

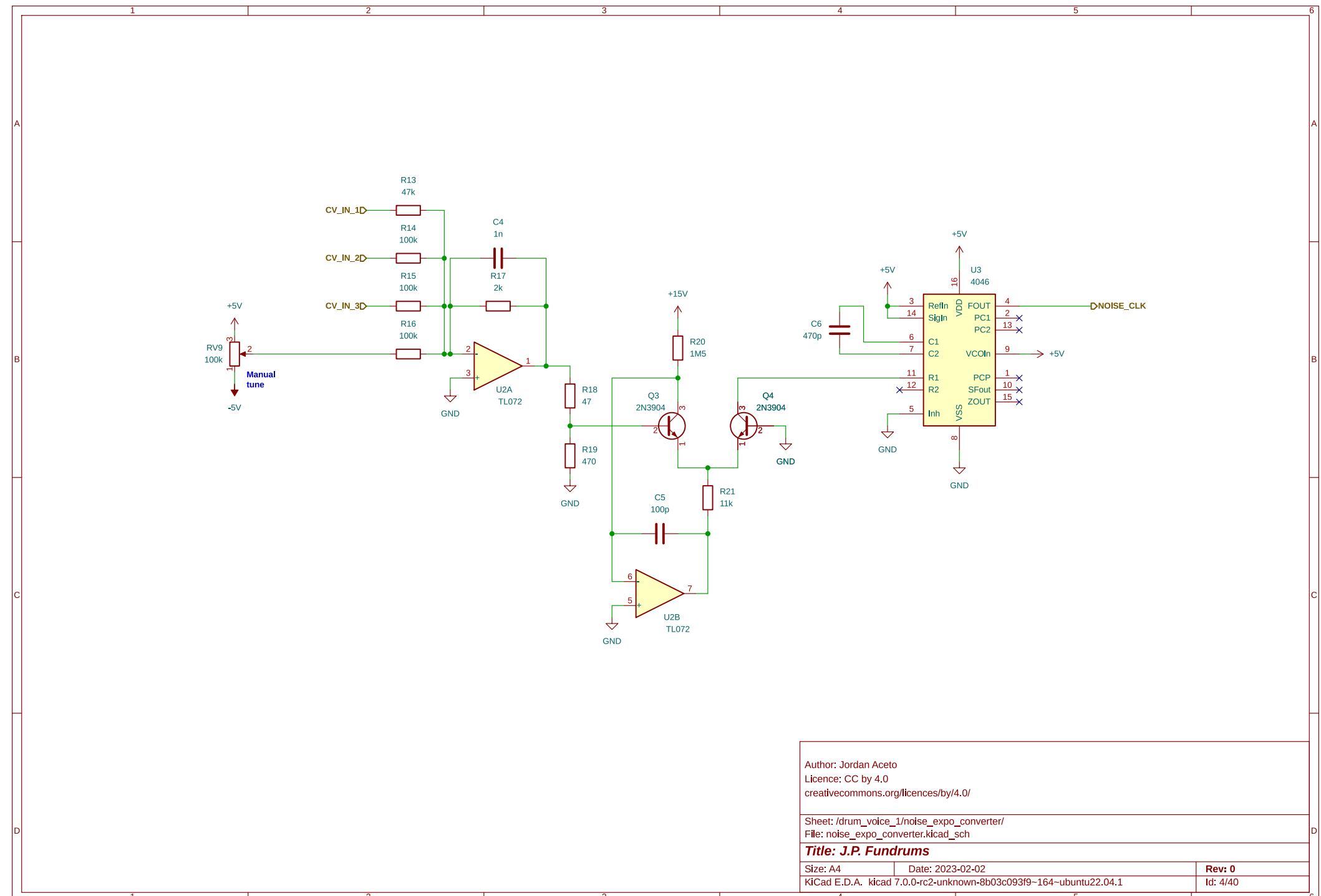
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Sheet: /drum\_voice\_1/VCO\_expo\_converter/  
 File: VCO\_expo\_converter.kicad\_sch

**Title: J.P. Fundrums**

Size: A4	Date: 2023-02-02	Rev: 0
KiCad E.D.A. kicad 7.0.0-rc2-unknown-8b03c093f9~164~ubuntu22.04.1		

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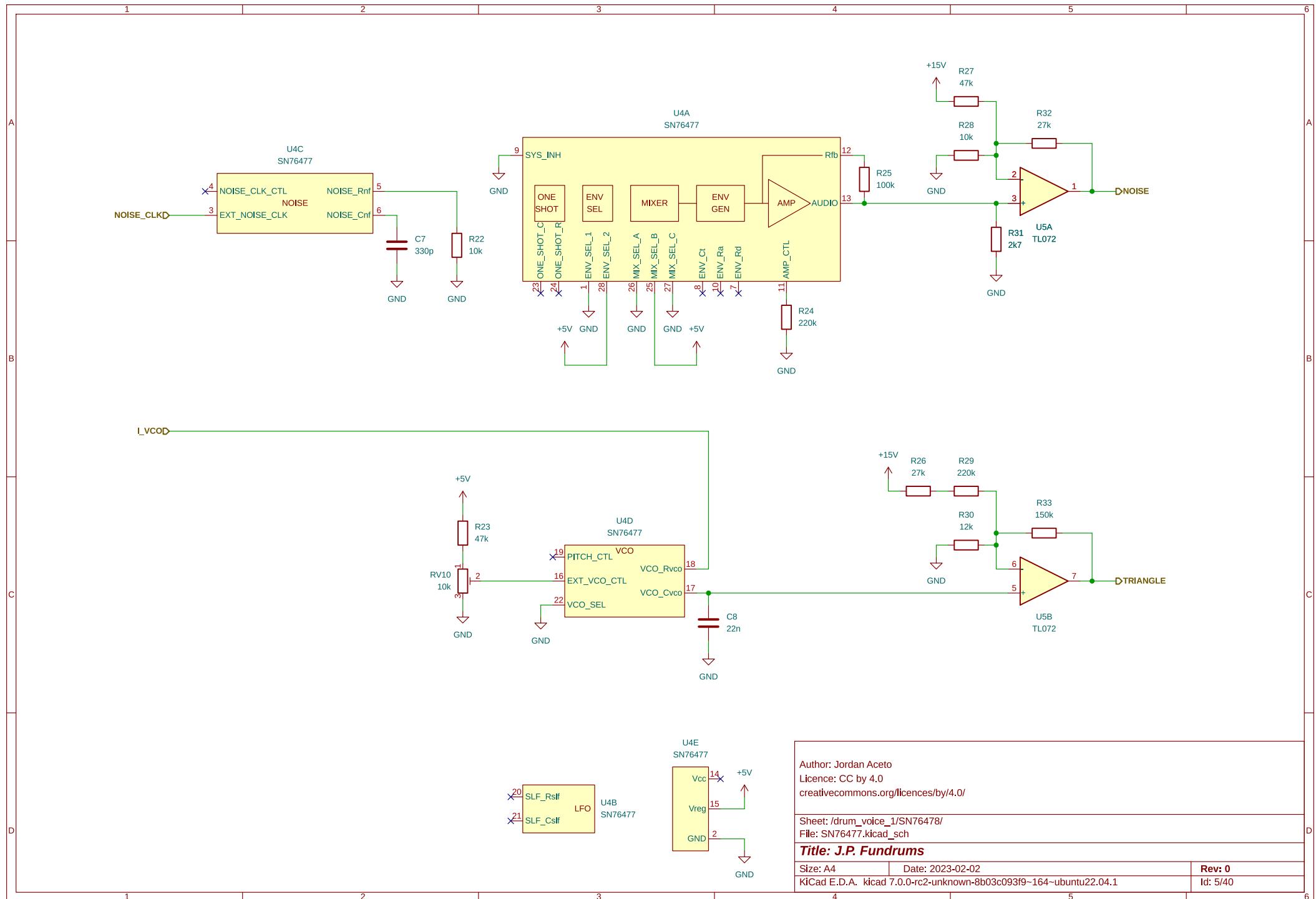


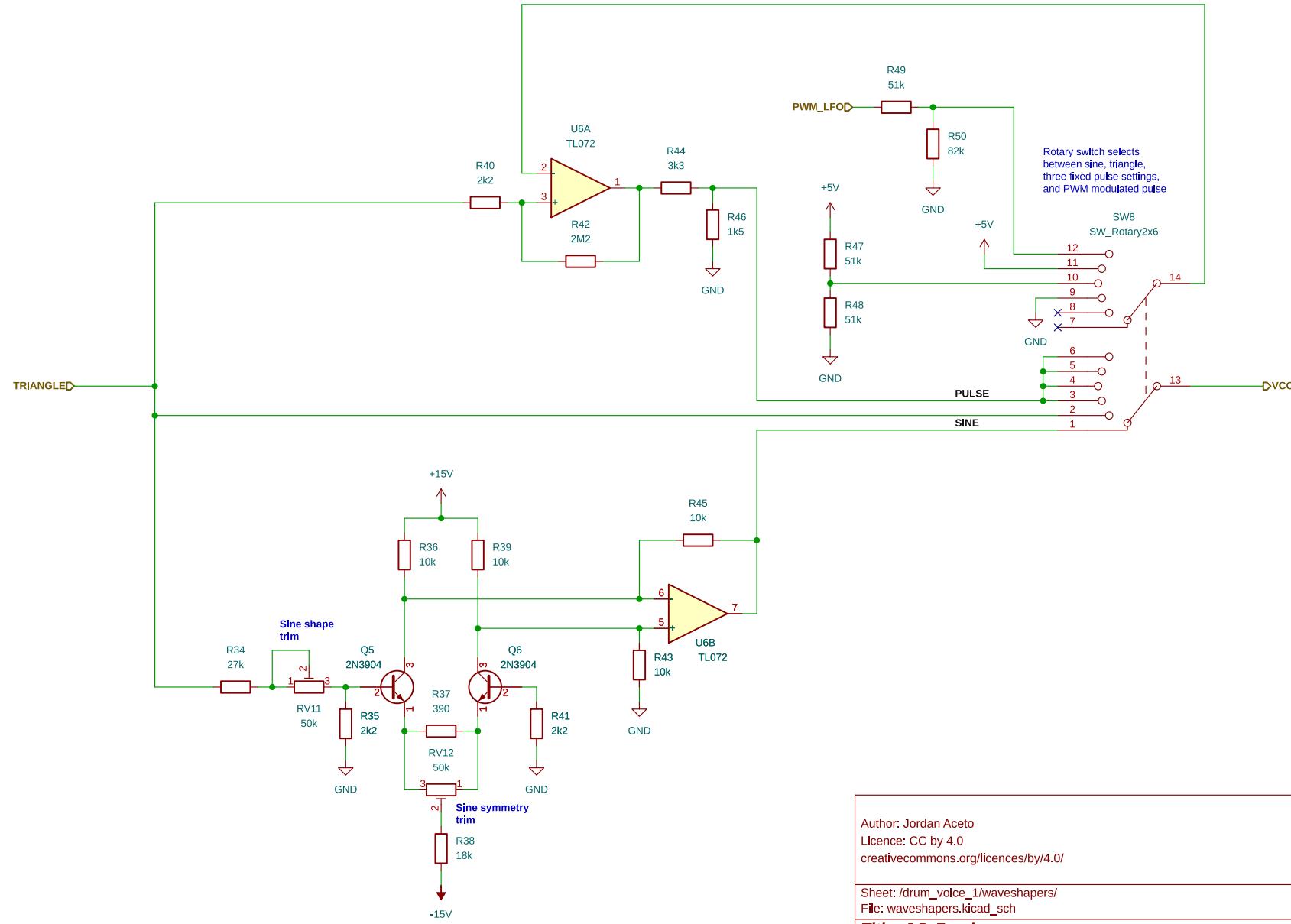
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**Title: J.P. Fundrums**

Size: A4	Date: 2023-02-02	Rev: 0
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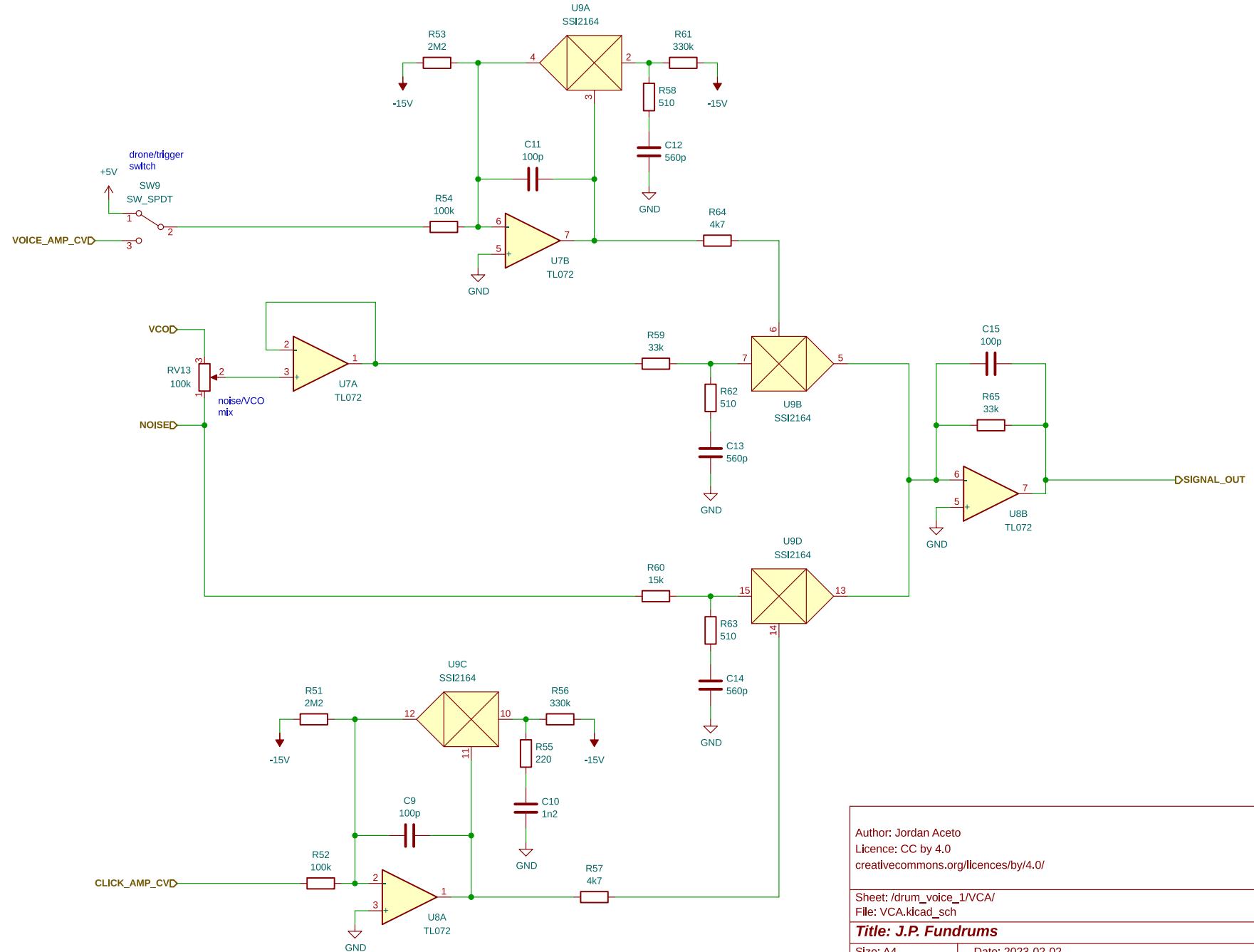


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Sheet: /drum\_voice\_1/waveshapers/  
 File: waveshapers.kicad\_sch

