



re-layout attempting to use SMD and all in one PCB

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File: bells-venn.sch

Title: Hexinverter Postman

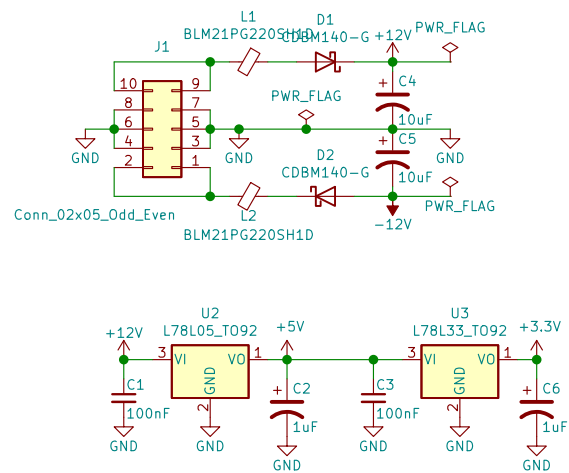
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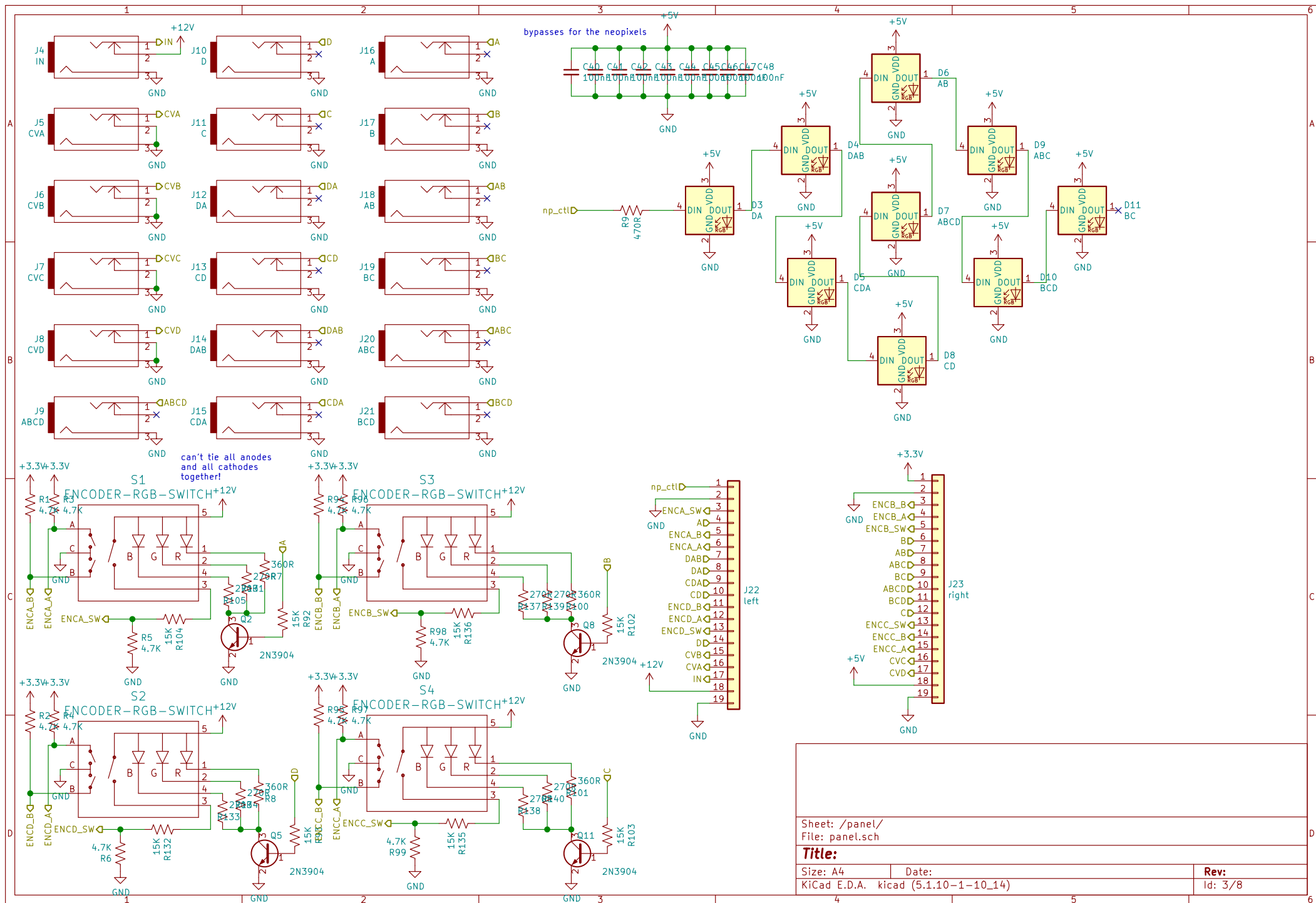
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