

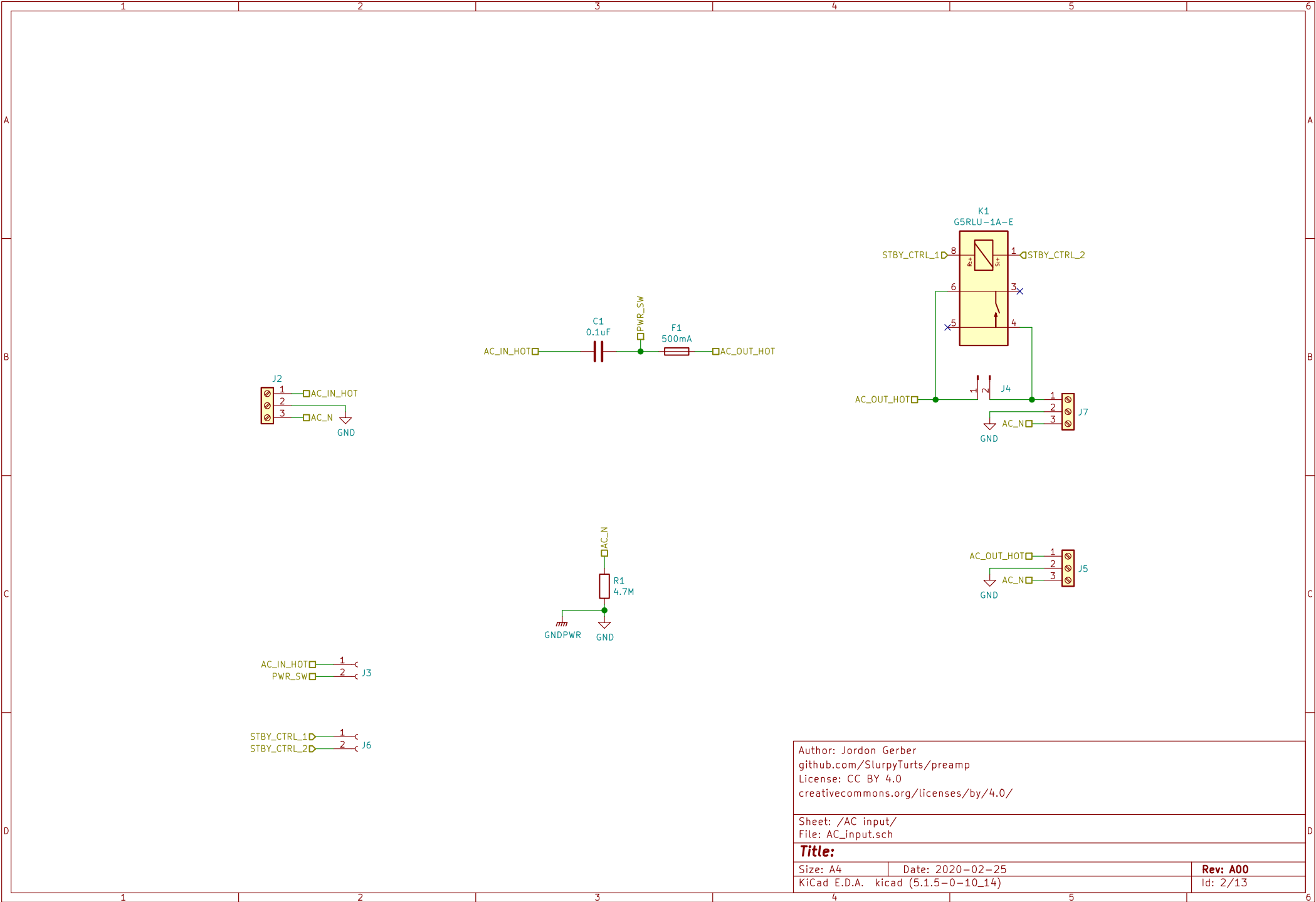
Author: Jordan Gerber
github.com/SlurpyTurts/preamp
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Sheet: /
 File: preamp.sch

