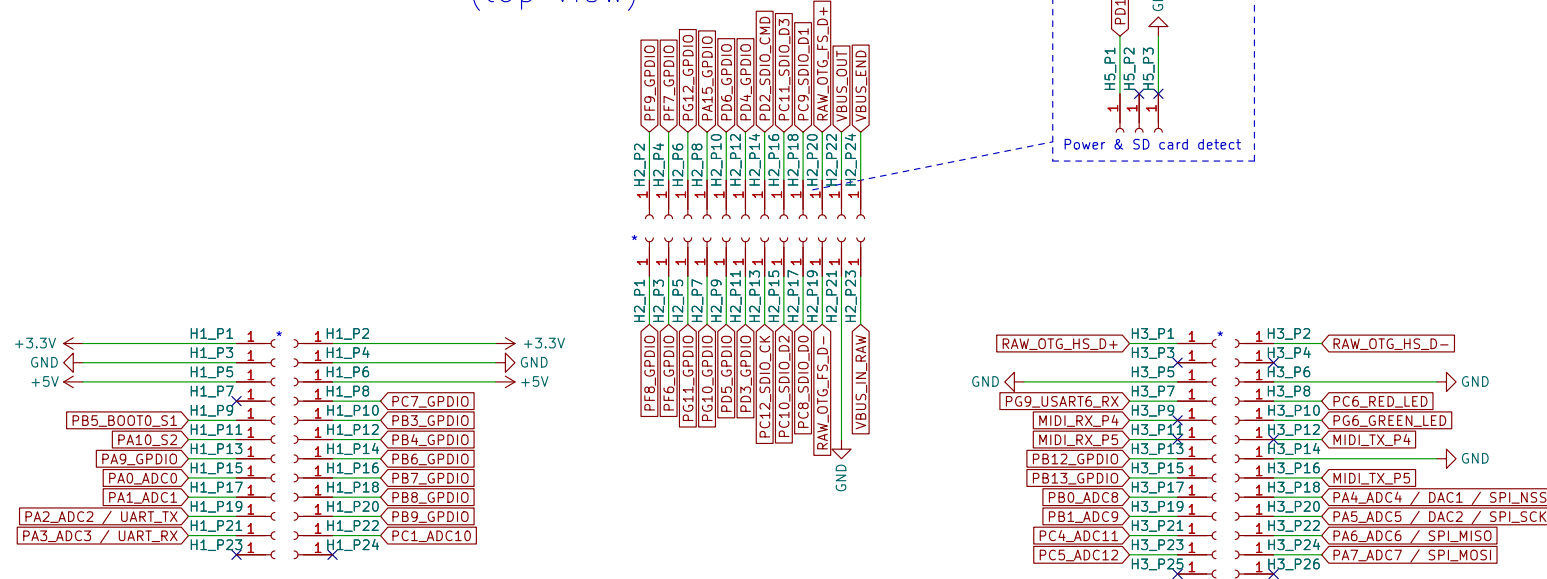


Ksoloti Core v0.4+ headers (top view)



2 audio inputs, 2 audio outputs, Eurorack level

8 pots
4 CV inputs (P1–P4) are summed with pots 1–4
4 independent CV inputs (A–D), non-trimmable (+/–5V)
2 independent CV inputs (X, Y), trimmable V/oct (+/–5V or 0..10V via jumper)

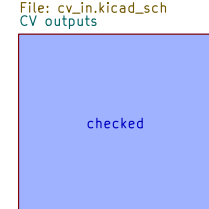
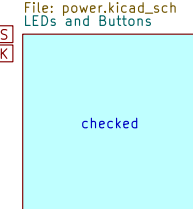
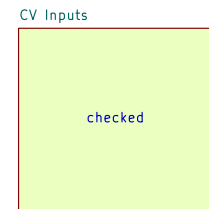
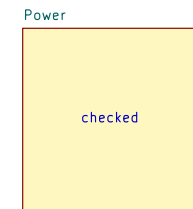
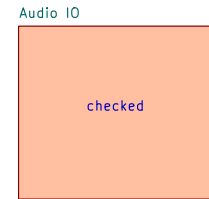
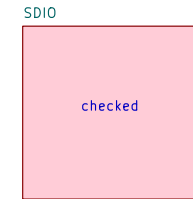
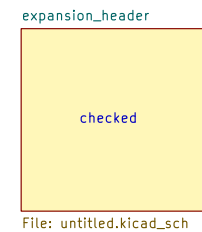
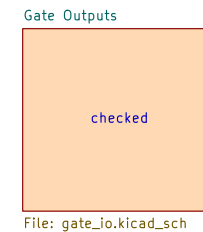
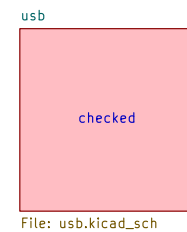
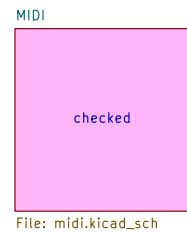
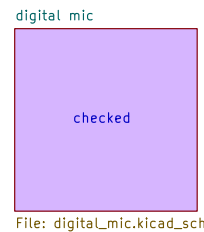
2 buttons (S3, S4)
2 encoders with switch (E1, E2)