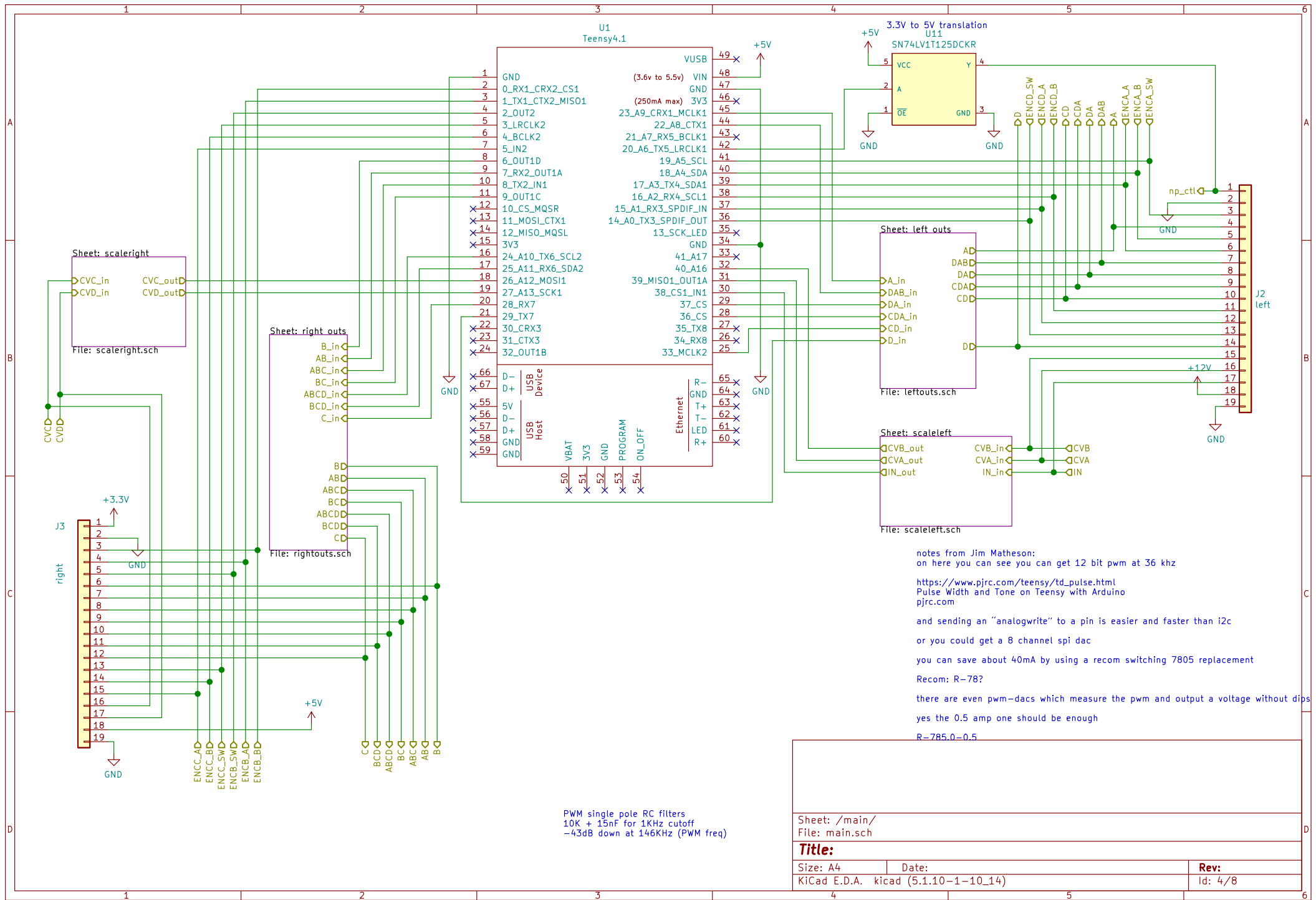
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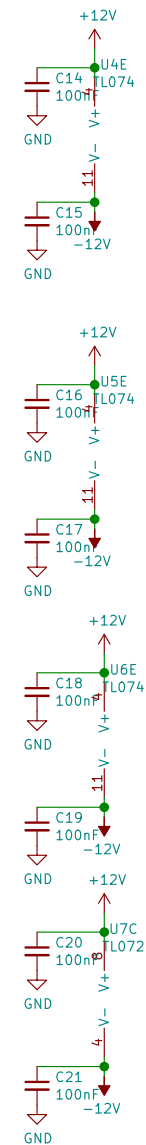
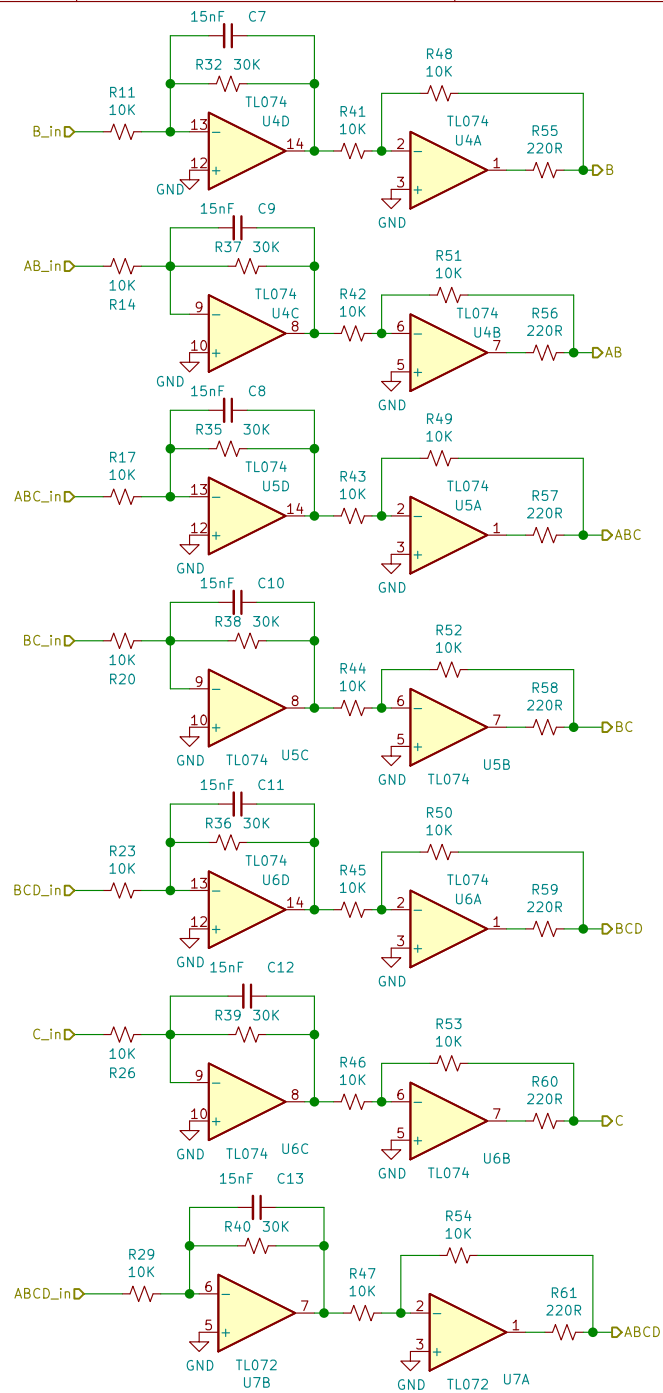