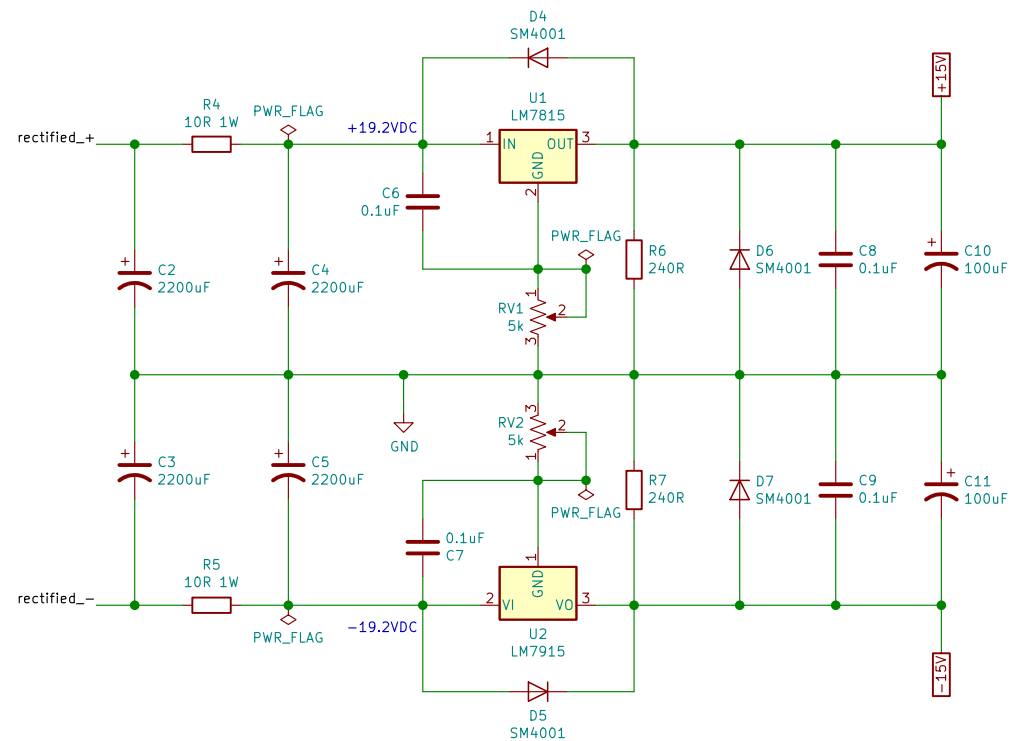
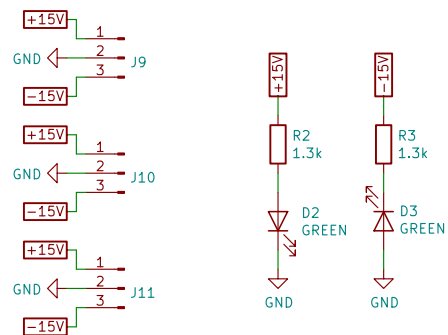
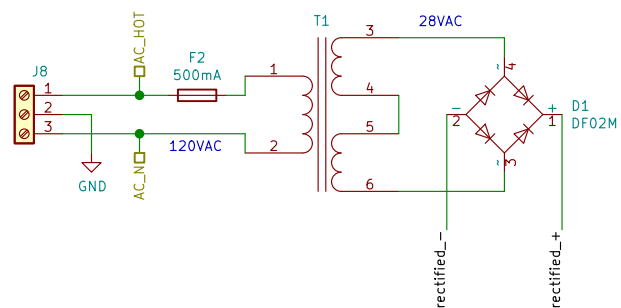
Title: Preamp

Size: A4 Date: 2020-02-25
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Rev: A00
 Id: 1/13



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Sheet: /AC input/ File: AC_input.sch		
Title:		
Size: A4	Date: 2020-02-25	Rev: A00
KiCad E.D.A. kicad (5.1.5-0-10_14)		Id: 2/13



