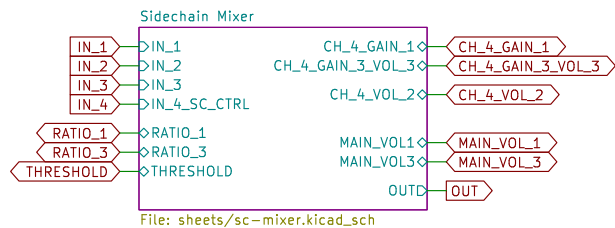
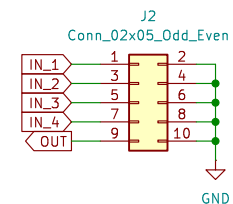
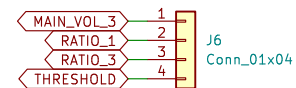
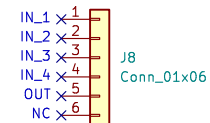


Sidechain mixer



I/O

Default patch connector



Shielding pairs  
DO NOT GROUND ON UI BOARD!

Power



- H1 MountingHole H2 MountingHole H3 MountingHole H4 MountingHole

Shmørergh

Sheet: /  
File: sidechain-mixer-core.kicad\_sch

Title: Mixer & sidechain compressor

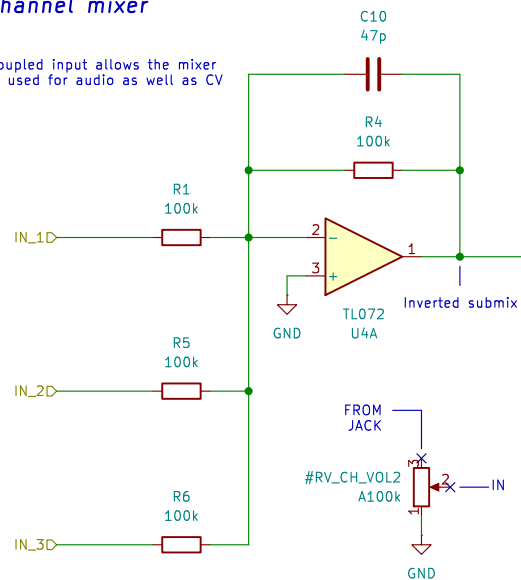
Size: A4 Date: 2025-12-11

KiCad E.D.A. 9.0.6

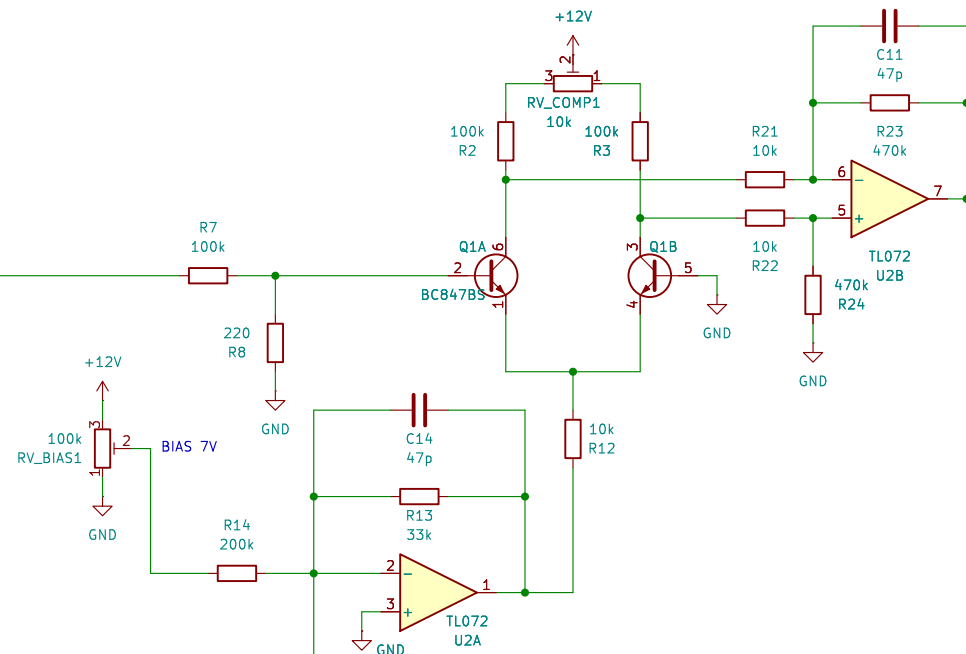
Rev:  
Id: 1/3

### 3-channel mixer

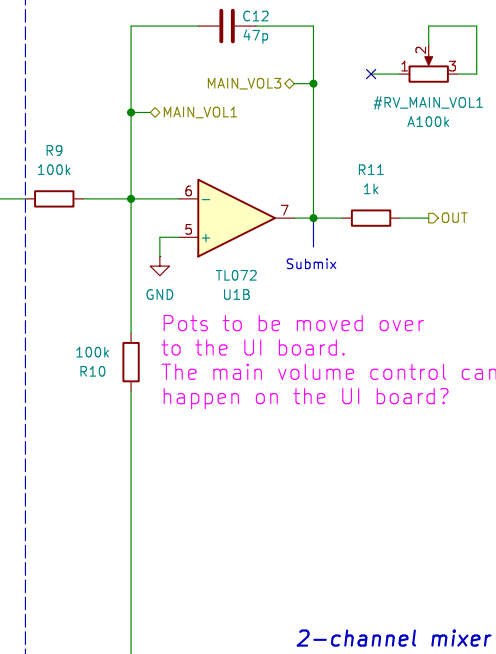
DC coupled input allows the mixer to be used for audio as well as CV