PWM single pole RC filters
10K + 15nF for 1KHz cutoff
-43dB down at 146KHz (PWM freq)

notes from Jim Matheson:
on here you can see you can get 12 bit pwm at 36 khz
https://www.pjrc.com/teensy/td_pulse.html
Pulse Width and Tone on Teensy with Arduino
pjrc.com
and sending an "analogwrite" to a pin is easier and faster than i2c
or you could get a 8 channel spi dac
you can save about 40mA by using a recom switching 7805 replacement
Recom: R-78?
there are even pwm-dacs which measure the pwm and output a voltage without dips
yes the 0.5 amp one should be enough
R-785.0-0.5

Sheet: /main/ File: main.sch	
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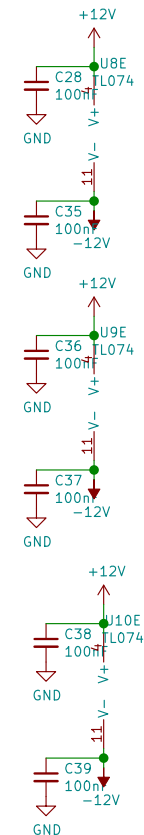
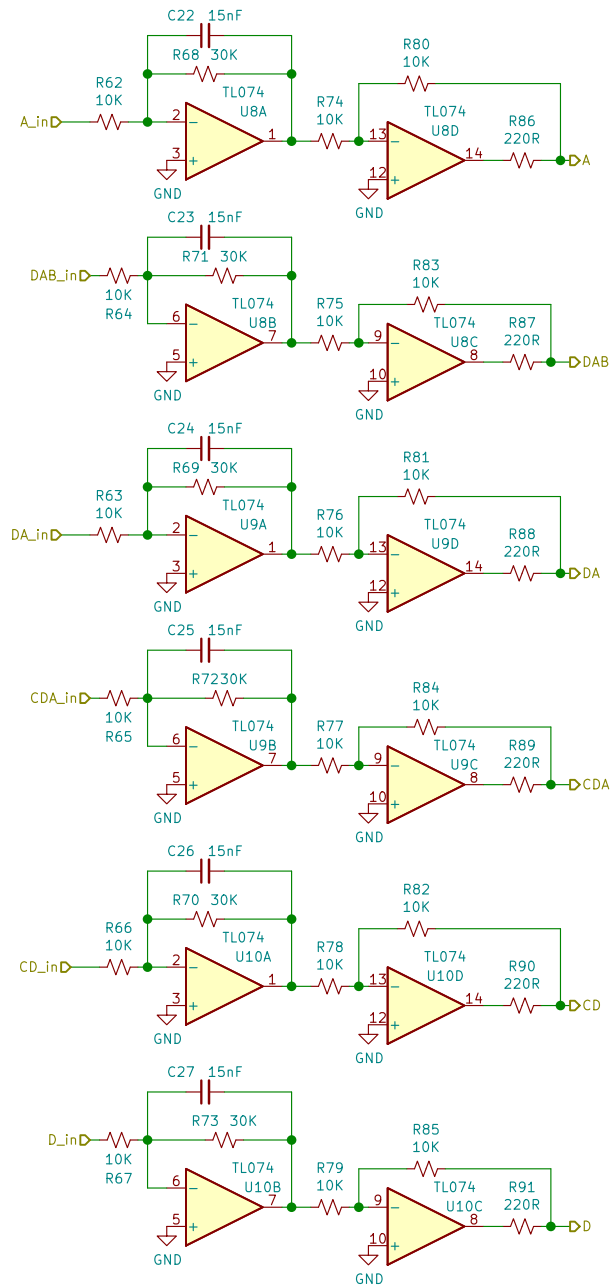


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Sheet: /main/left outs/
File: leftouts.sch