**Title: J.P. Fundrums**

Size: A4	Date: 2023-02-02	Rev: 0
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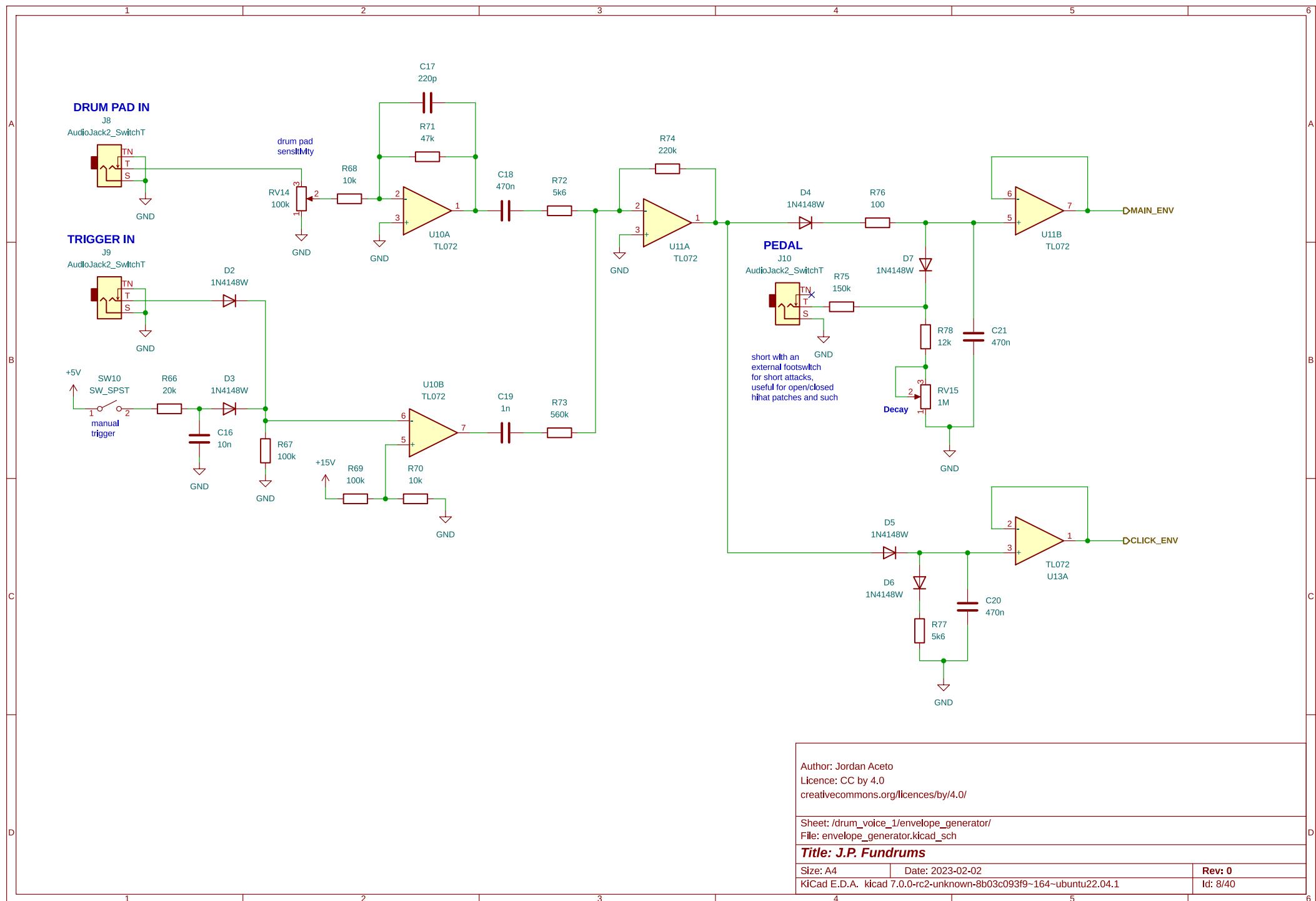


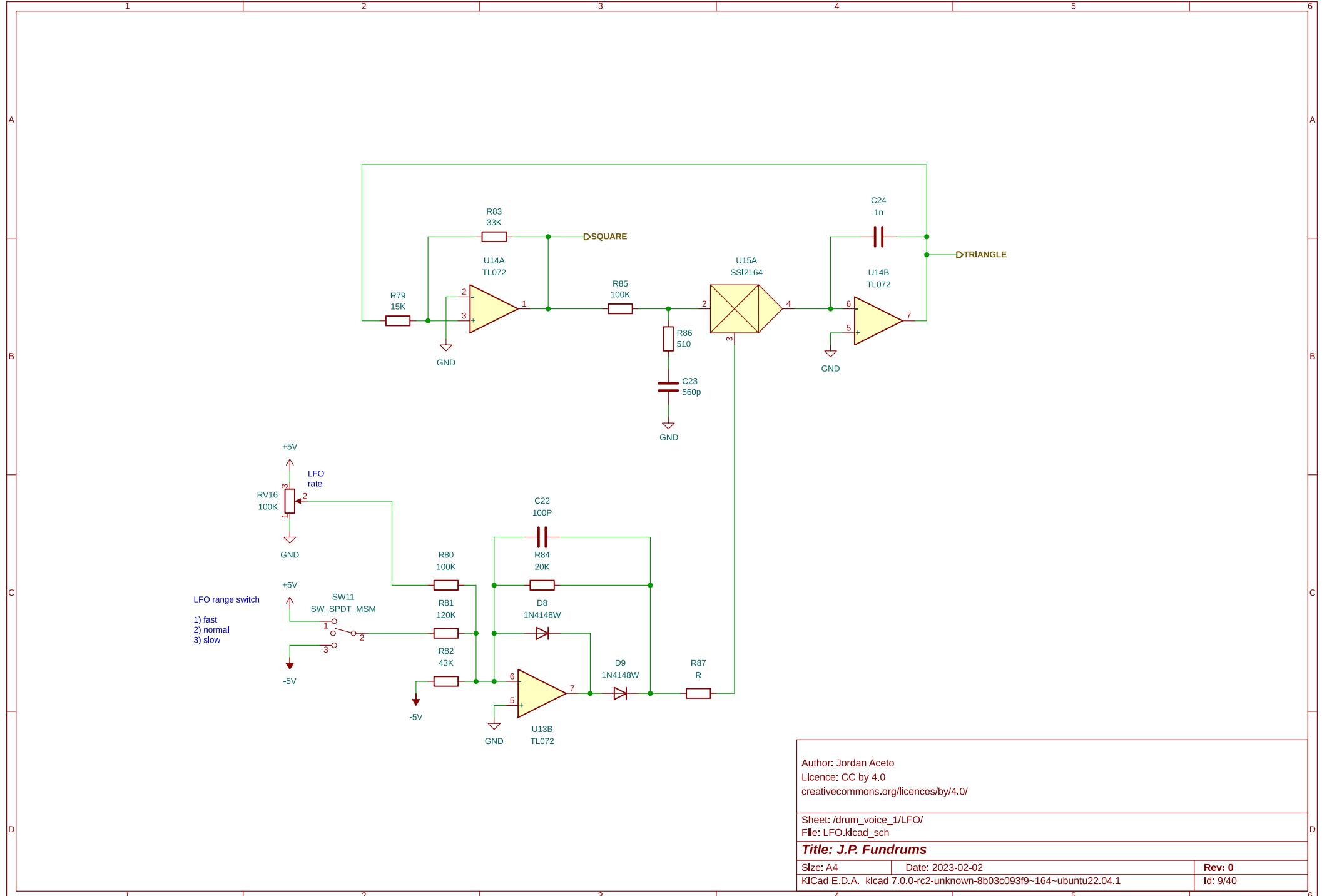
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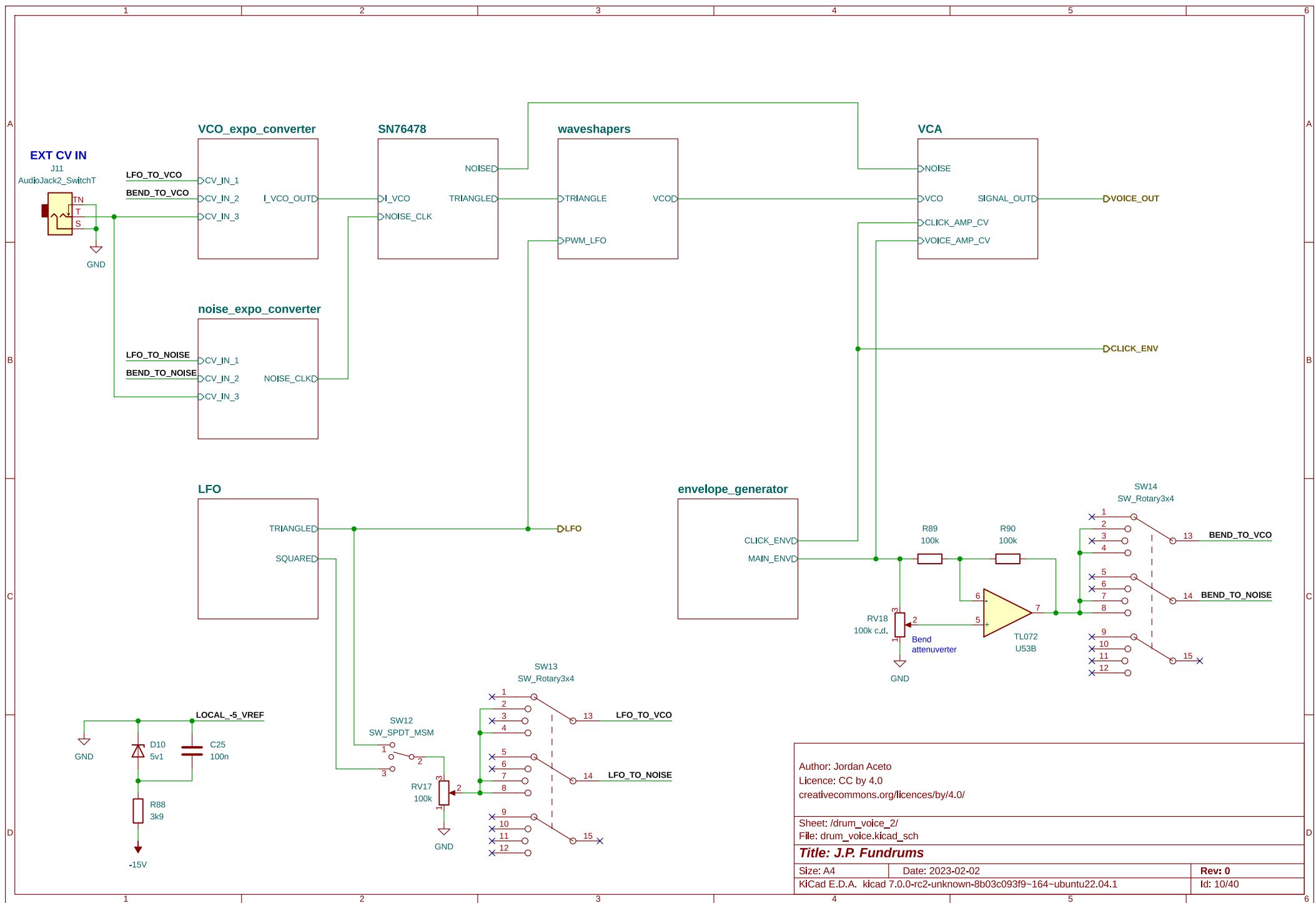
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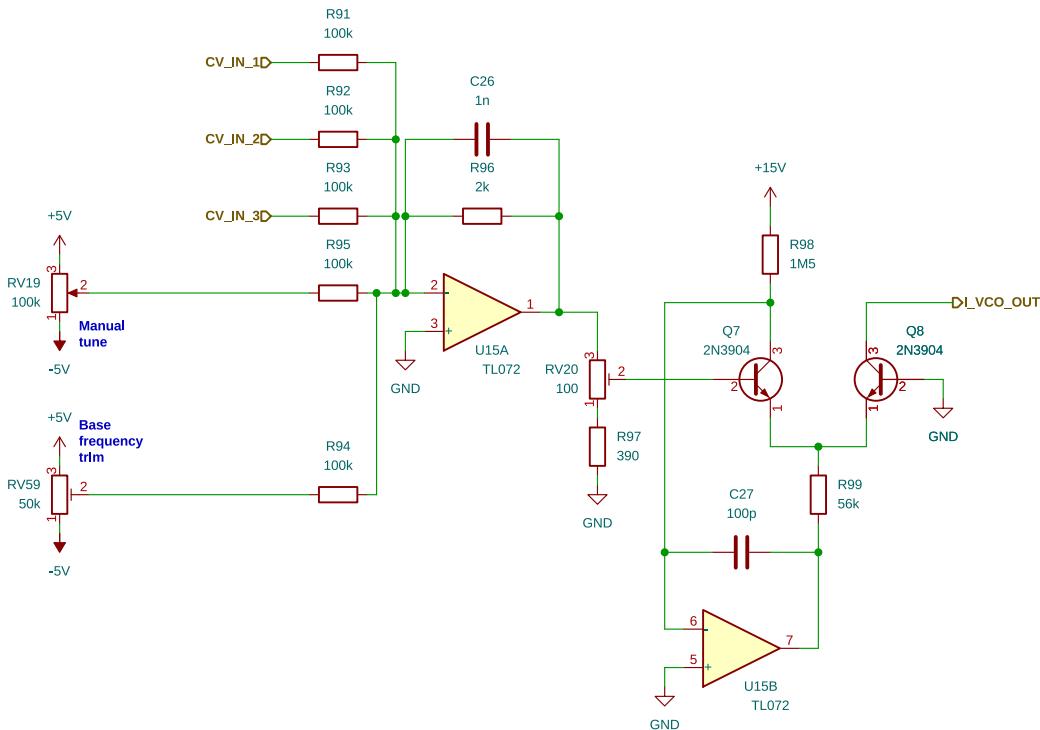
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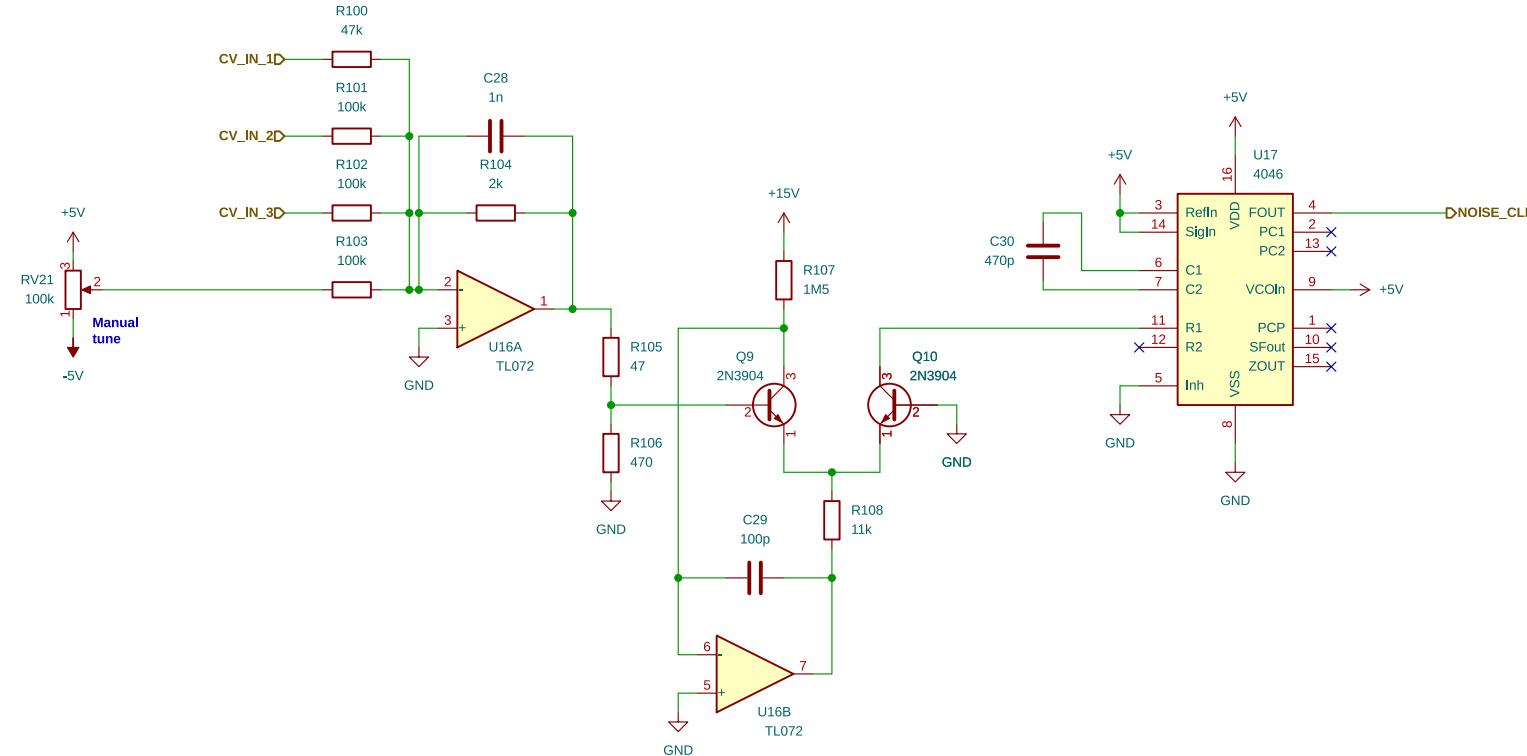