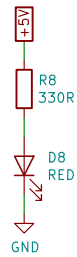
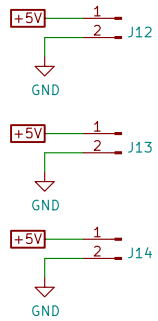
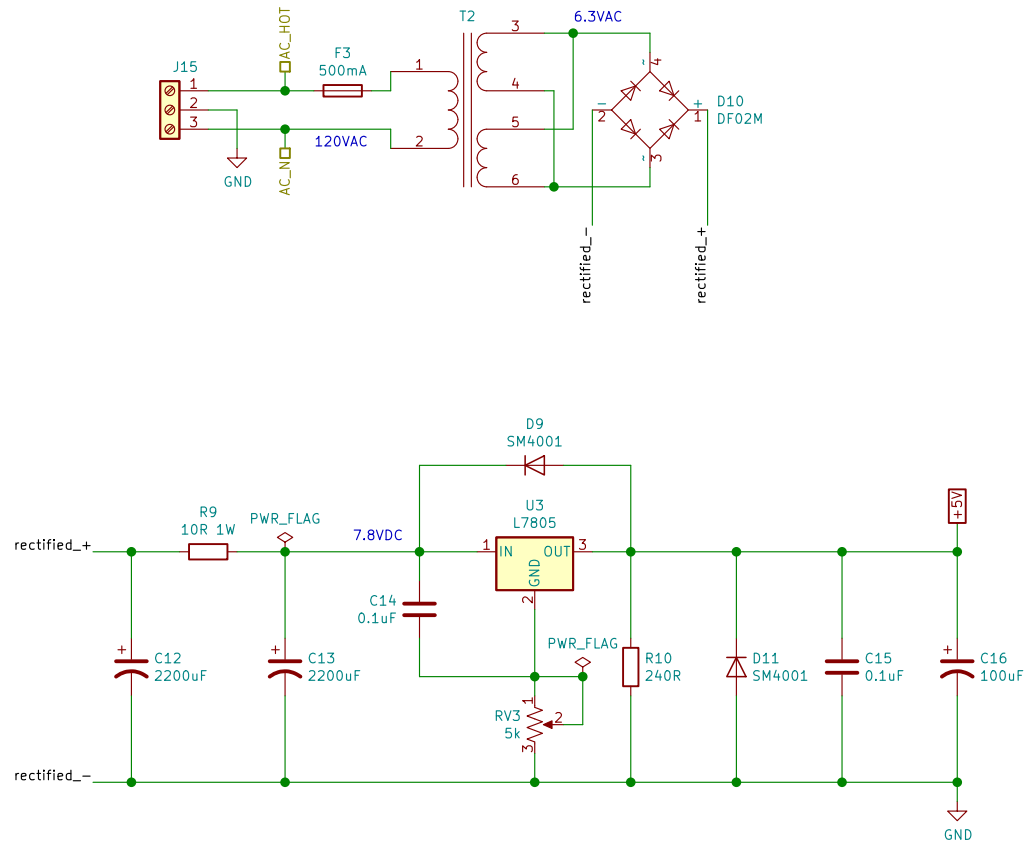
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Sheet: /+ -15V PWR SUPPLY/
 File: +-15V_PWR_SUPPLY.sch

Title: 15V Power Supply

Size: A4 Date: 2020-02-25
 KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: A00
 Id: 3/13



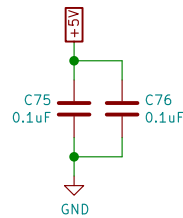
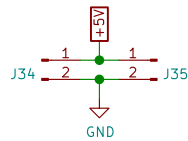
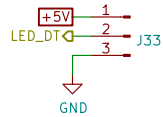
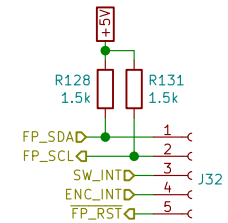
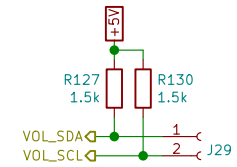
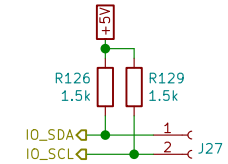
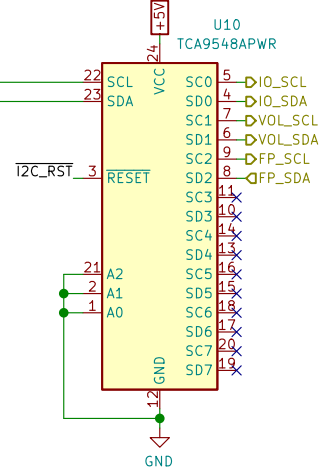
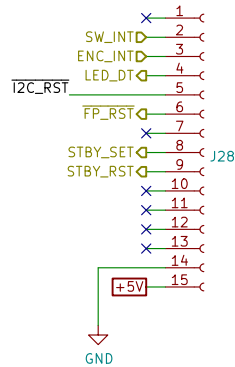
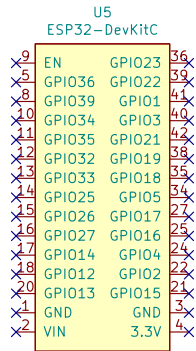
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Sheet: /5V supply/
 File: 5V_supply.sch