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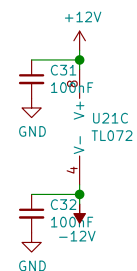
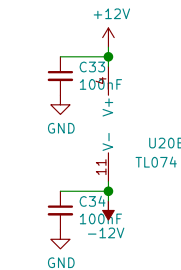
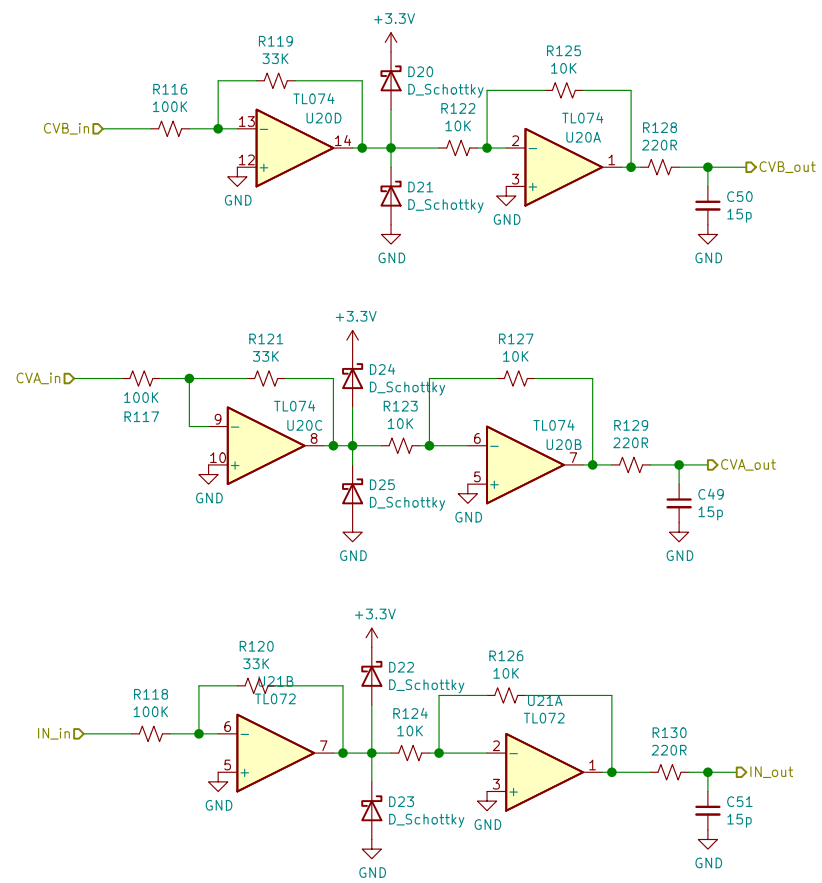
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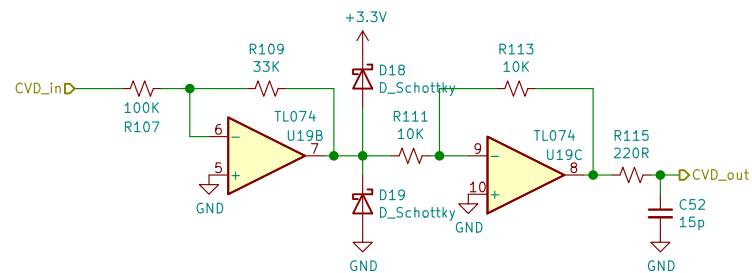
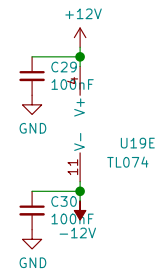
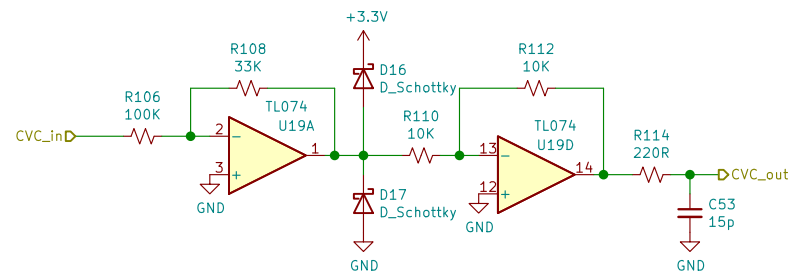
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