4 fadable duo-color LEDs, 2 Axo status LEDs

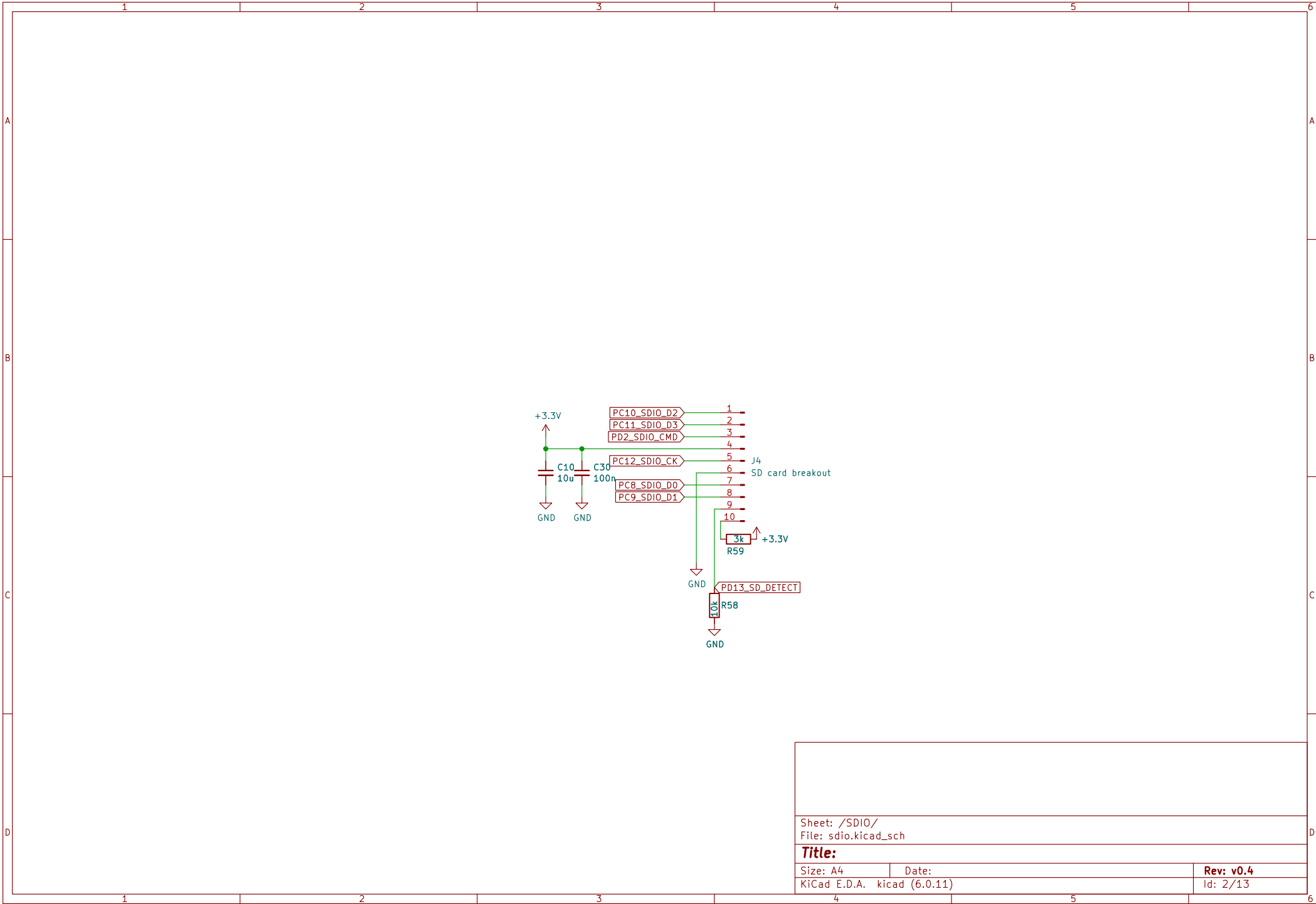
2 gate outputs, ca. 10.3V
2 CV outputs, trimmable V/oct (+/–5V or 0..10V via jumper)