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Sheet: /drum\_voice\_2/VCO\_expo\_converter/  
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**Title: J.P. Fundrums**

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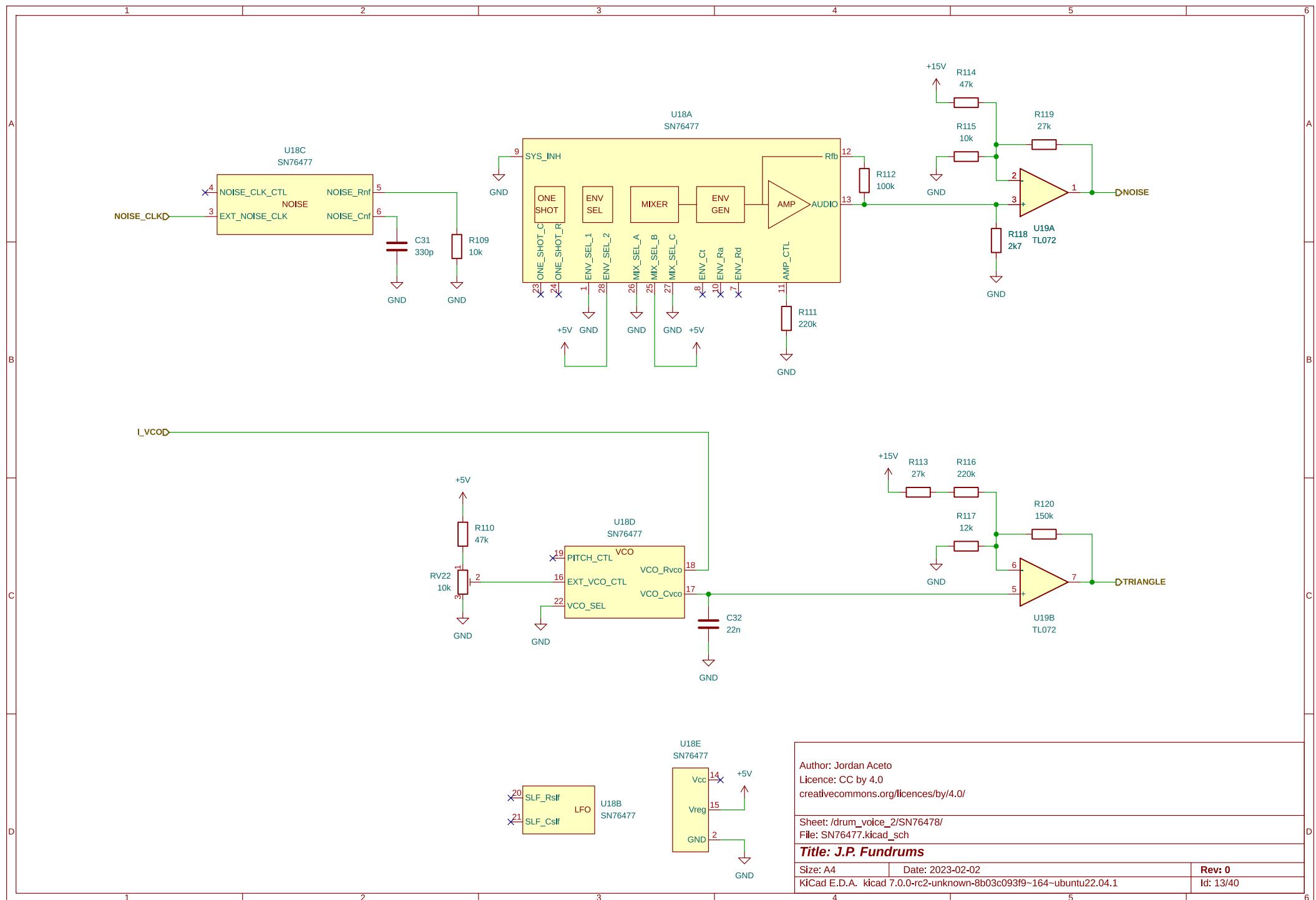


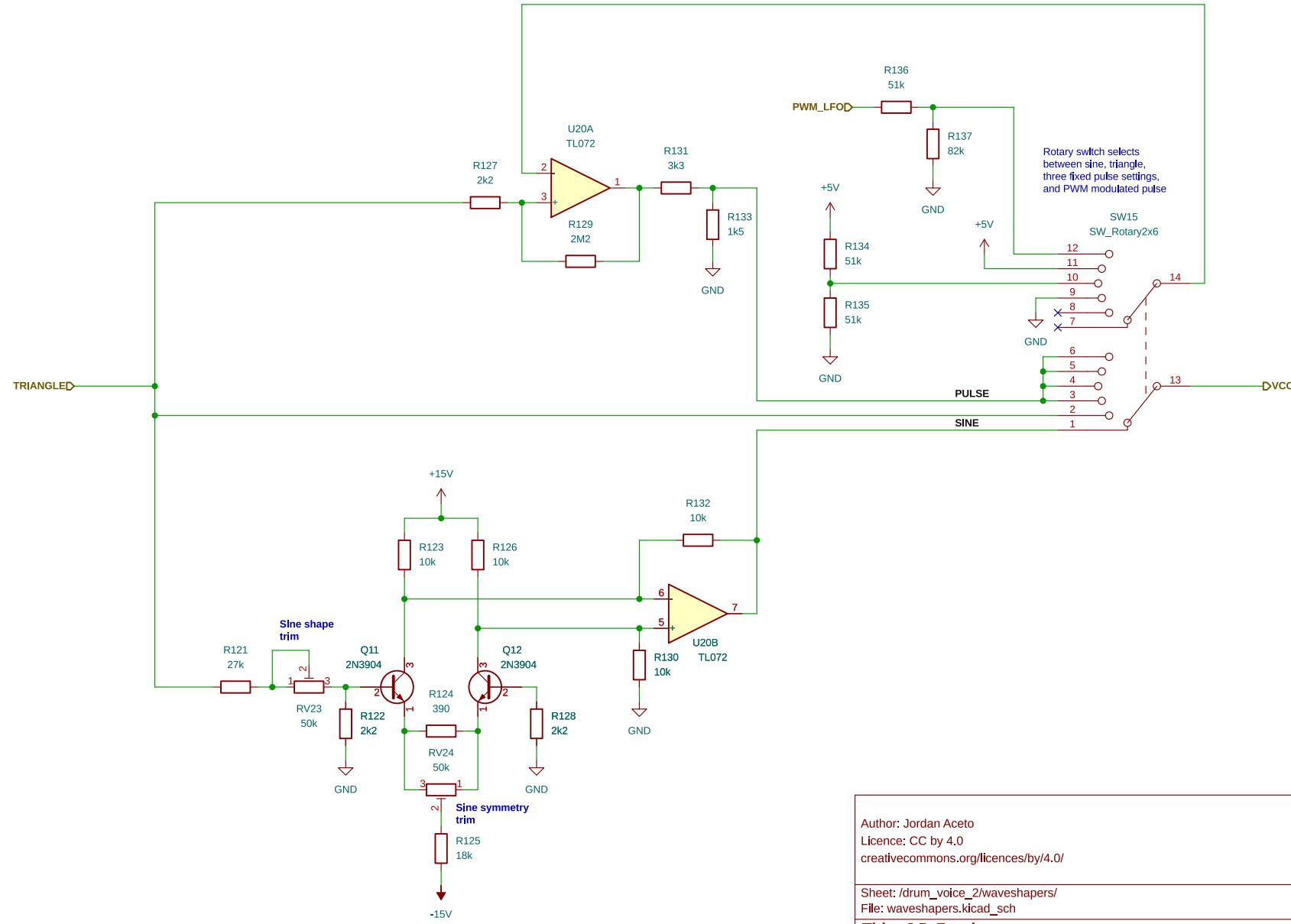
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**Title: J.P. Fundrums**

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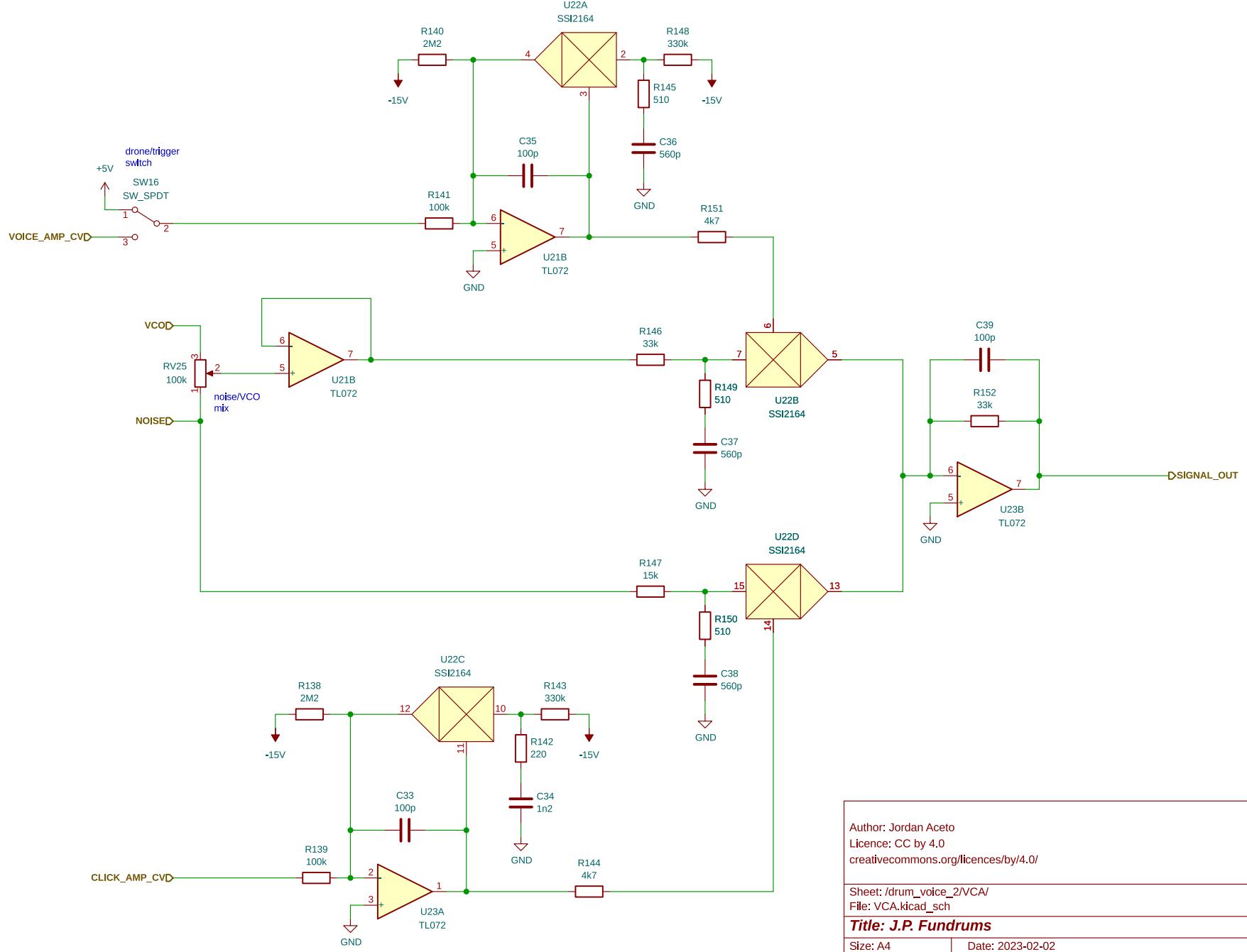


