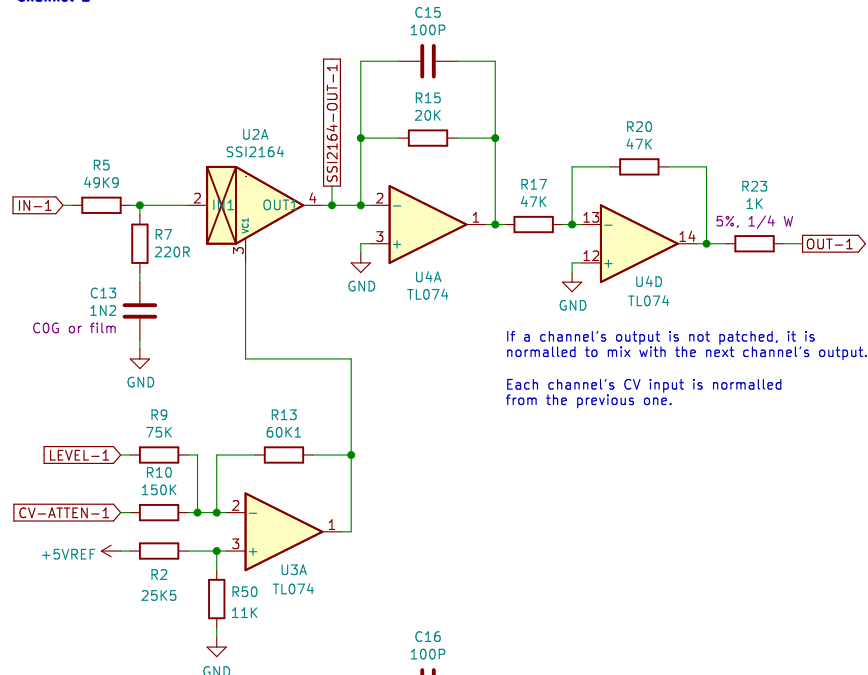
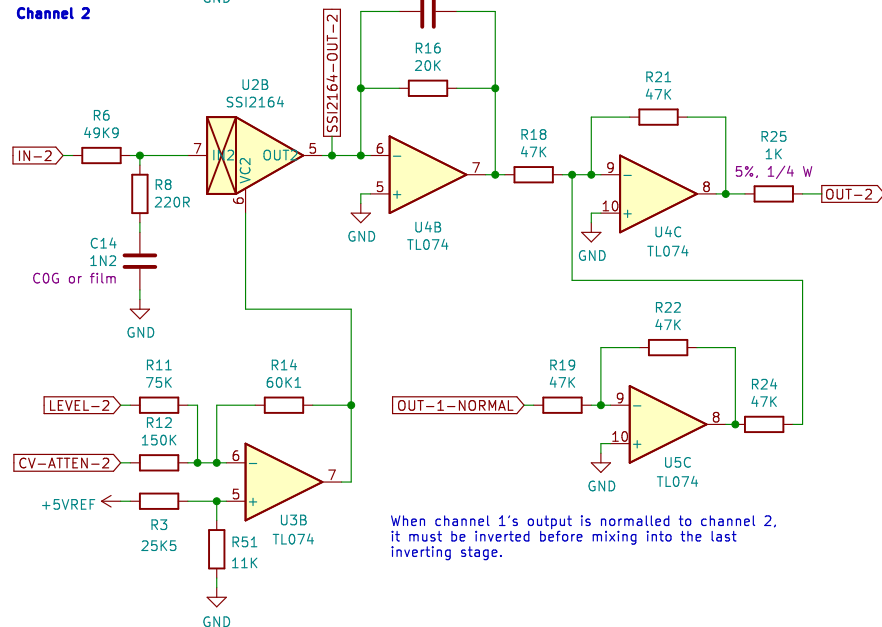