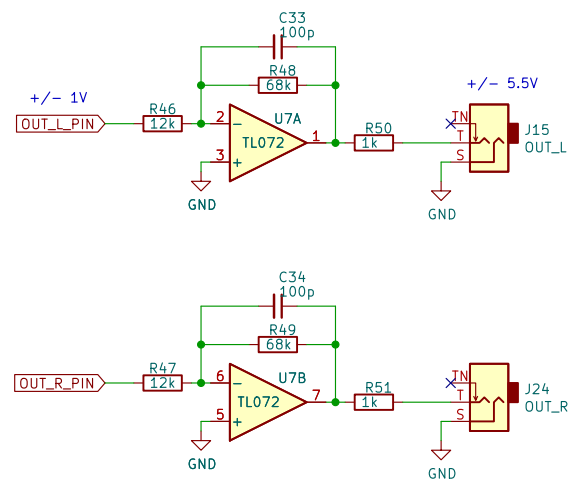
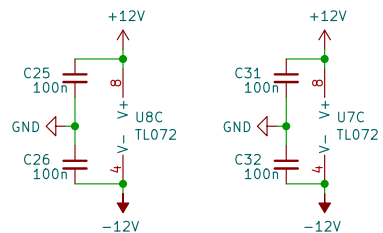
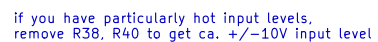
1 OLED display, 128x64px

FID1 Fiducial FID2 Fiducial FID3 Fiducial

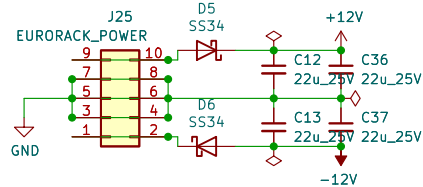


CHANGELOG		
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Size: A4	Date: 2024-02-06	Rev: v0.4
KiCad E.D.A. kicad (6.0.11)	Id: 1/13	

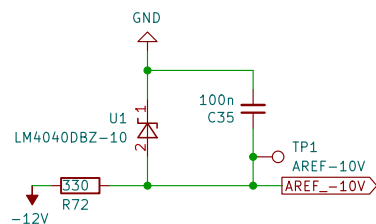
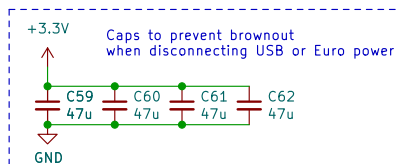
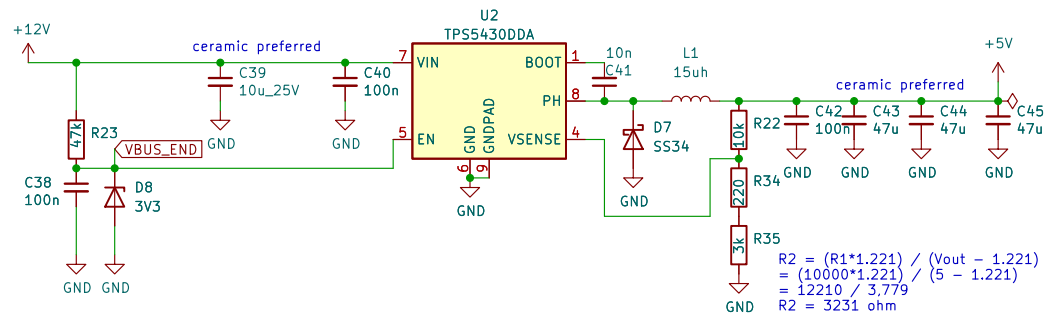