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**Title: J.P. Fundrums**

Size: A4	Date: 2023-02-02	Rev: 0
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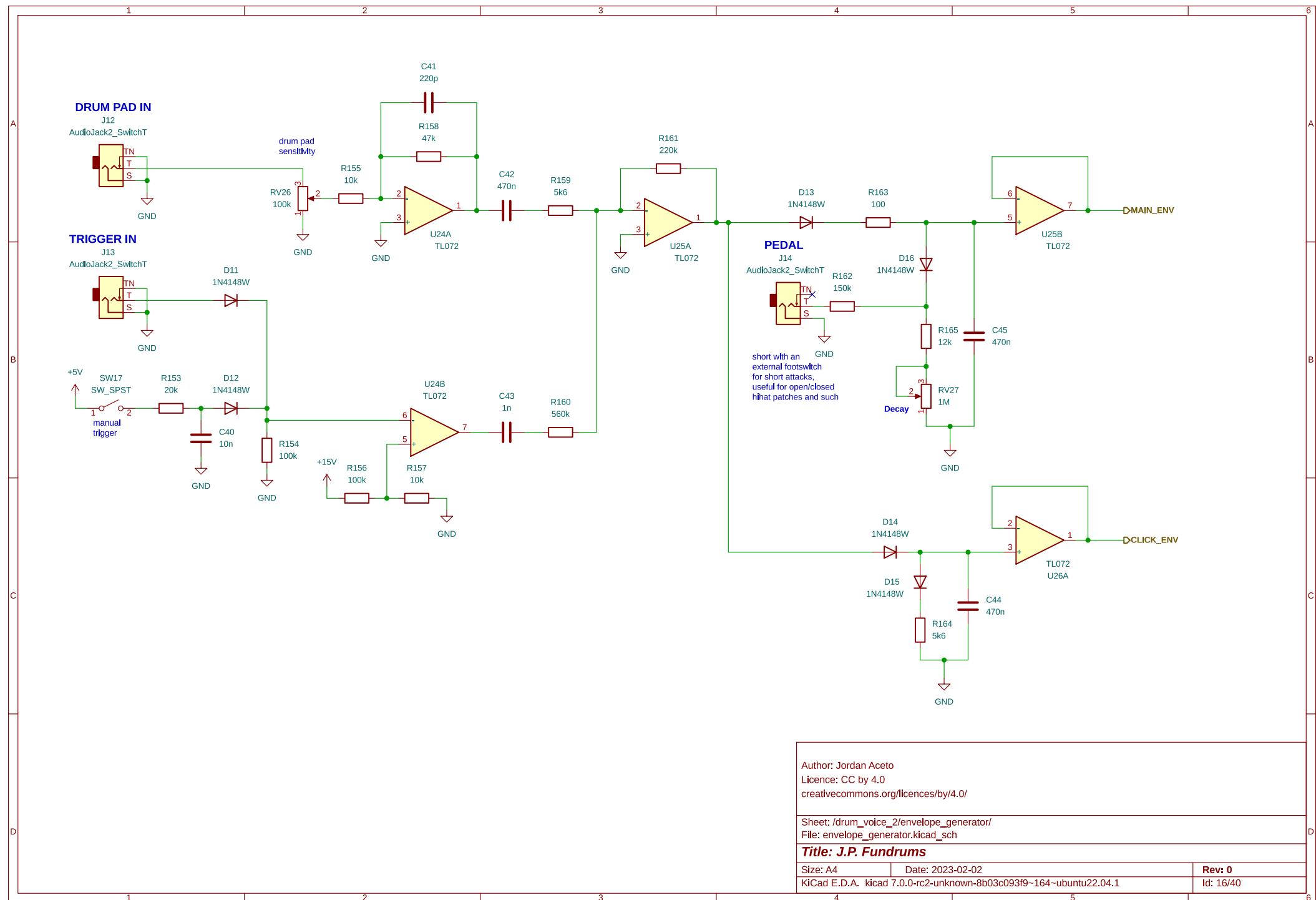
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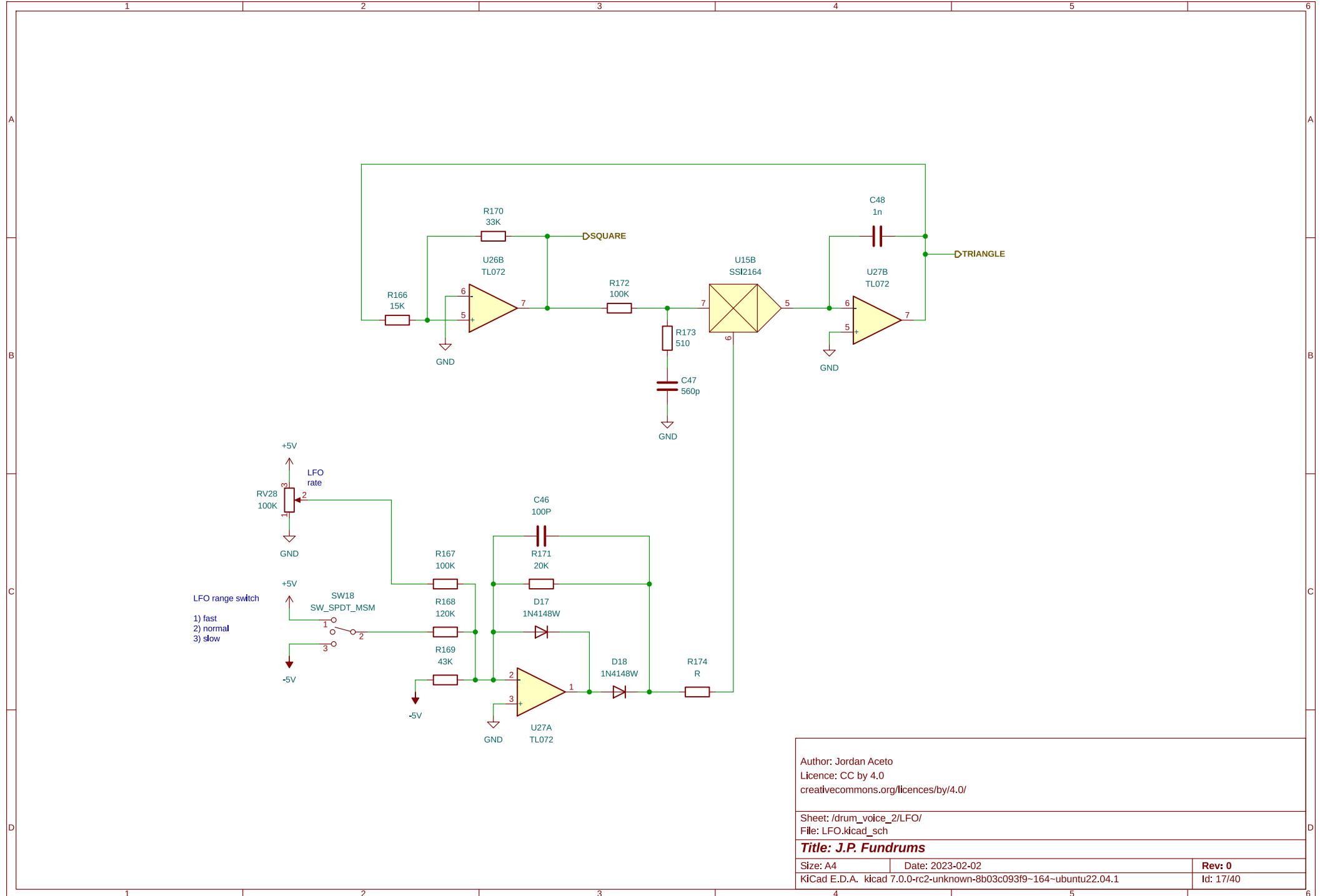
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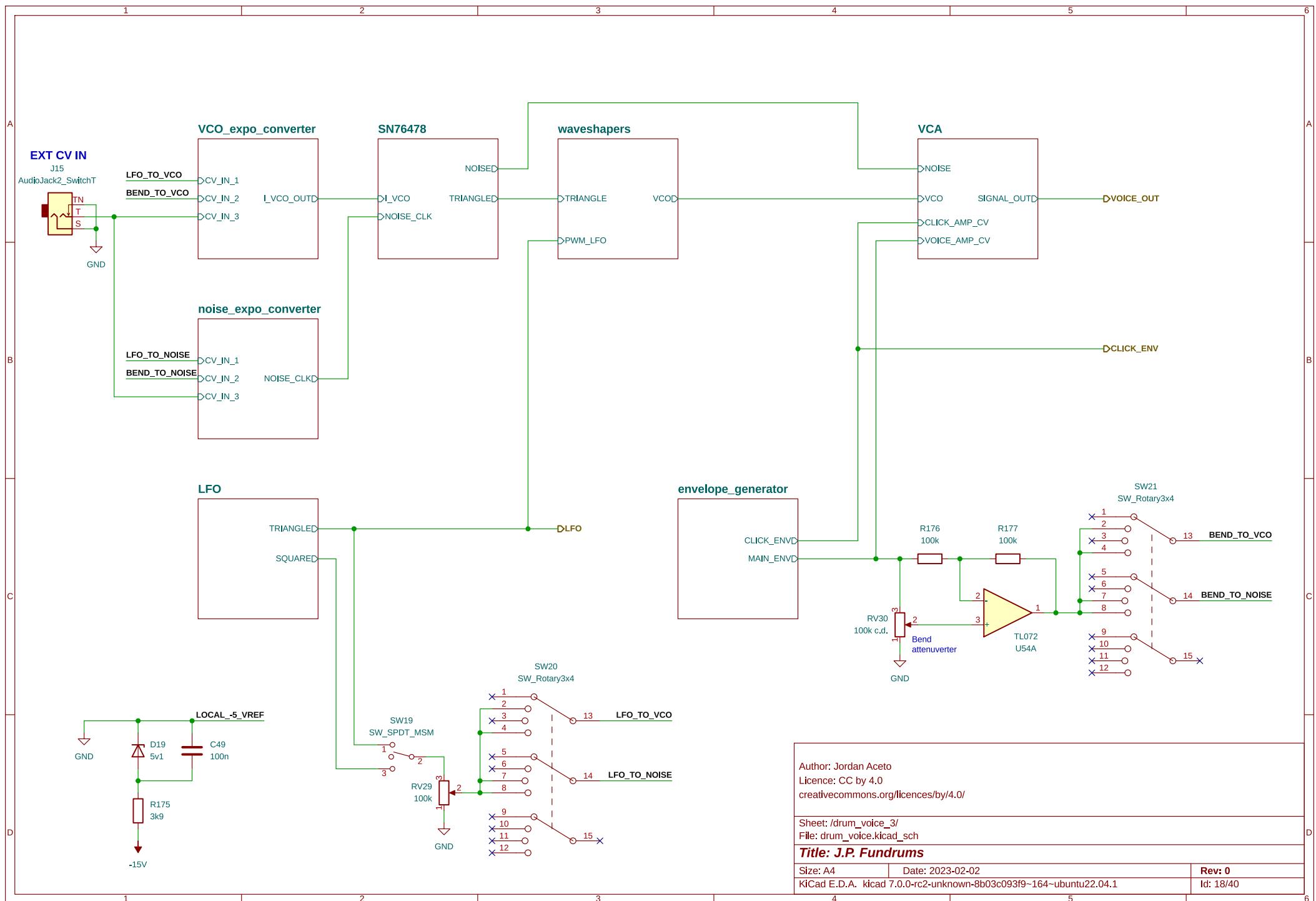
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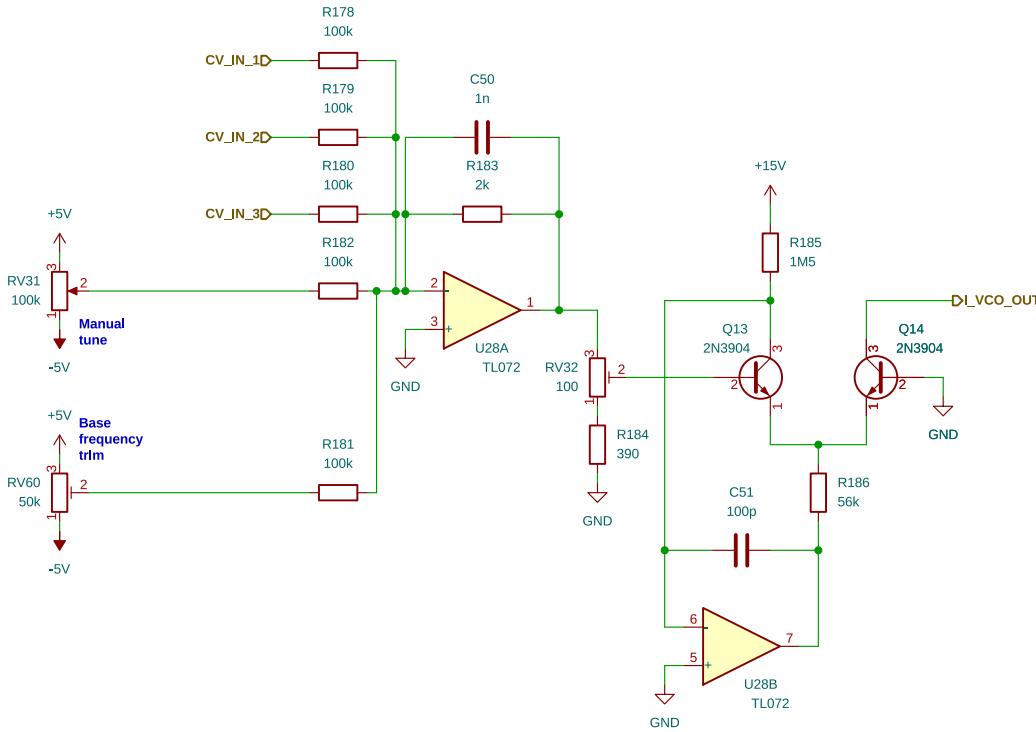
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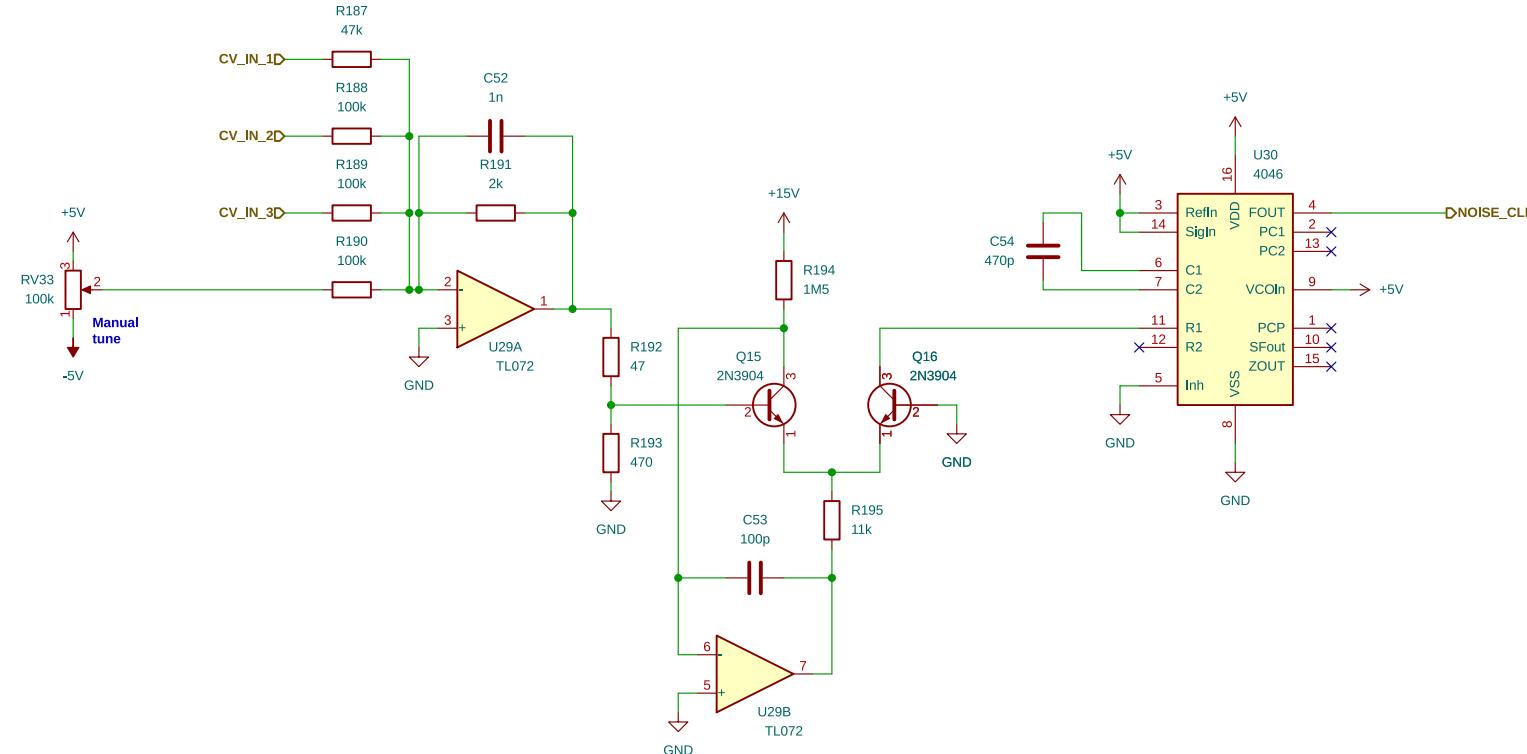
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### Title: J.P. Fundrums

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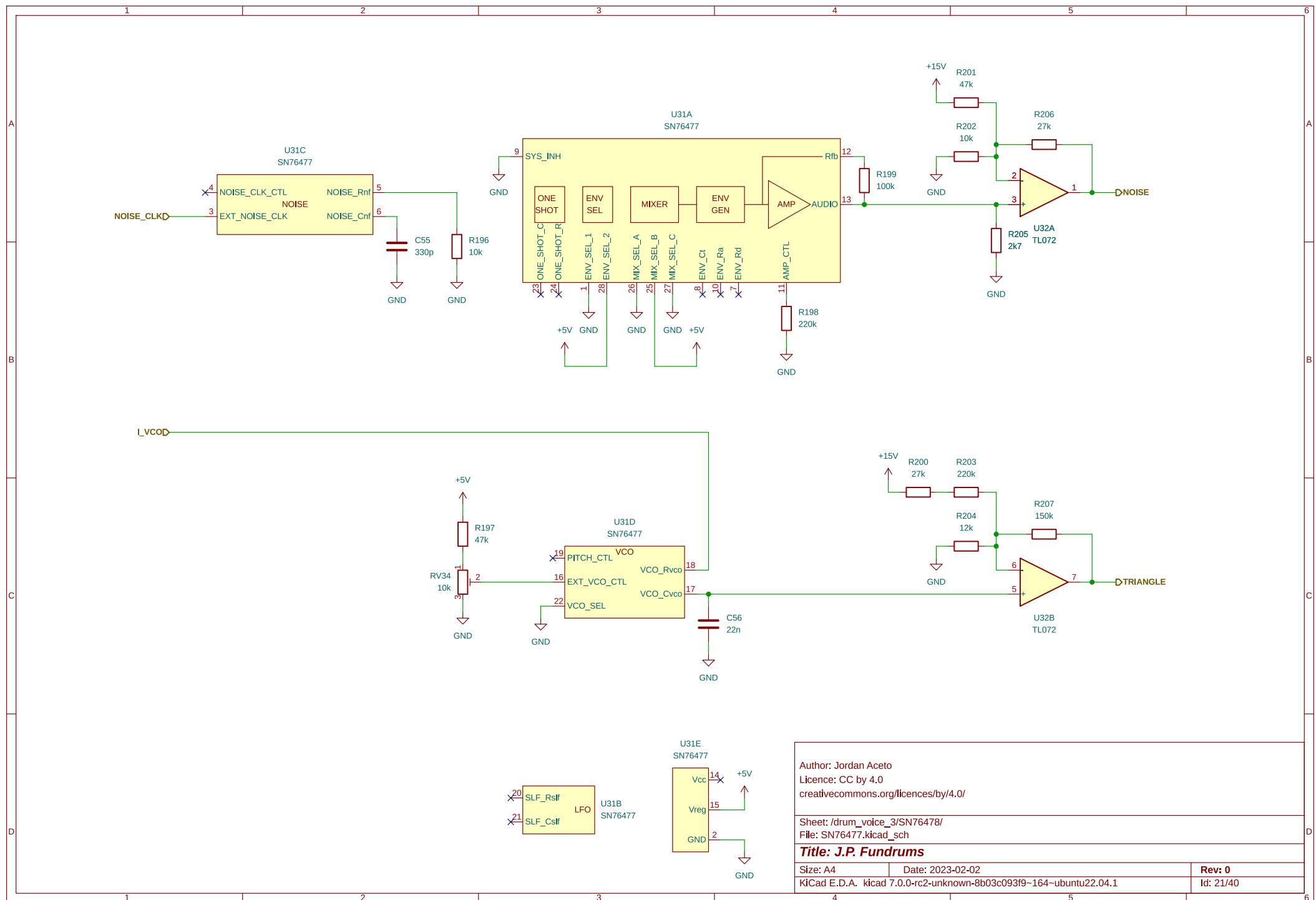