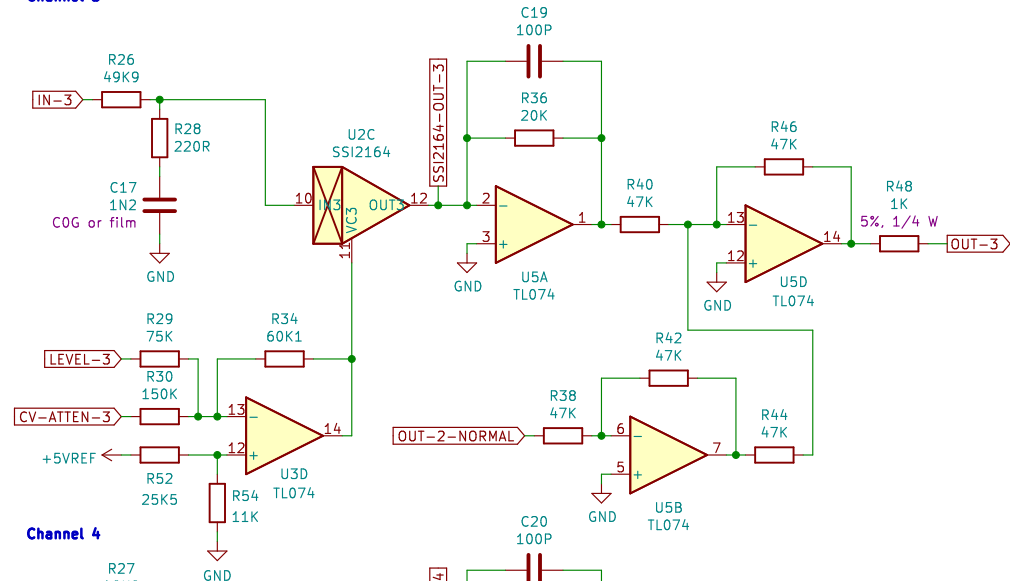
Channel 1



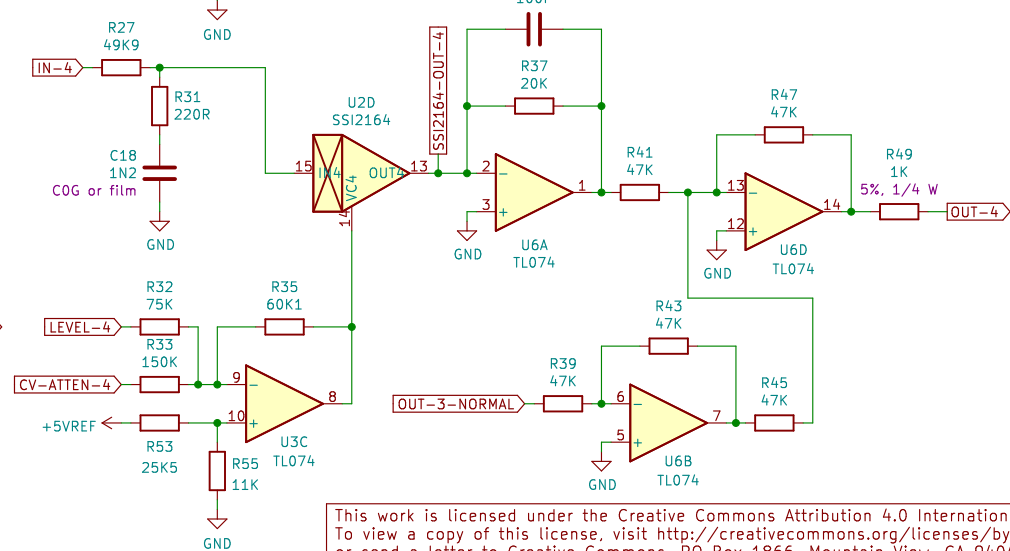
Channel 2



Channel 3



Channel 4



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Eurorack quad exponential VCA module – 10HP

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Sheet: /

File: VCA-4.kicad\_sch

**Title: Power & Hardware – Eurorack 4XVCA Module**

Size: A4 Date: 2021-12-24

KiCad E.D.A. kicad (6.0.4)