Rev: v0.4
Id: 3/13



DC to 5V



+3.3V

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File: power.kicad_sch

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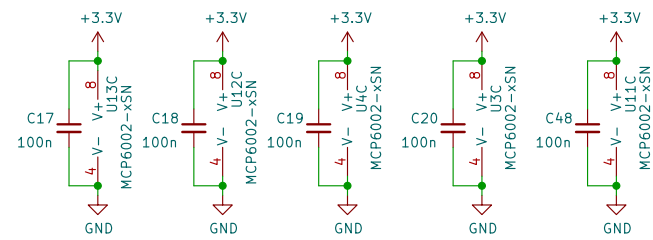
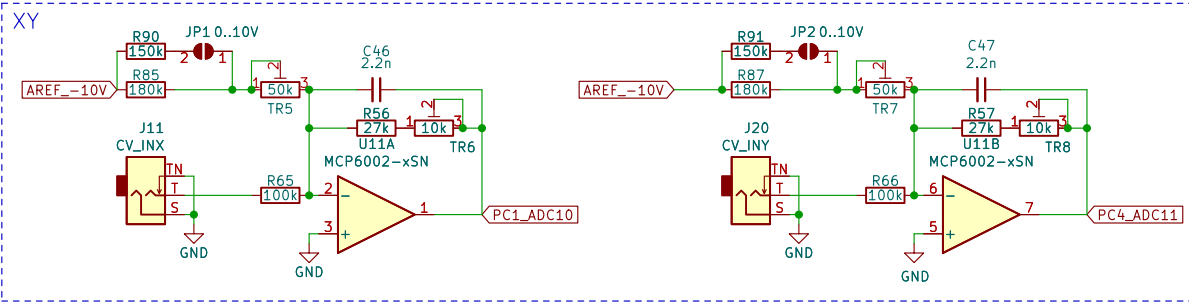
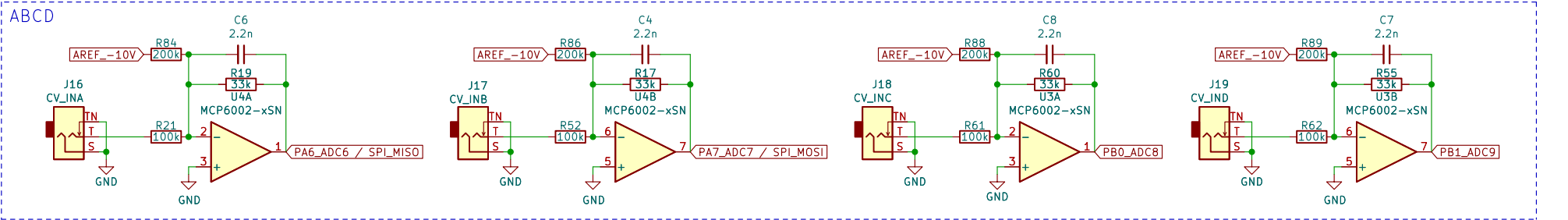
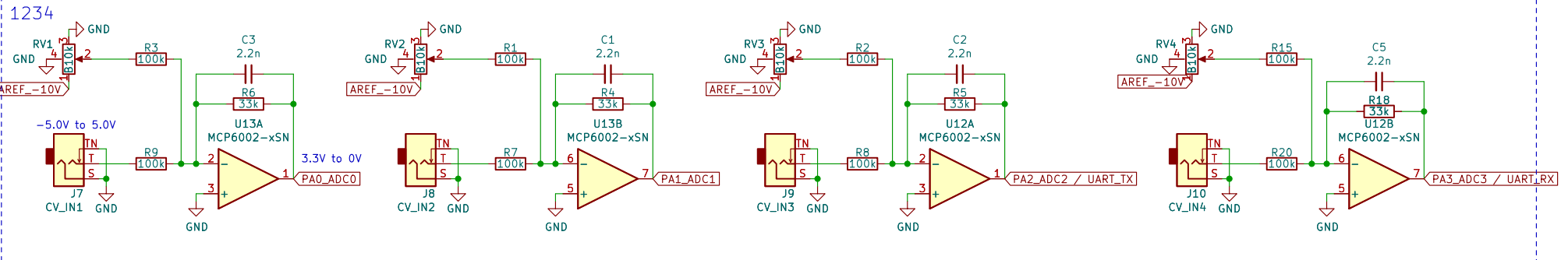
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Date:

Rev: v0.4

Id: 4/13

Pots / CV inputs



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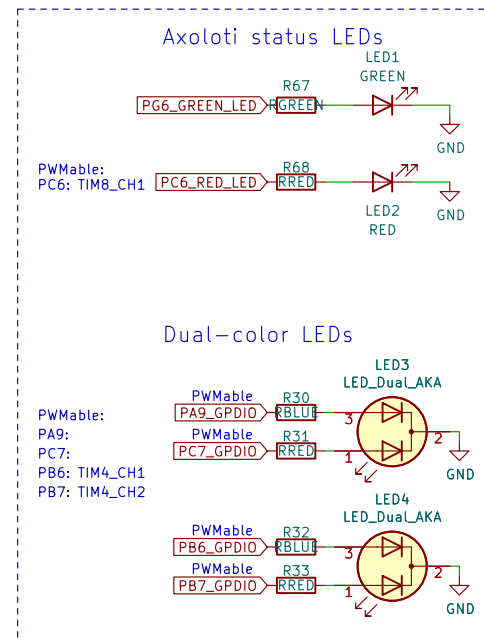
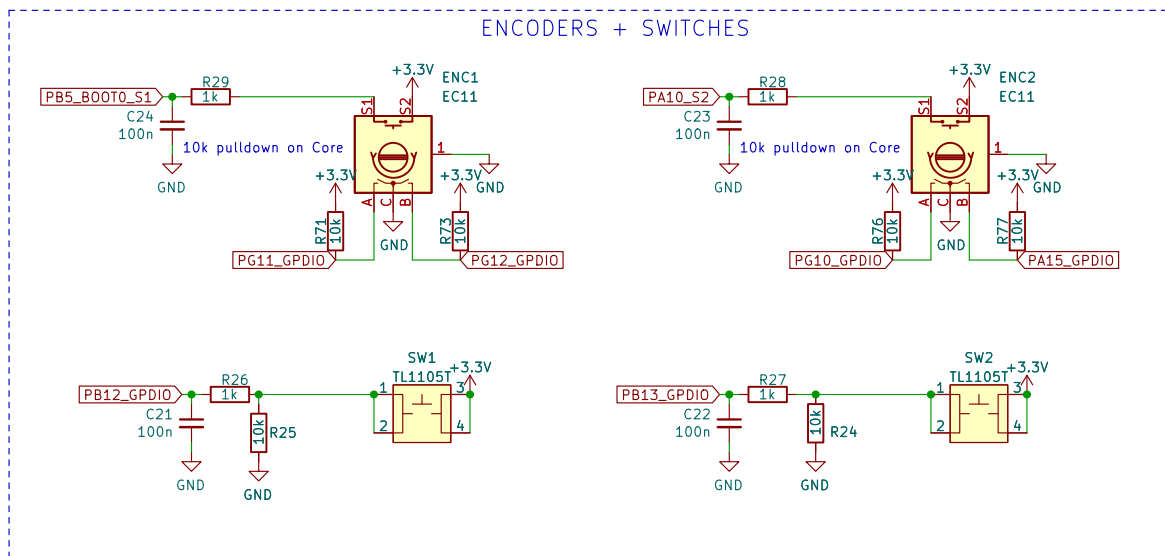
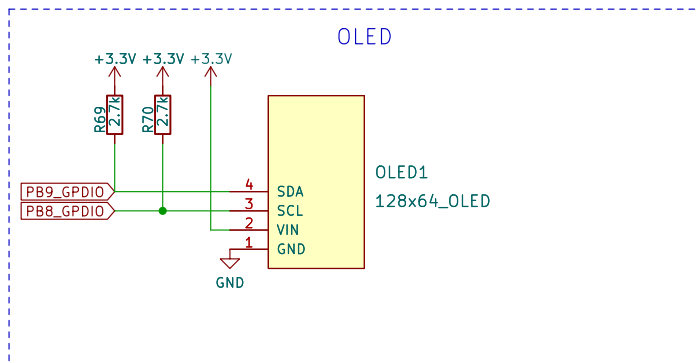
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KiCad E.D.A. kicad (6.0.11)

Rev: v0.4

Id: 5/13



Sheet: /LEDs and Buttons/
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Size: A4

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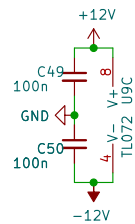
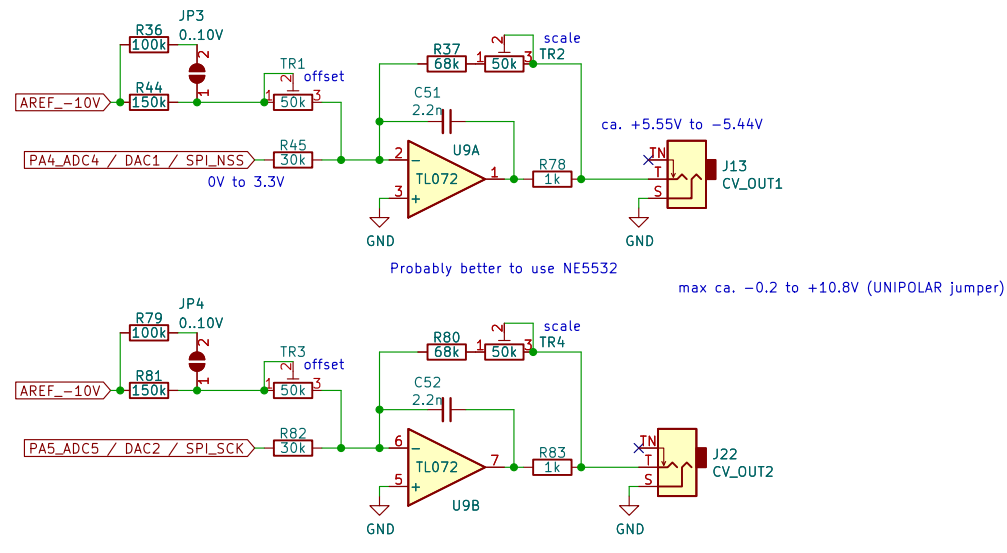
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Rev: v0.4