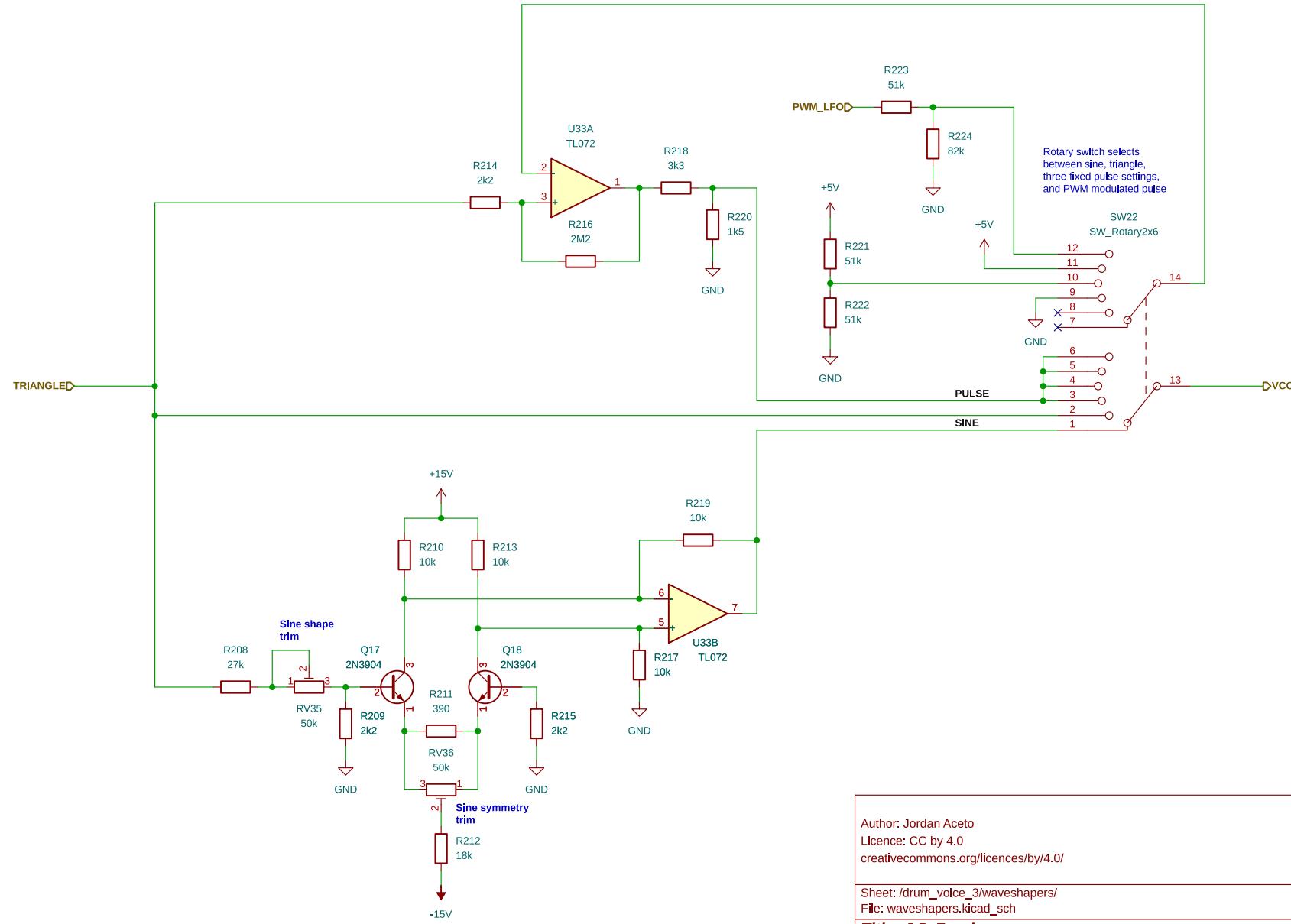
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Sheet: /drum\_voice\_3/noise\_expo\_converter/  
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**Title: J.P. Fundrums**

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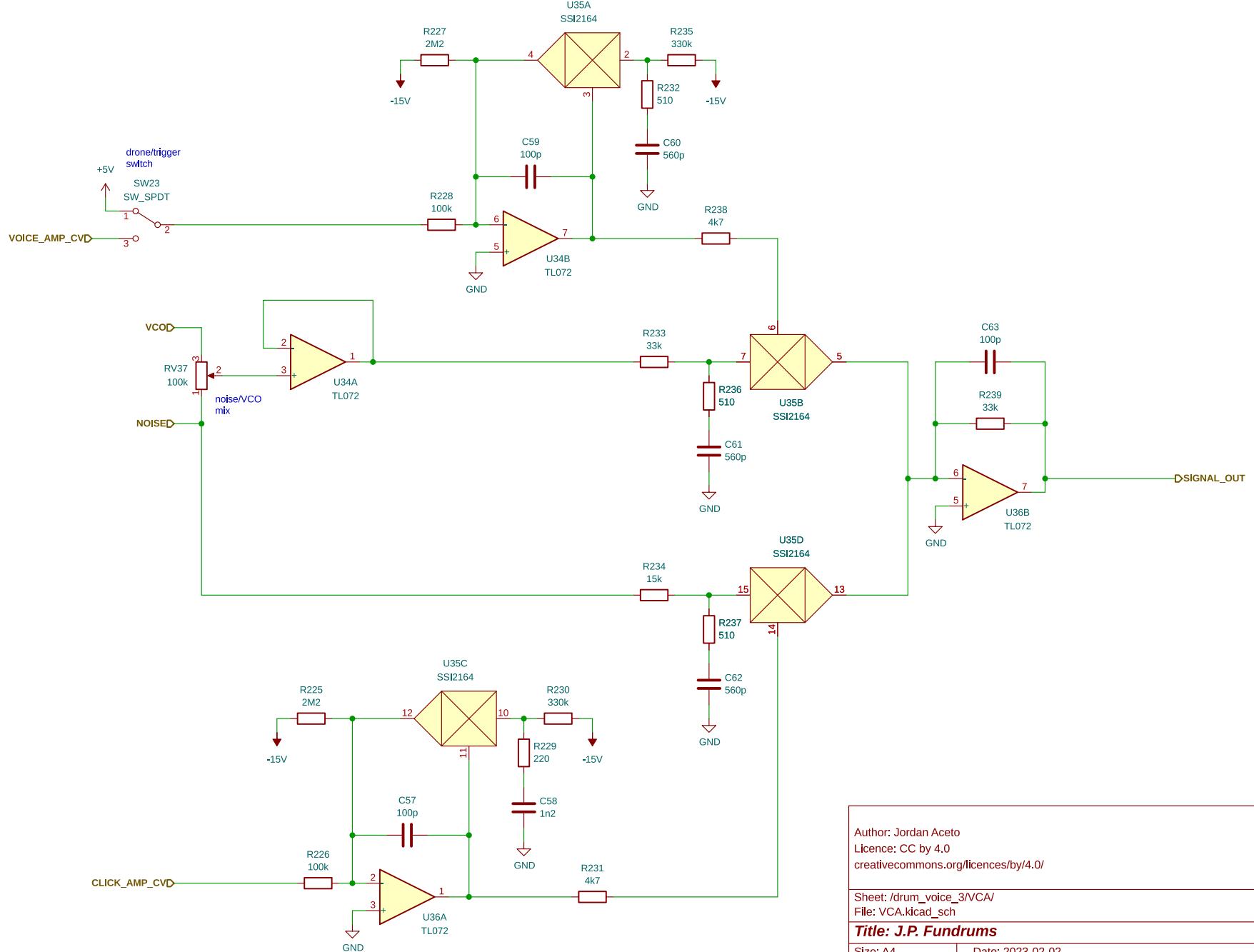


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**Title: J.P. Fundrums**

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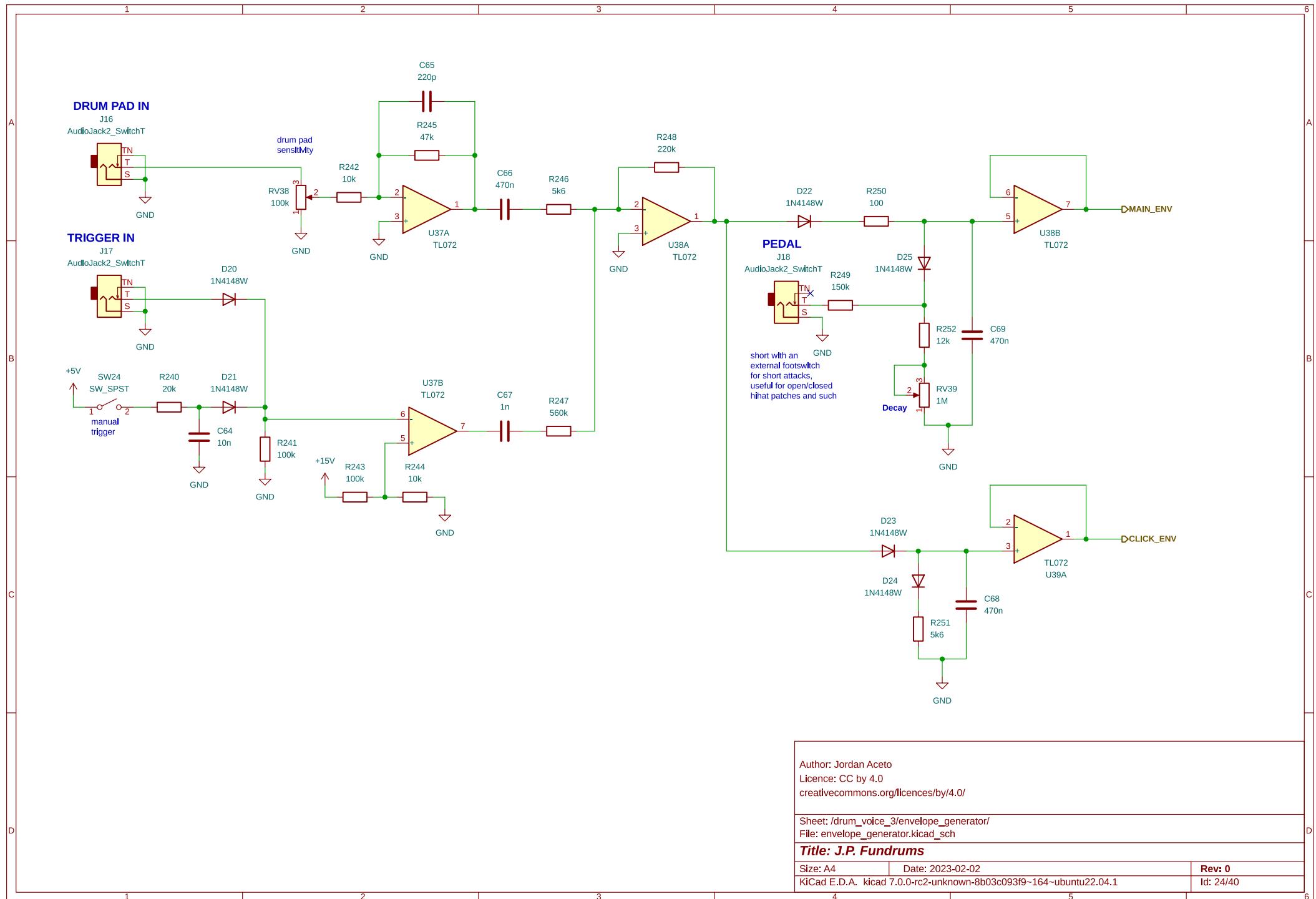