### VCA



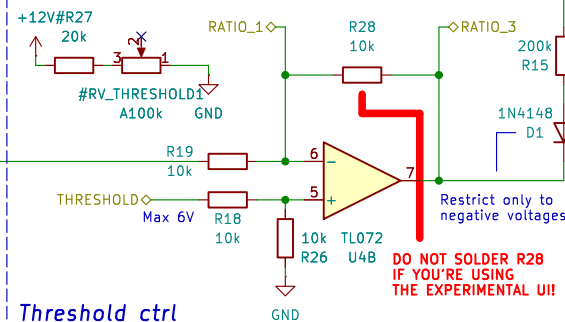
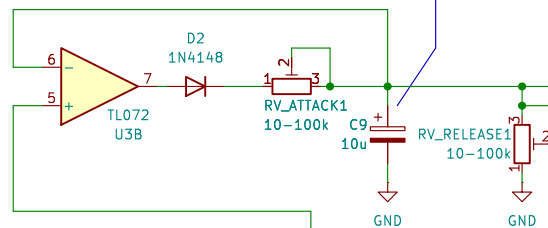
### 2-channel mixer



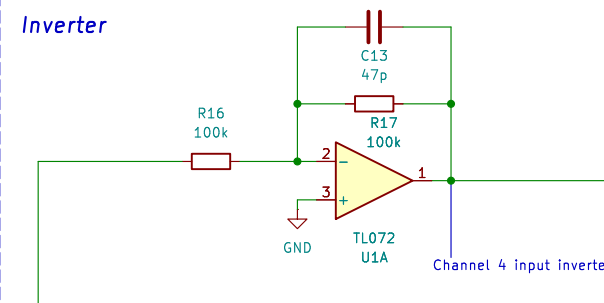
Pots to be moved over to the UI board.  
The main volume control can happen on the UI board?

### Peak detector

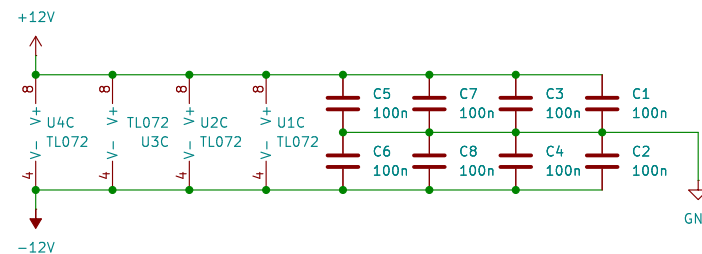
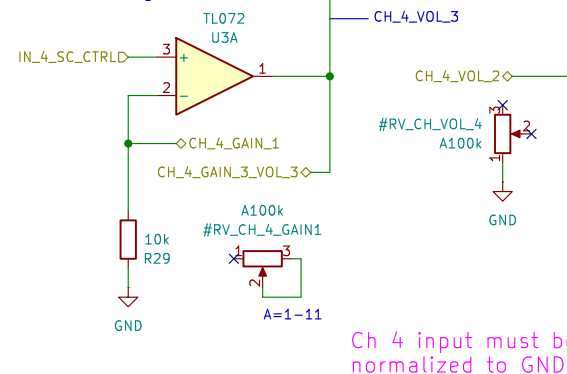
C9 MUST be physically isolated from the VCA as much as possible to minimize crosstalk.



### Inverter



### Channel 4 gain



Sheet: /Sidechain Mixer/  
File: sc-mixer.kicad\_sch

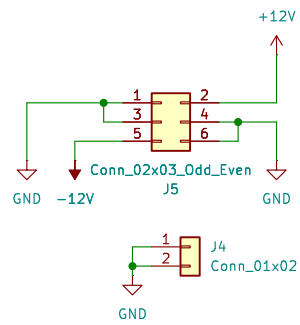
**Title:**

Size: User  
KiCad E.D.A. 9.0.6

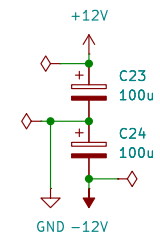
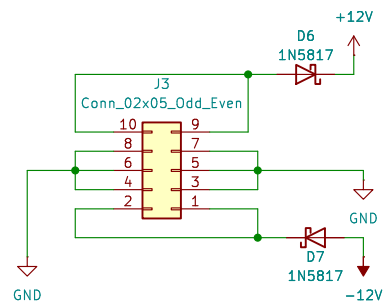
Date:

**Rev:**  
Id: 3/3

UI power connection



Eurorack PSU connection



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

**Title:**

Size: A4 Date:

KiCad E.D.A. 9.0.6

**Rev:**  
Id: 4/3