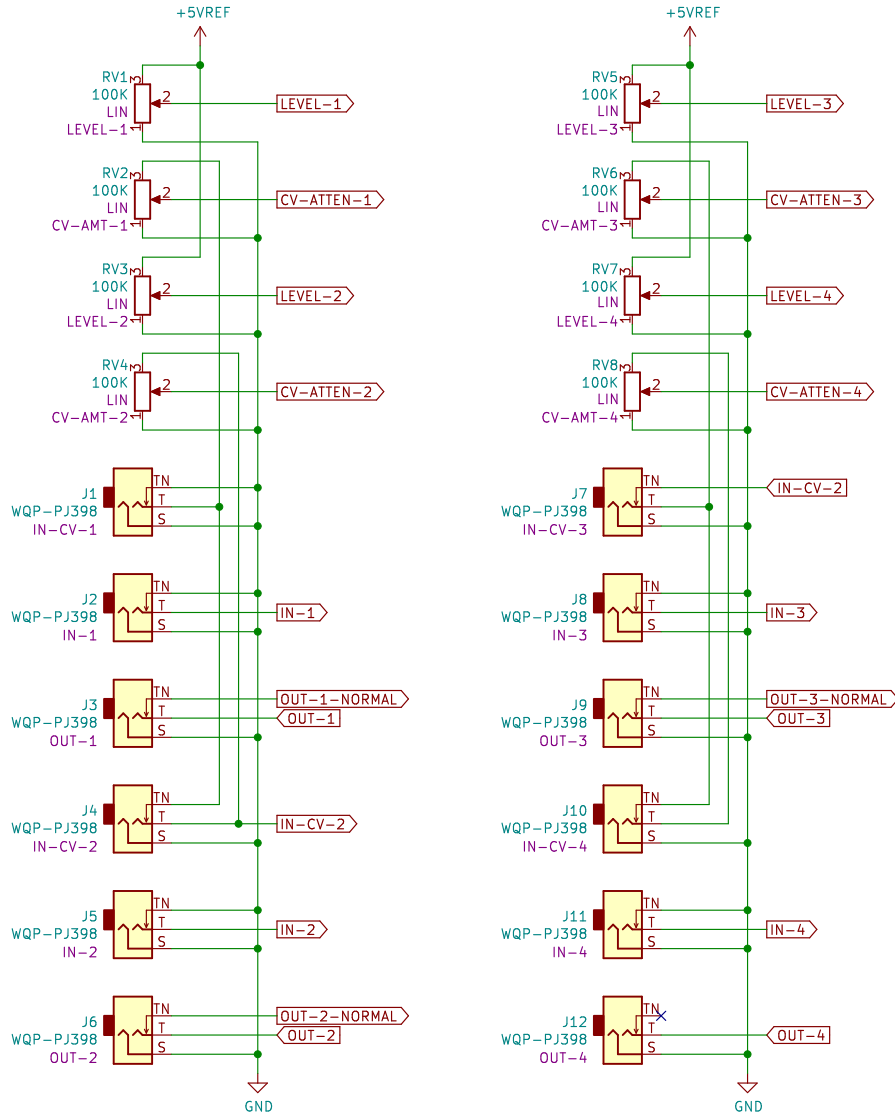
**Rev: 1.0**

Id: 1/3

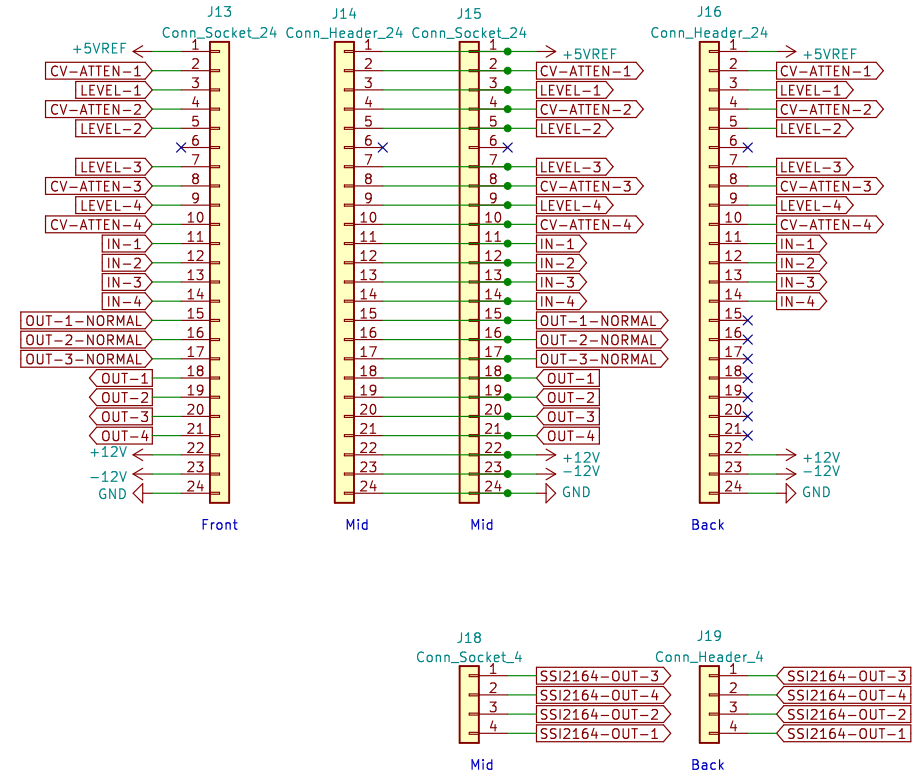
All fixed resistors are 1% tolerance unless otherwise specified.  
All electrolytic capacitors are rated for 25VDC unless otherwise specified.

## Front Panel Controls

Each CV input is normalised to the next one.  
Each output is normalised to mix with the next one.



## Board Connectors



All fixed resistors are 1% tolerance unless otherwise specified.  
All electrolytic capacitors are rated for 25VDC unless otherwise specified.

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Sheet: /Controls/

File: Controls.kicad\_sch

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Size: A4 Date: 2021-12-24

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**Rev: 1.0**

Id: 2/3

The schematic diagram illustrates the power supply section of the Eurorack module. It features a 12V input connected to a 1K resistor (R1) and a 10uF capacitor (C2). The output of the regulator (U1, LM4040) is +5VREF, which is connected to a 5V0 diode and a 10uF capacitor (C1). The output of the diode is +5VREF. The input is connected to a 10-pin connector (J17, Conn\_Eurack\_10) with pins 10, 8, 6, 4, 2, 9, 7, 5, 3, 1. The output is connected to a 10-pin connector (A1, Cable\_Eurack\_10) with pins 10, 8, 6, 4, 2, 9, 7, 5, 3, 1. The input is labeled PWR\_FLAG and the output is labeled +5VREF.

Exploded view diagram of the front panel assembly, showing the sequence of components from top to bottom:

- Screw\_M3x0.50x6
- MountingHole\_M3
- Standoff\_F-F\_11mm\_M3x0.50
- MountingHole\_M3
- Screw\_M3x0.50x6

[illegible]

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Id: 3/3