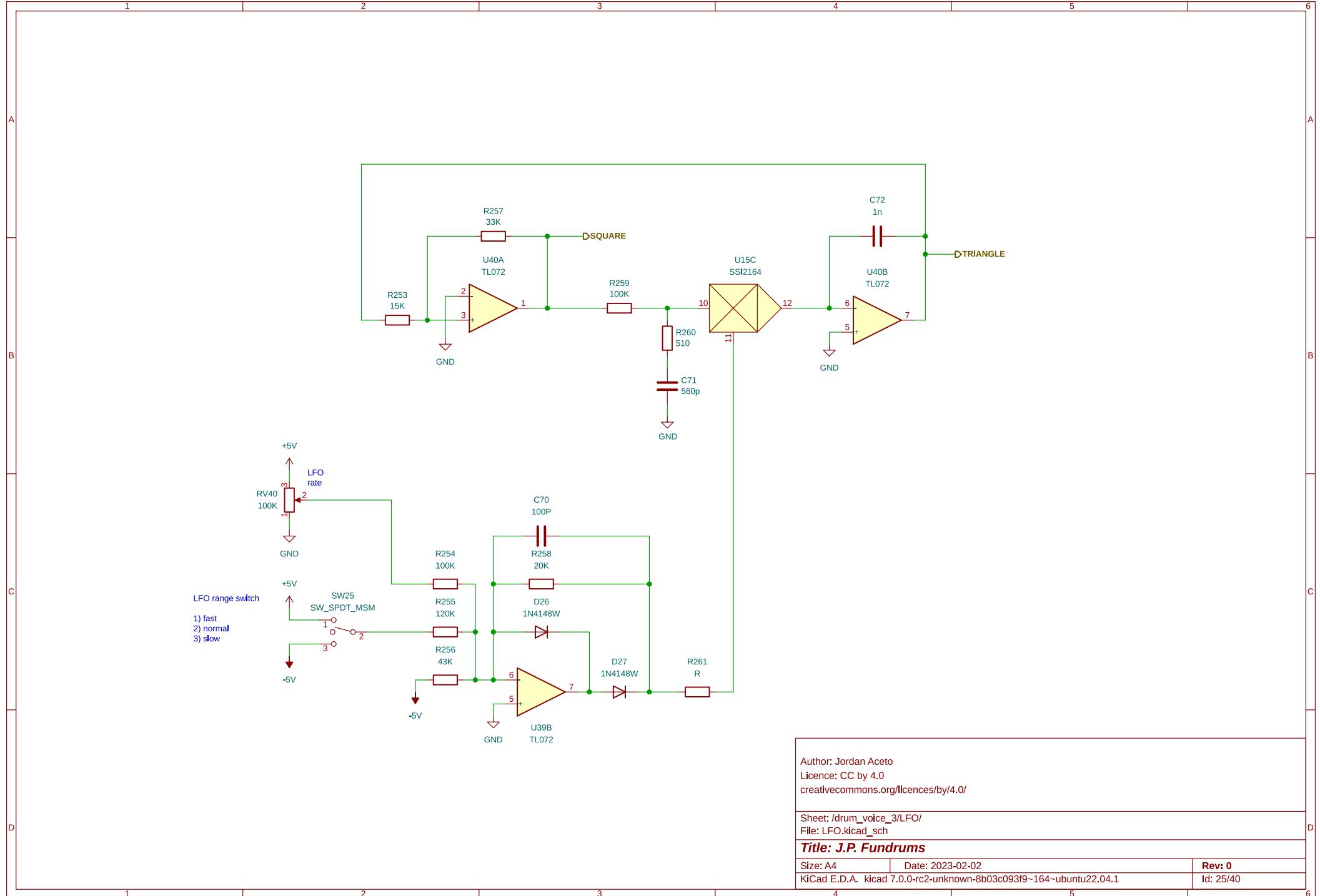
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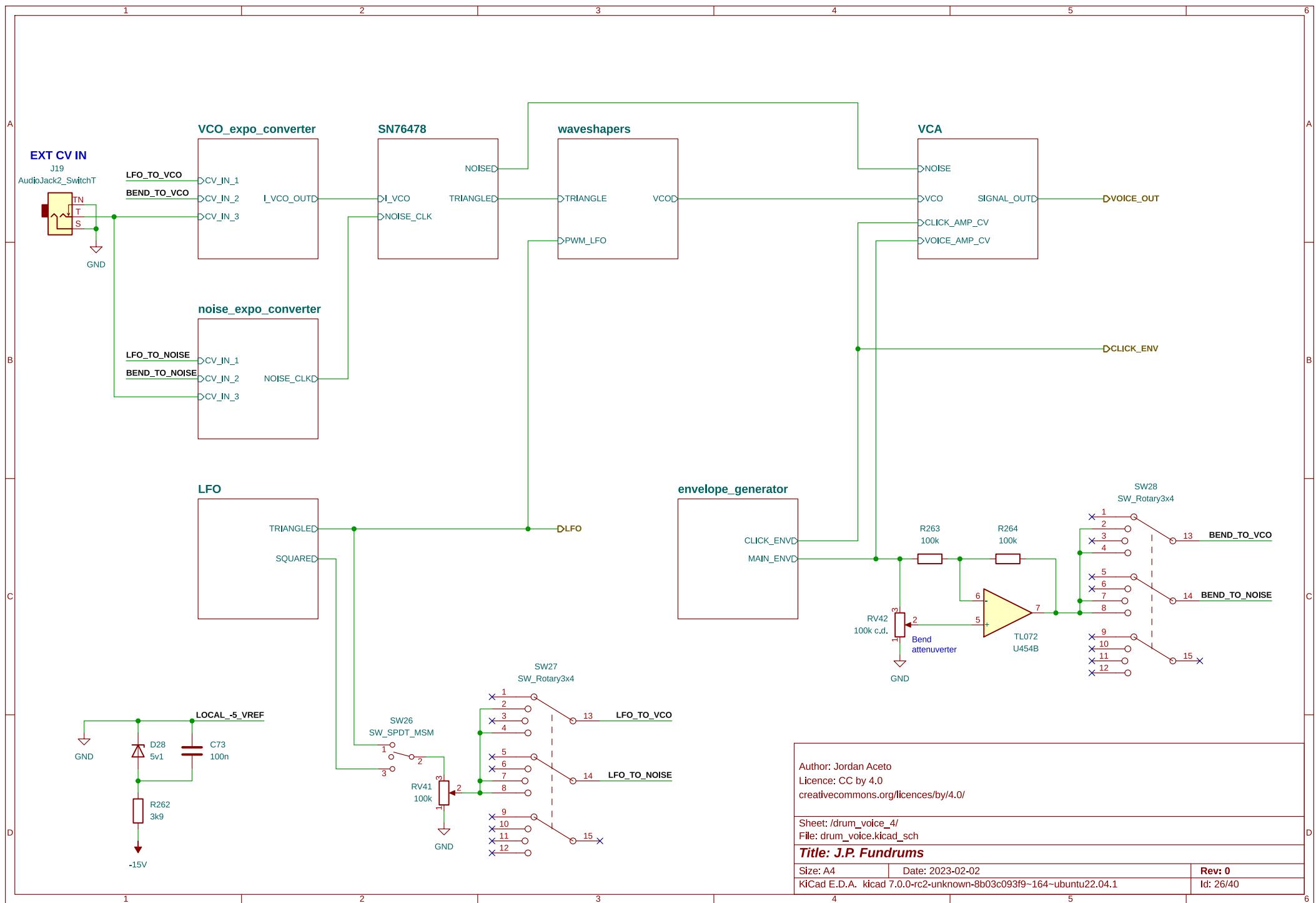
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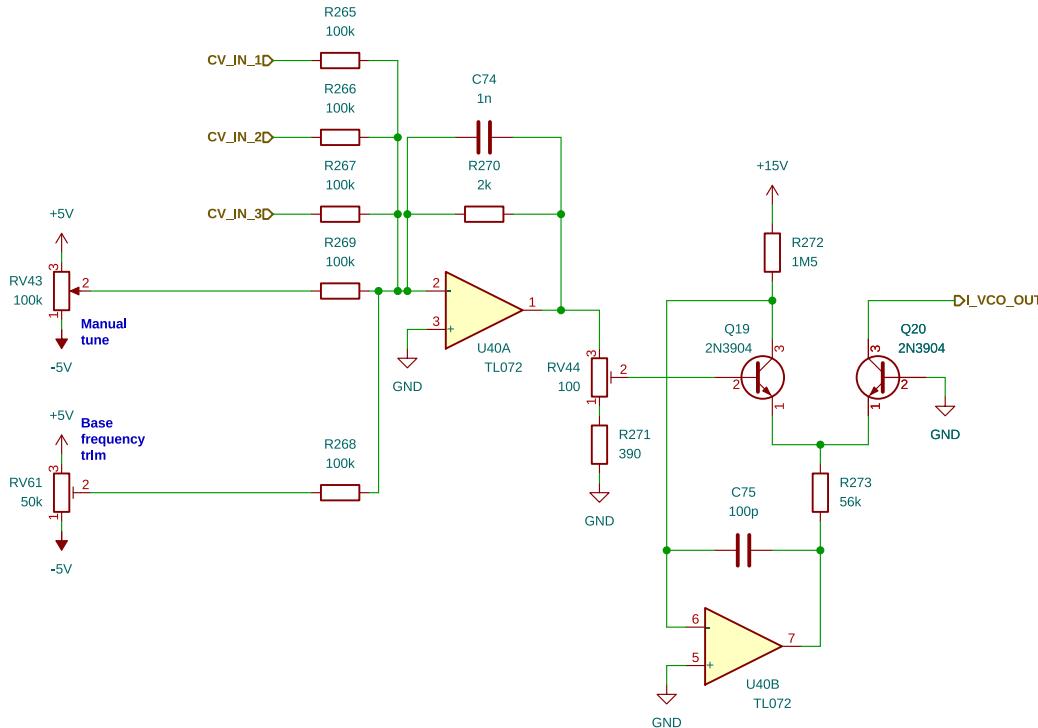
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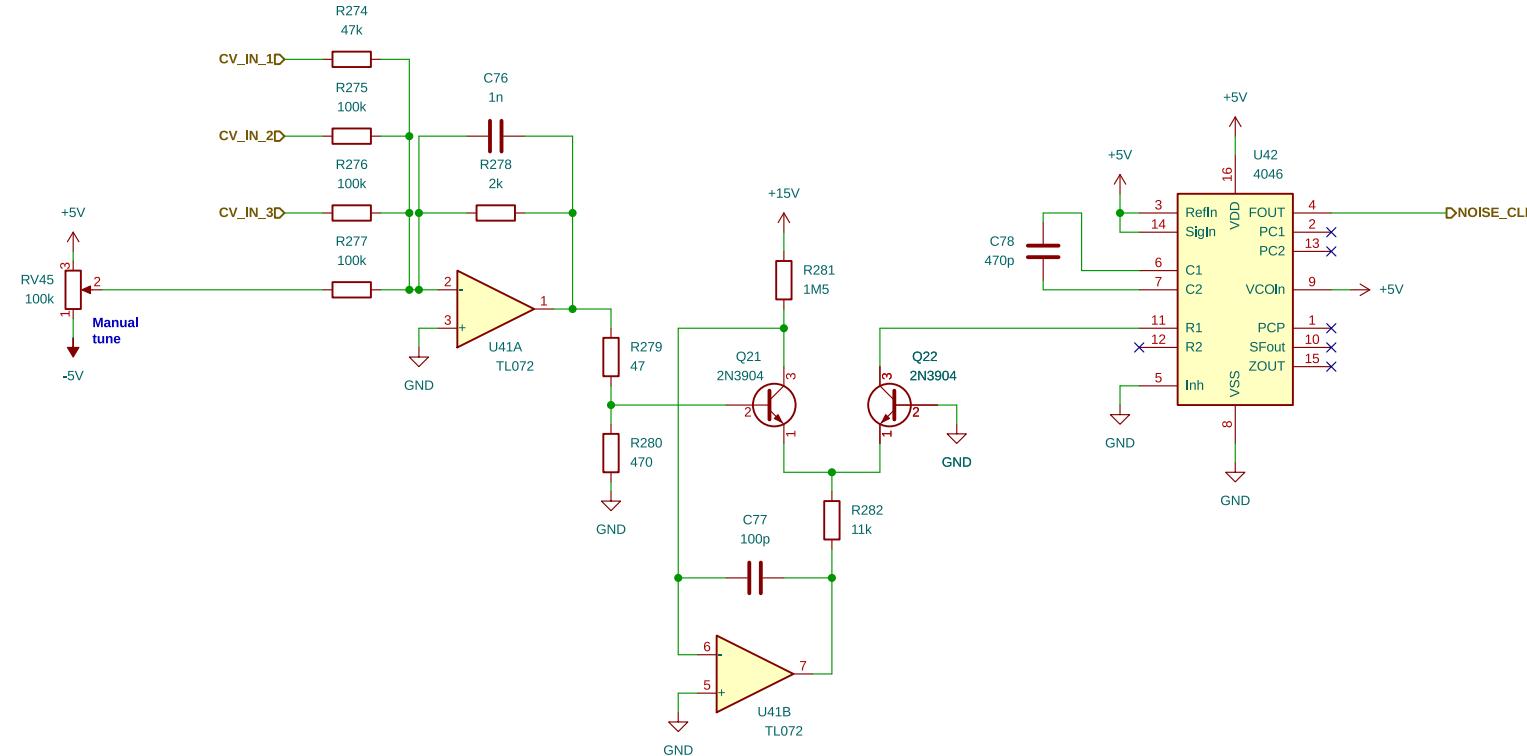
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### Title: J.P. Fundrums

Size: A4	Date: 2023-02-02	Rev: 0
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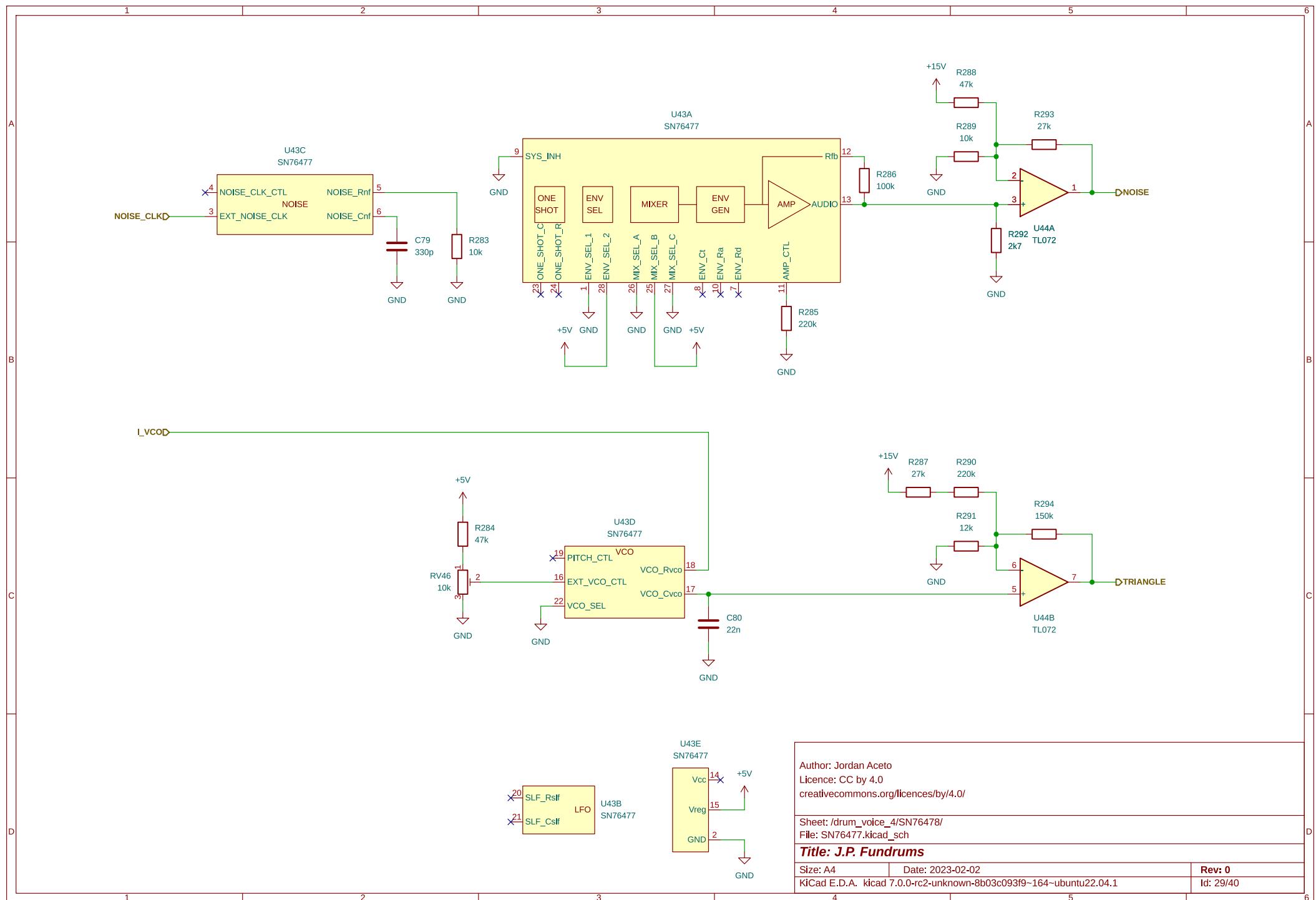


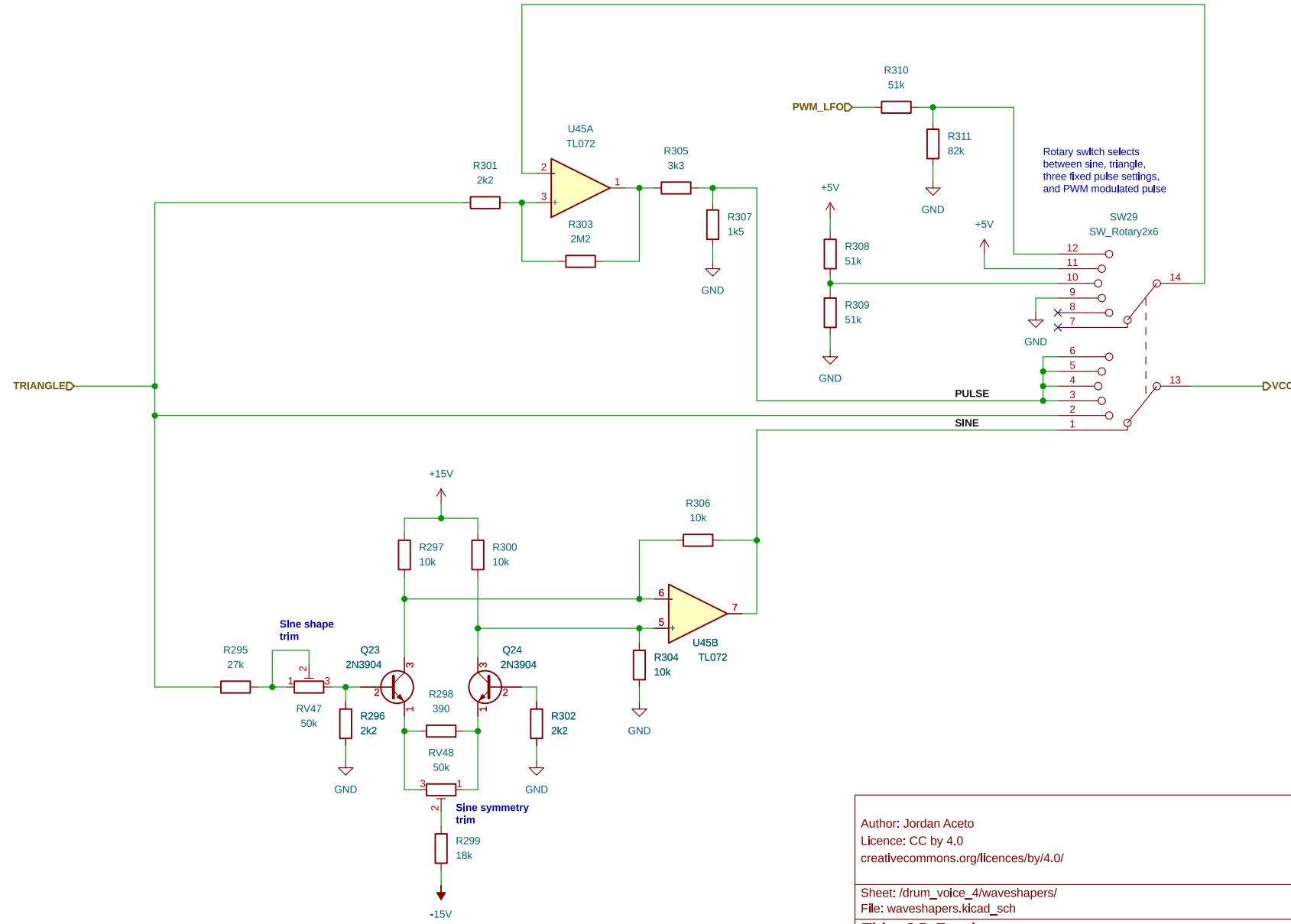
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### Title: J.P. Fundrums