Id: 6/13

CV outputs

SIGNAL SCALE/OFFSET



Sheet: /CV outputs/
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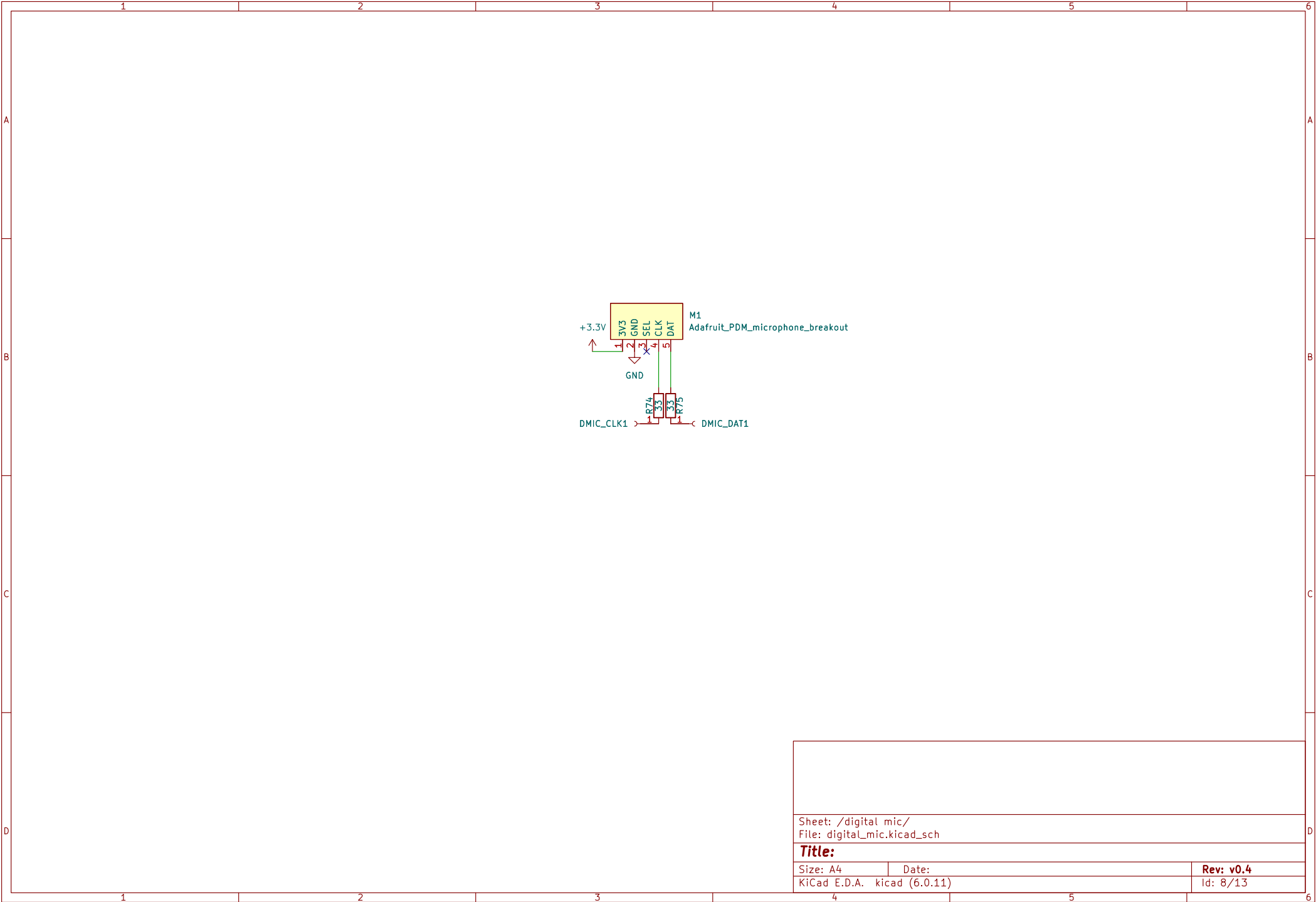
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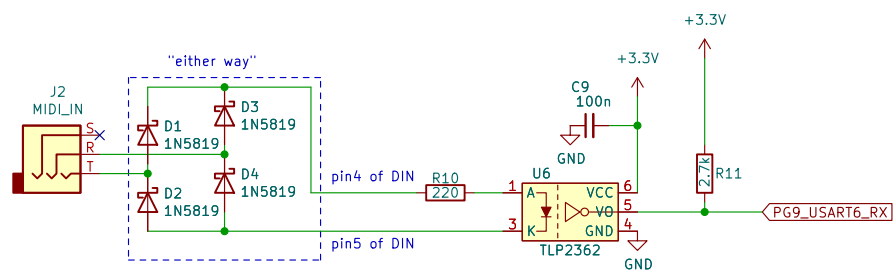
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Rev: v0.4

