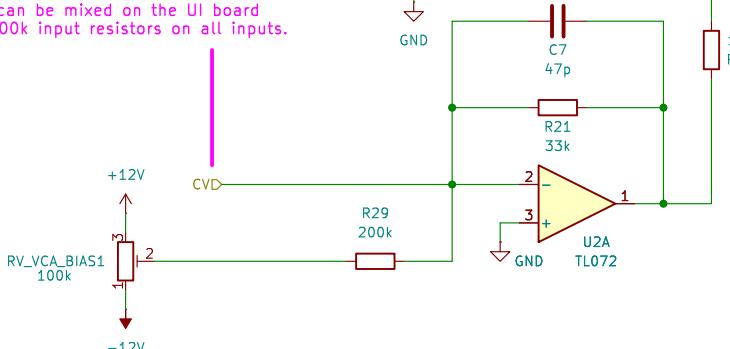
There was a crosstalk issue because the 100k resistor was too far from the input pin header on the PCB. It's now moved as close to it as possible so that the input signal is scaled down drastically as it enters the board.

Note that now there's a 100k resistor on the UI board too for testing purposes. Either that OR R18 (on this board) should be used, so make sure to short one of them.

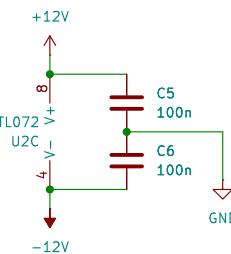


B

CV inputs can be mixed on the UI board by using 200k input resistors on all inputs.



C



D

Shmøergh

Sheet: /VCA/  
File: vca.kicad\_sch

Title: ADSR + VCA

Size: A4 Date: 2026-02-17  
KiCad E.D.A. 9.0.6

Rev: v1.2  
Id: 4/4

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

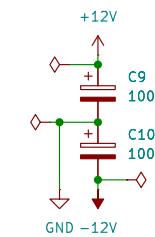
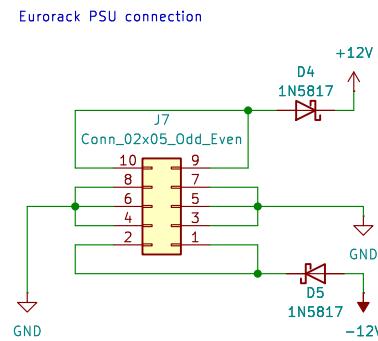
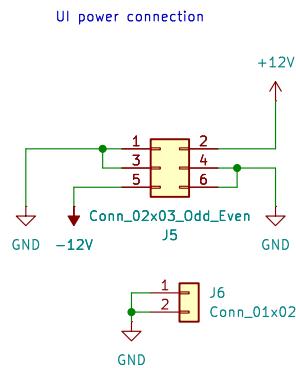
B

C

C

D

D



Shmøergh

Sheet: /Power/  
File: power.kicad\_sch

Title: ADSR + VCA

Size: A4 Date: 2026-02-17  
KiCad E.D.A. 9.0.6

Rev: v1.2  
Id: 4/4

1 2 3 4 5 6