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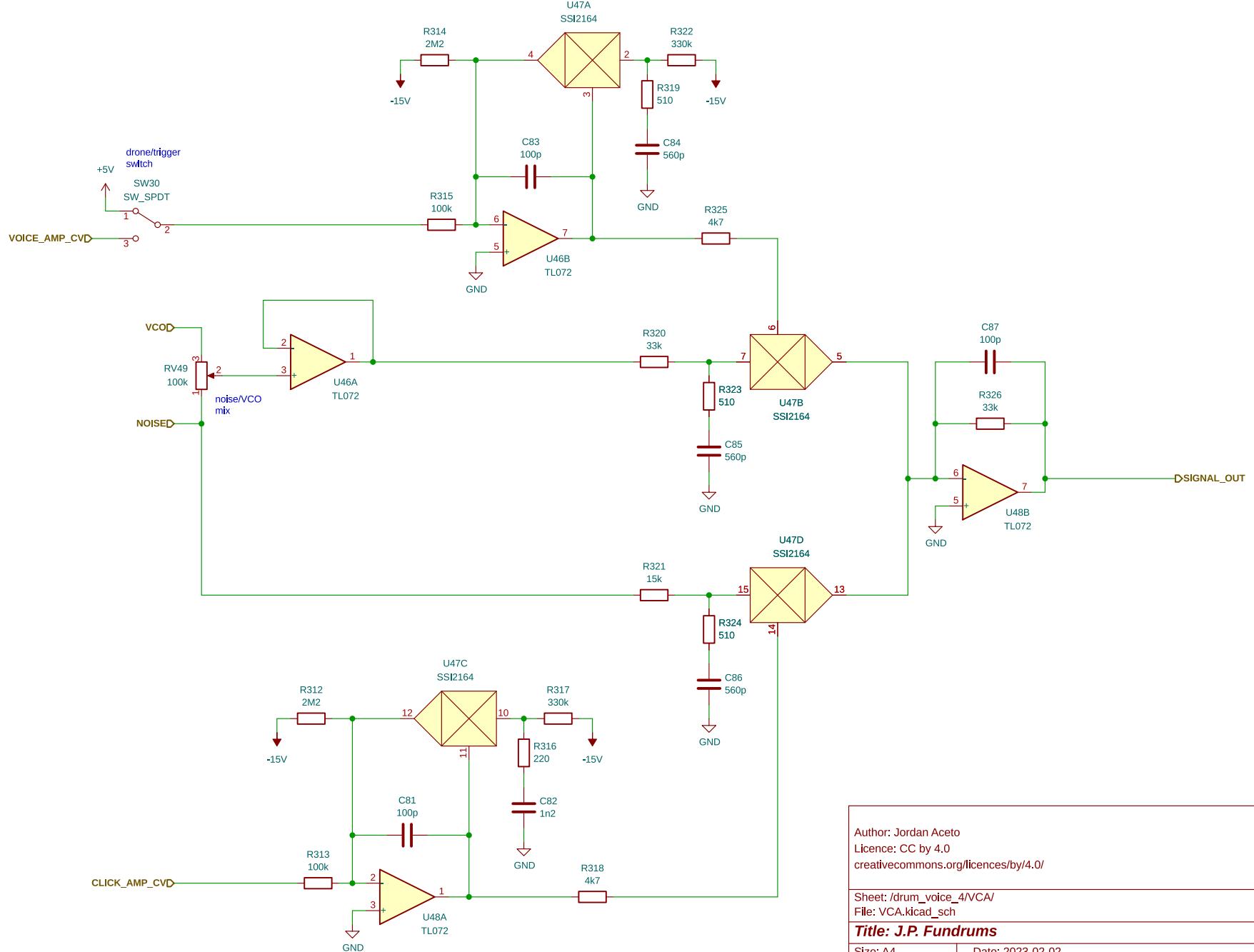


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**Title: J.P. Fundrums**

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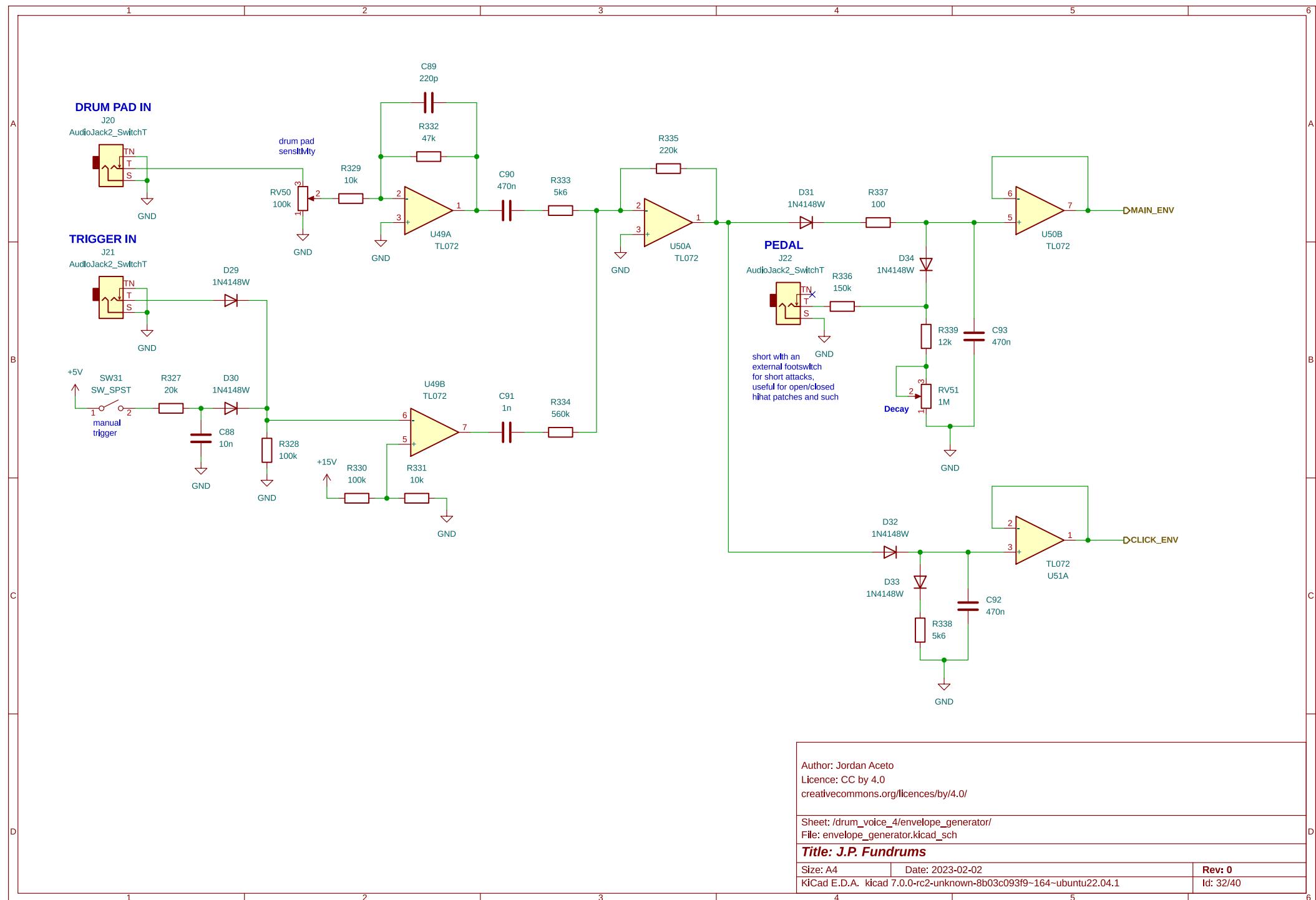
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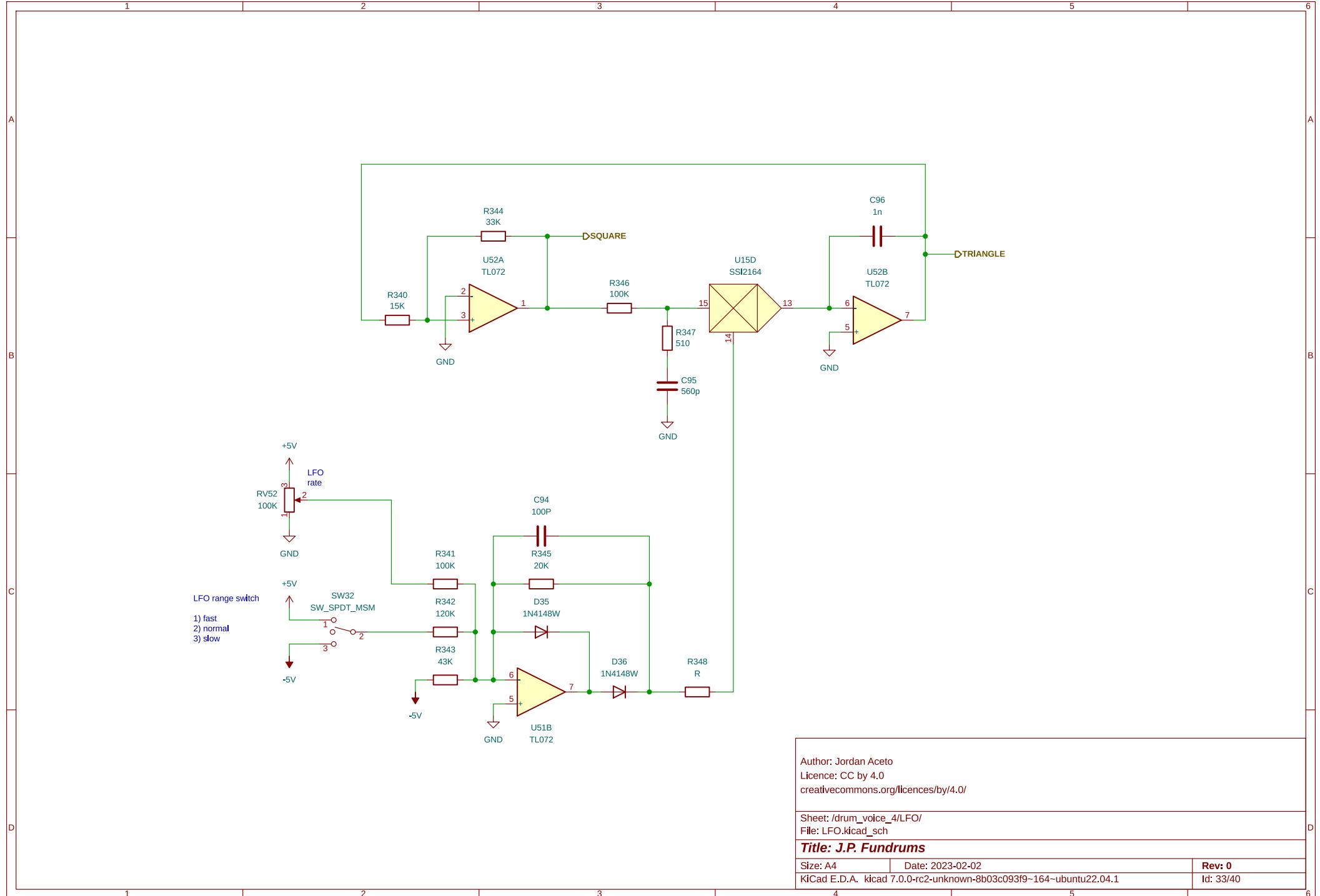
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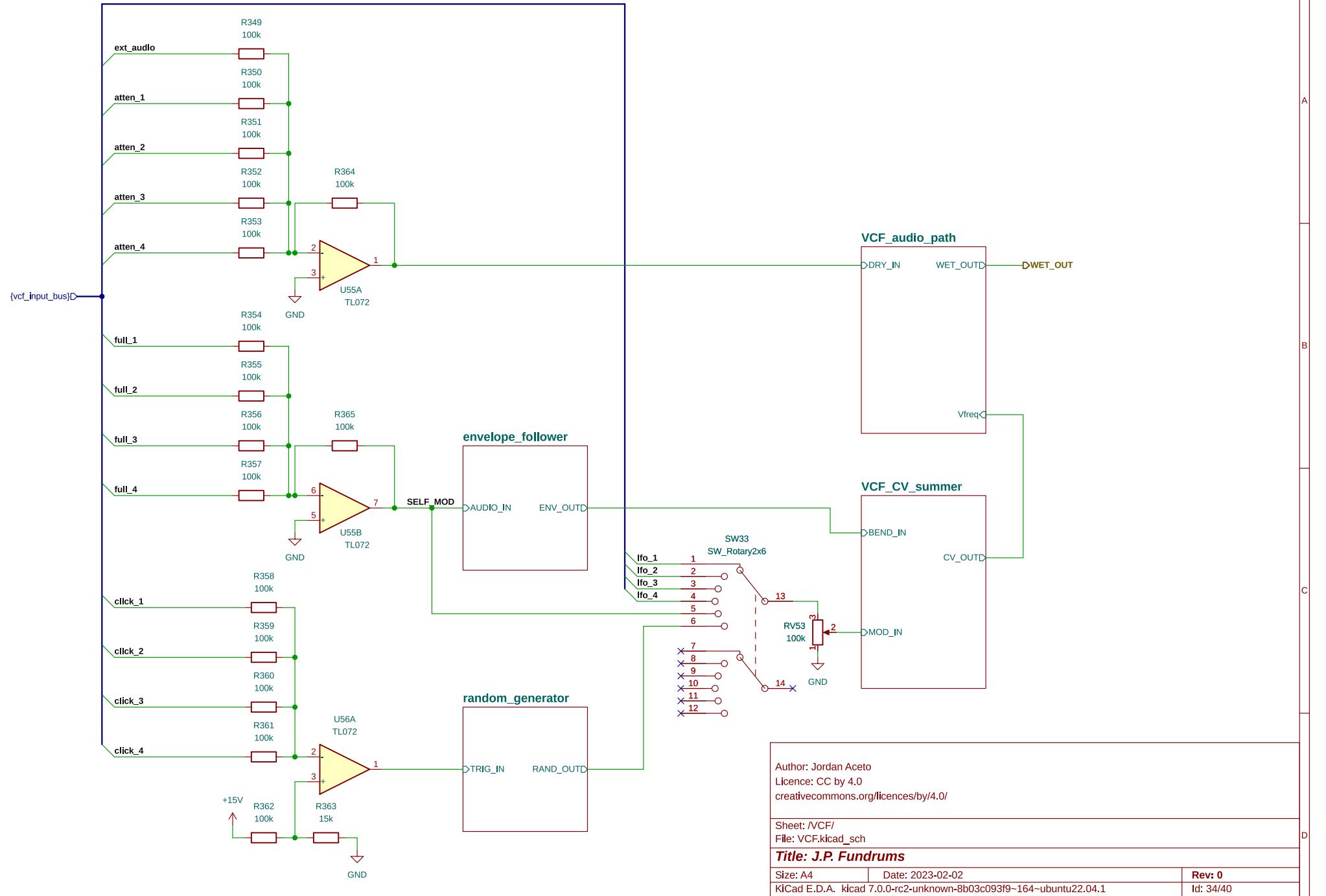
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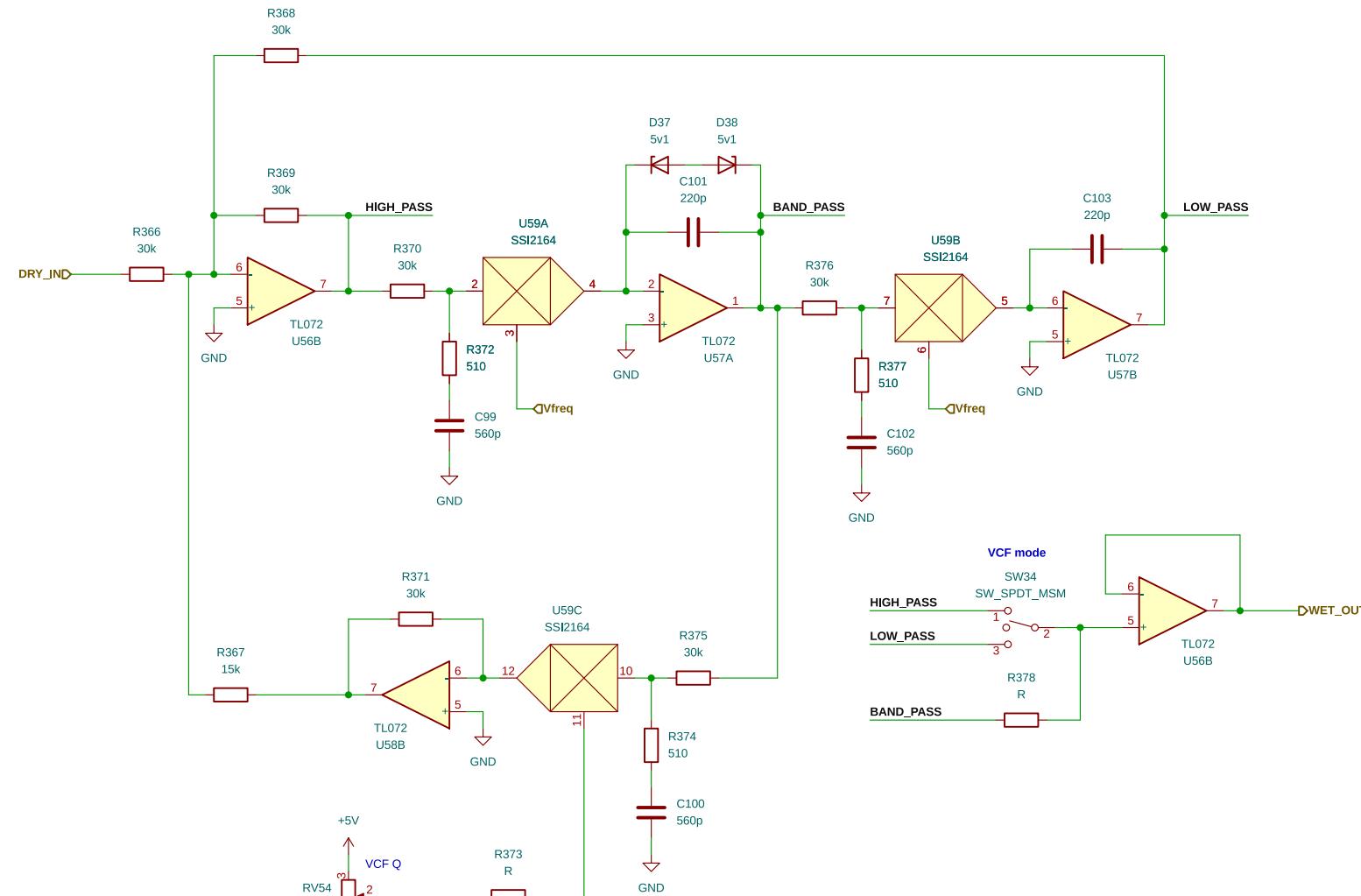
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### Title: J.P. Fundrums