Title: 5V Power Supply

Size: A4 Date: 2020-02-25
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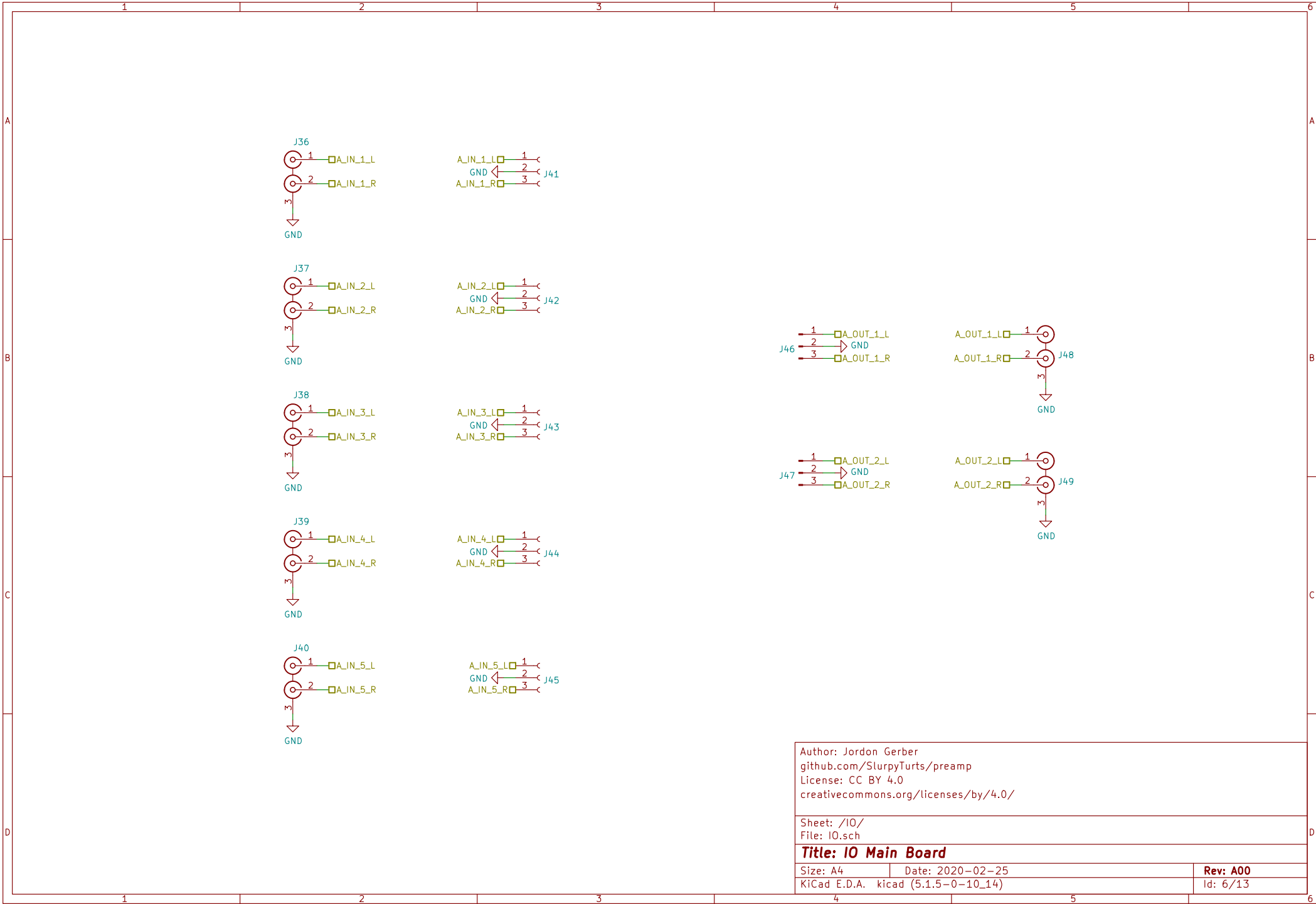
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Sheet: /MCU/
File: MCU.sch