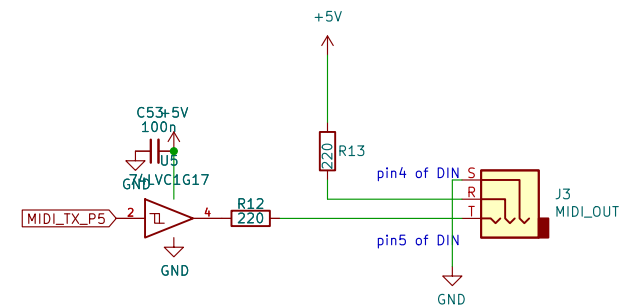
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KiCad E.D.A. kicad (6.0.11)		Id: 8/13



conforming to TRS MIDI specs
<https://www.midi.org/midi-articles/trs-specification-adopted-and-released>



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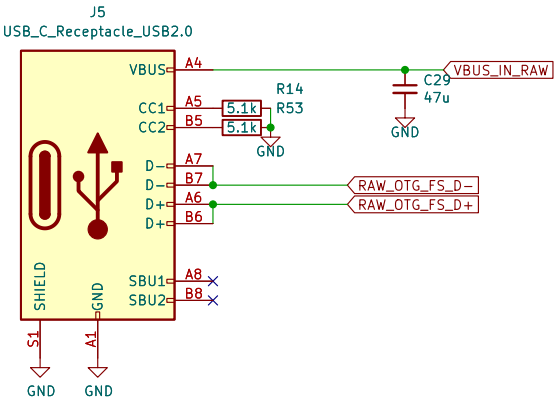
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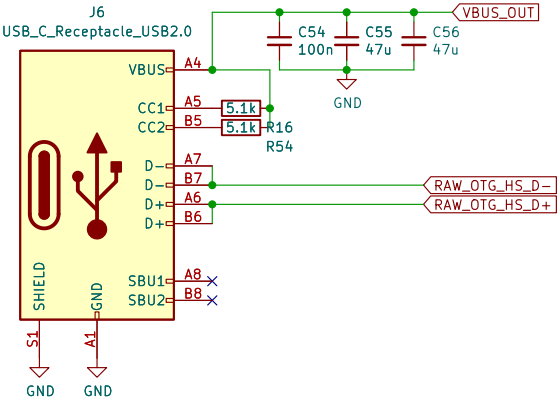
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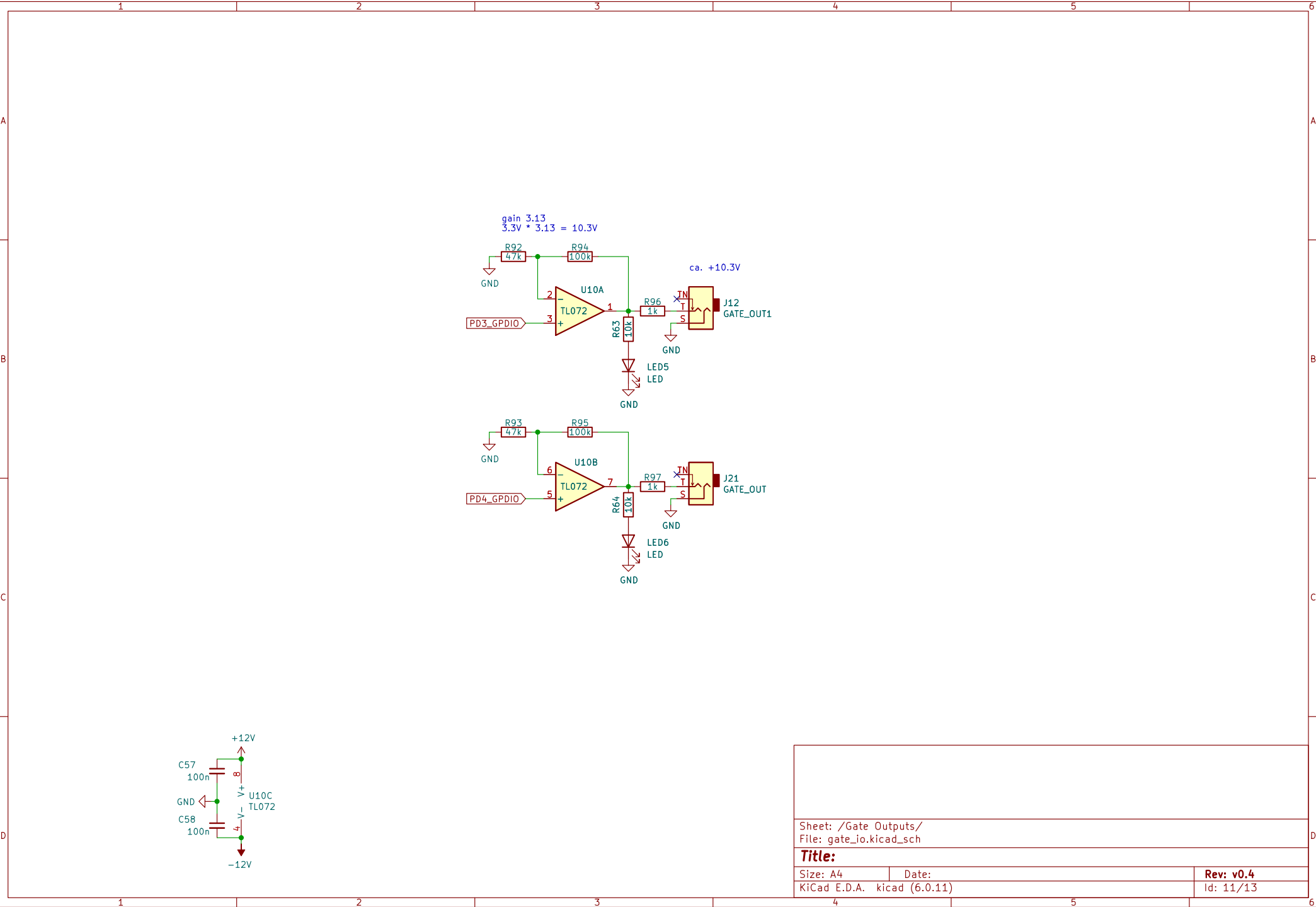
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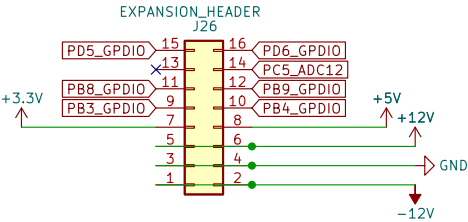
USB PROGRAMMER



USB HOST







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	1	2	3	4	5	6
A	<div>Changelog</div> <div>v0.3 done – prototype ordered 2024–02–07</div> <div>v0.4 done – prototype ordered 2024–03–06</div> <div>!! – swap pins PD5 and PD6 on expansion header (consistency)</div> <div>– rework USB connector and SD card connector footprints, panel holes</div> <div>– Use pseudo–SMD pin socket for J1 line in/out to Core</div> <div>– Use LM4040–10 instead of CJ431 for stabler VREF</div> <div>– Add extra caps on 3.3V rail</div> <div>– Use “thin” OLED footprint (slightly different dimensions)</div> <div>– Adjust Thonkiconn stereo jacks footprint size, position</div> <div>– Fix encoder pins not connecting to any MCU pin</div>					A
B						B
C						C
D						D
	1	2	3	4	5	6

Sheet: /changelog/ File: changelog.kicad_sch		
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Size: A4	Date:	Rev: v0.4
KiCad E.D.A. kicad (6.0.11)		Id: 13/13