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A

A

B

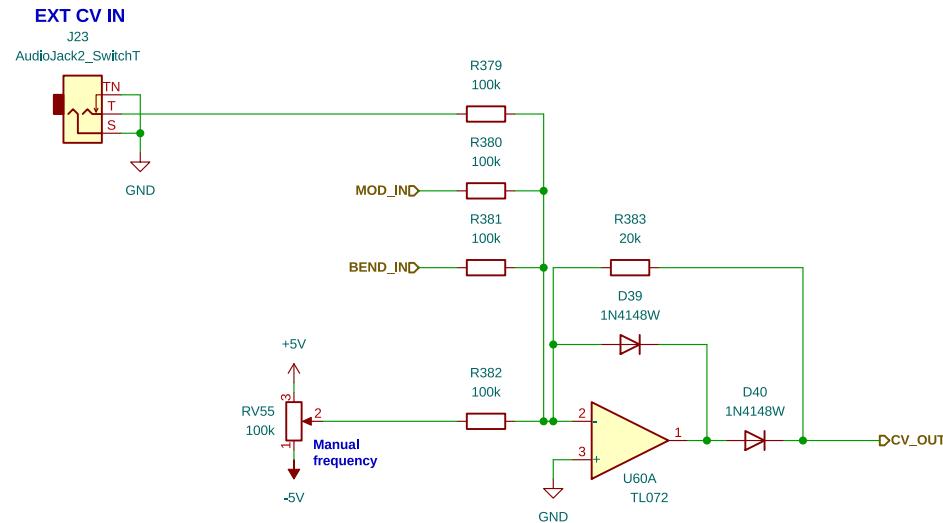
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C

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D

D

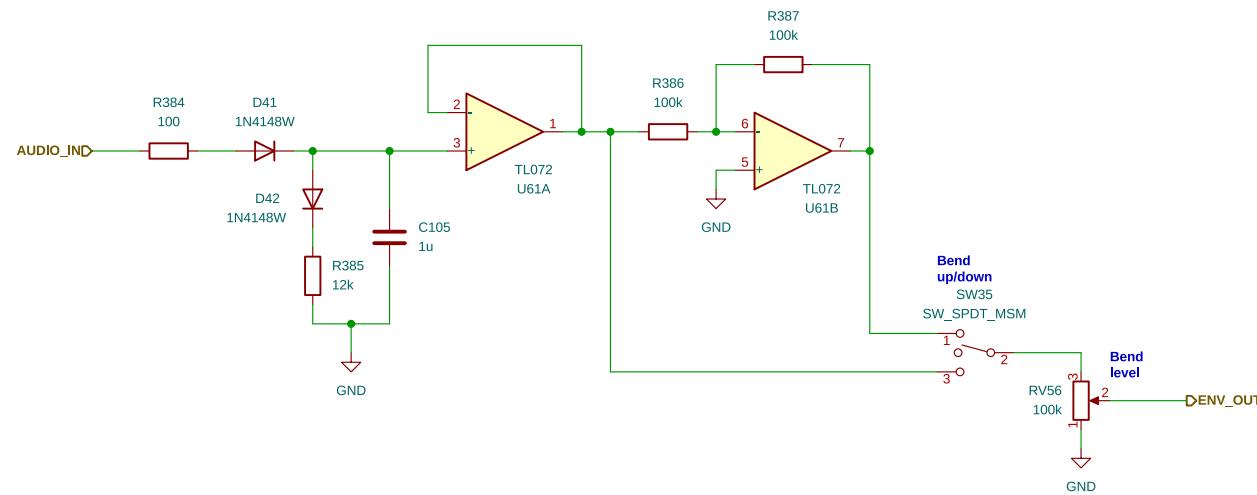


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**Title: J.P. Fundrums**

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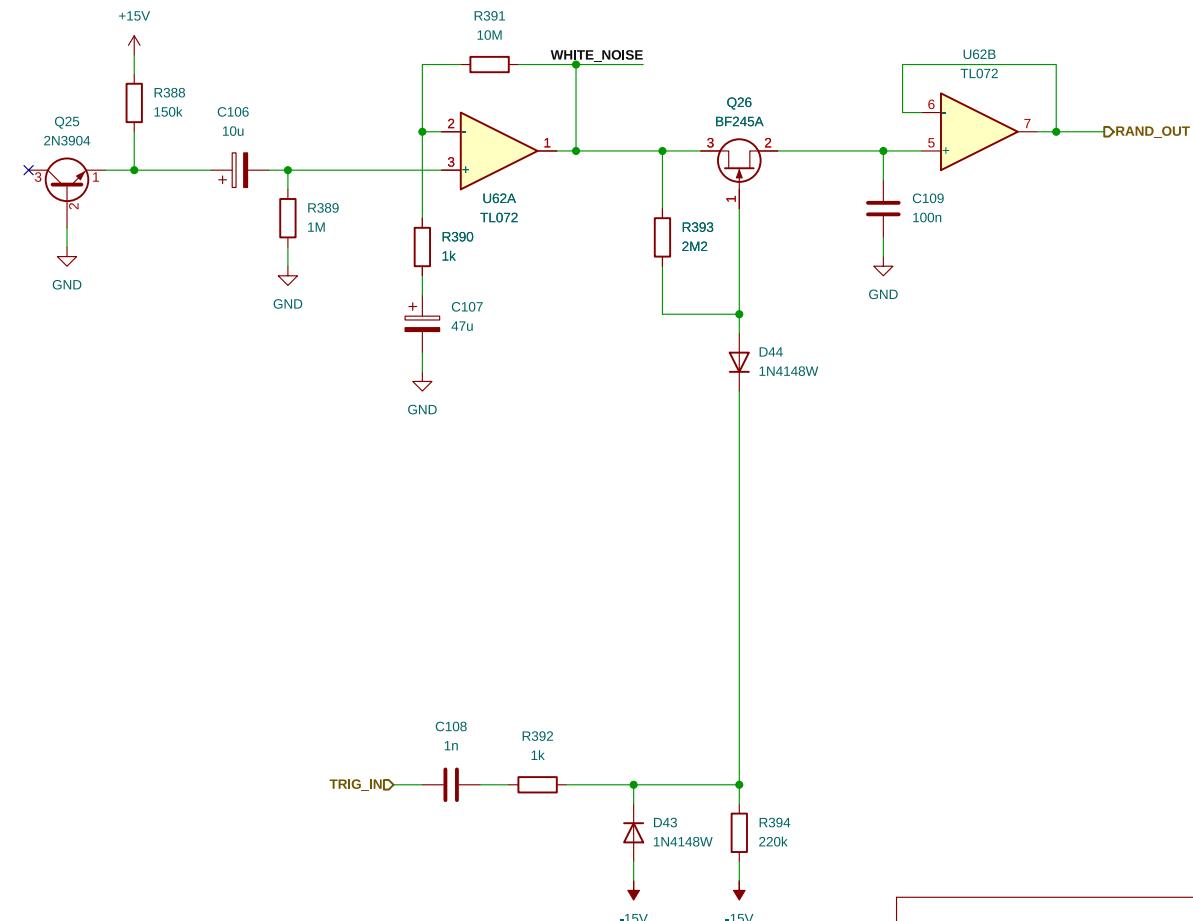


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### Title: J.P. Fundrums

Size: A4	Date: 2023-02-02	Rev: 0
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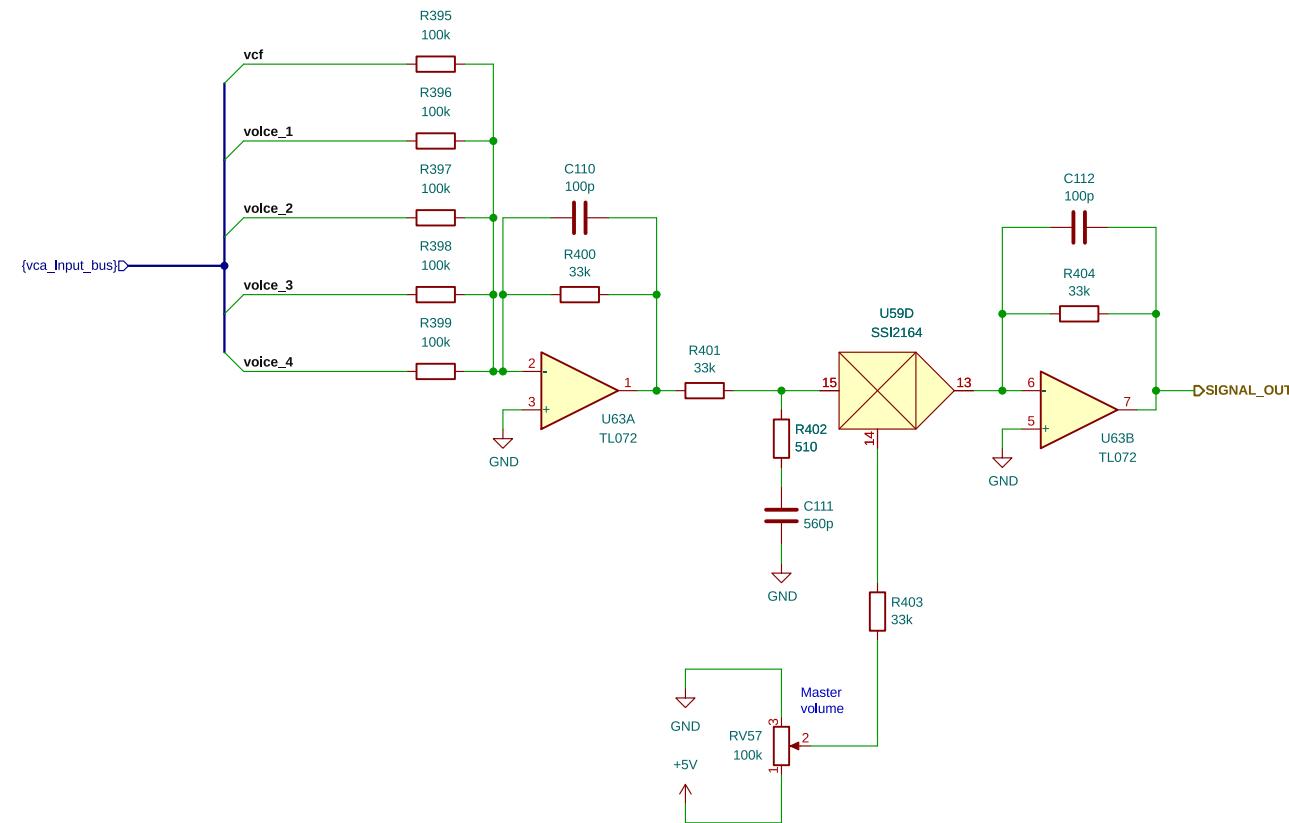
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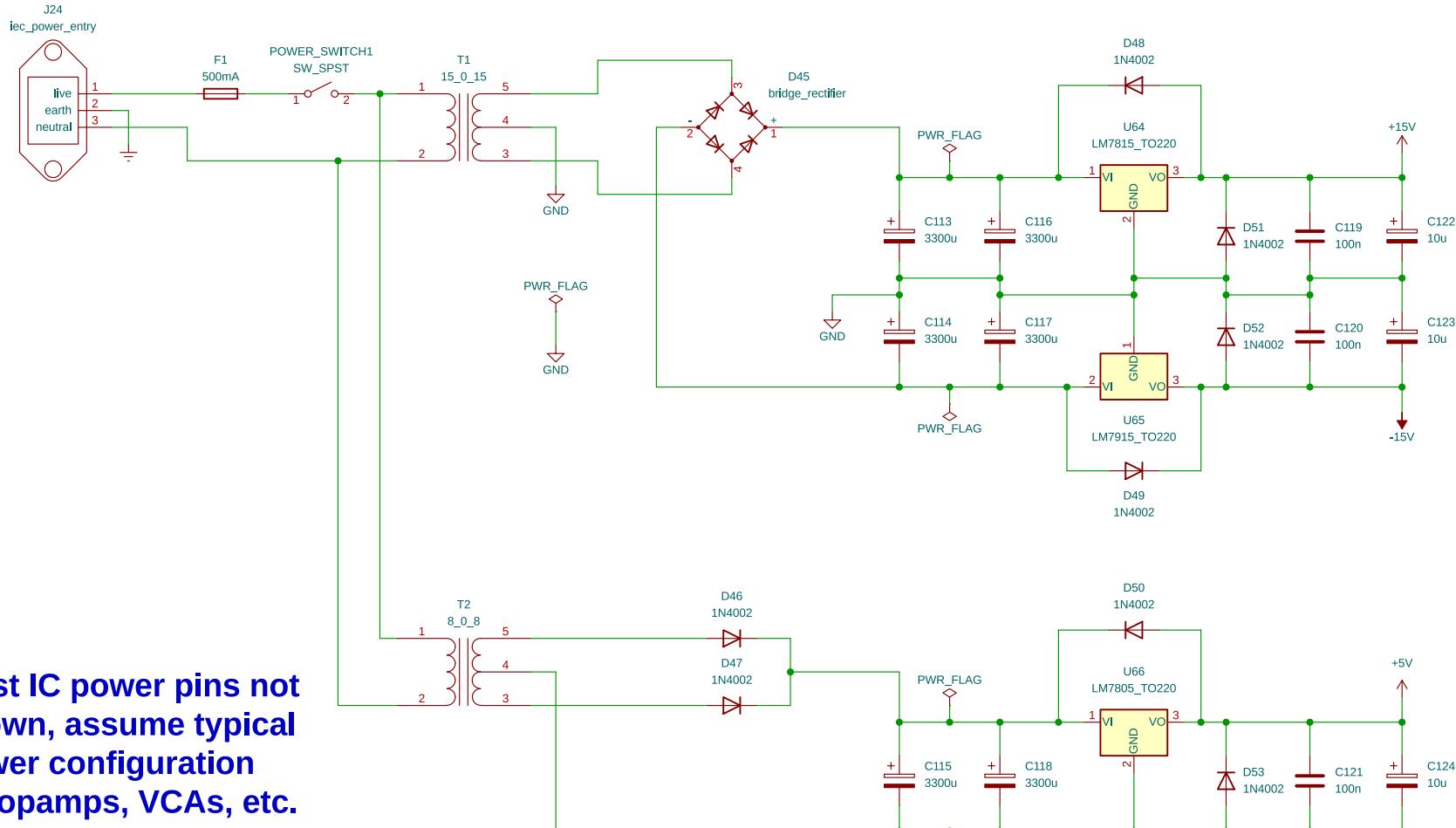


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**Title: J.P. Fundrums**

Size: A4	Date: 2023-02-02	Rev: 0
KiCad E.D.A. kicad 7.0.0-rc2-unknown-8b03c093f9~164~ubuntu22.04.1		Id: 39/40



**Most IC power pins not shown, assume typical power configuration for opamps, VCAs, etc.**

**Local decoupling caps for each IC are not shown. Assume a pair of 100nF ceramic caps for every one or two major opamp/VCA/logic chip.**

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