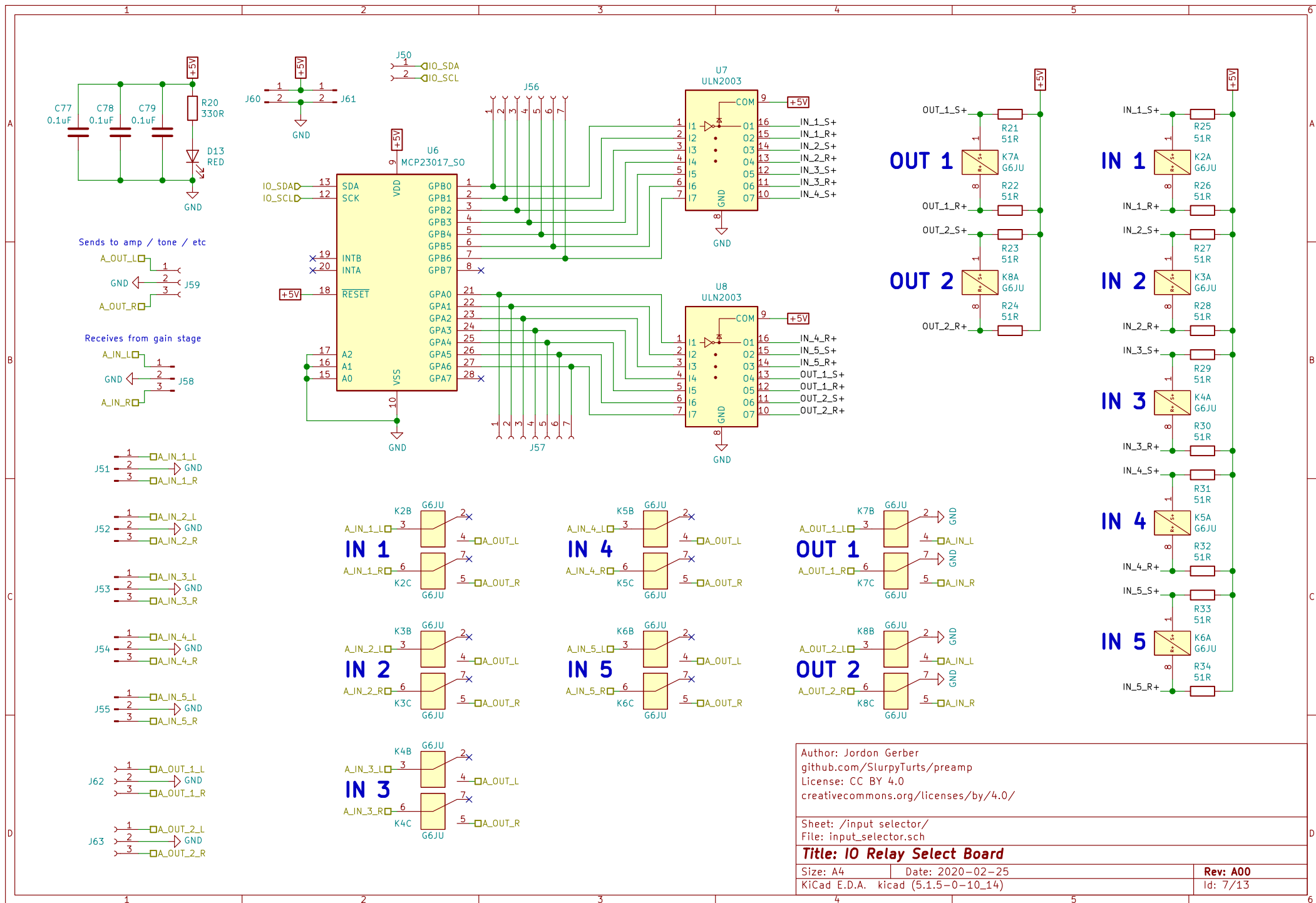
Title: Preamp MCU Board

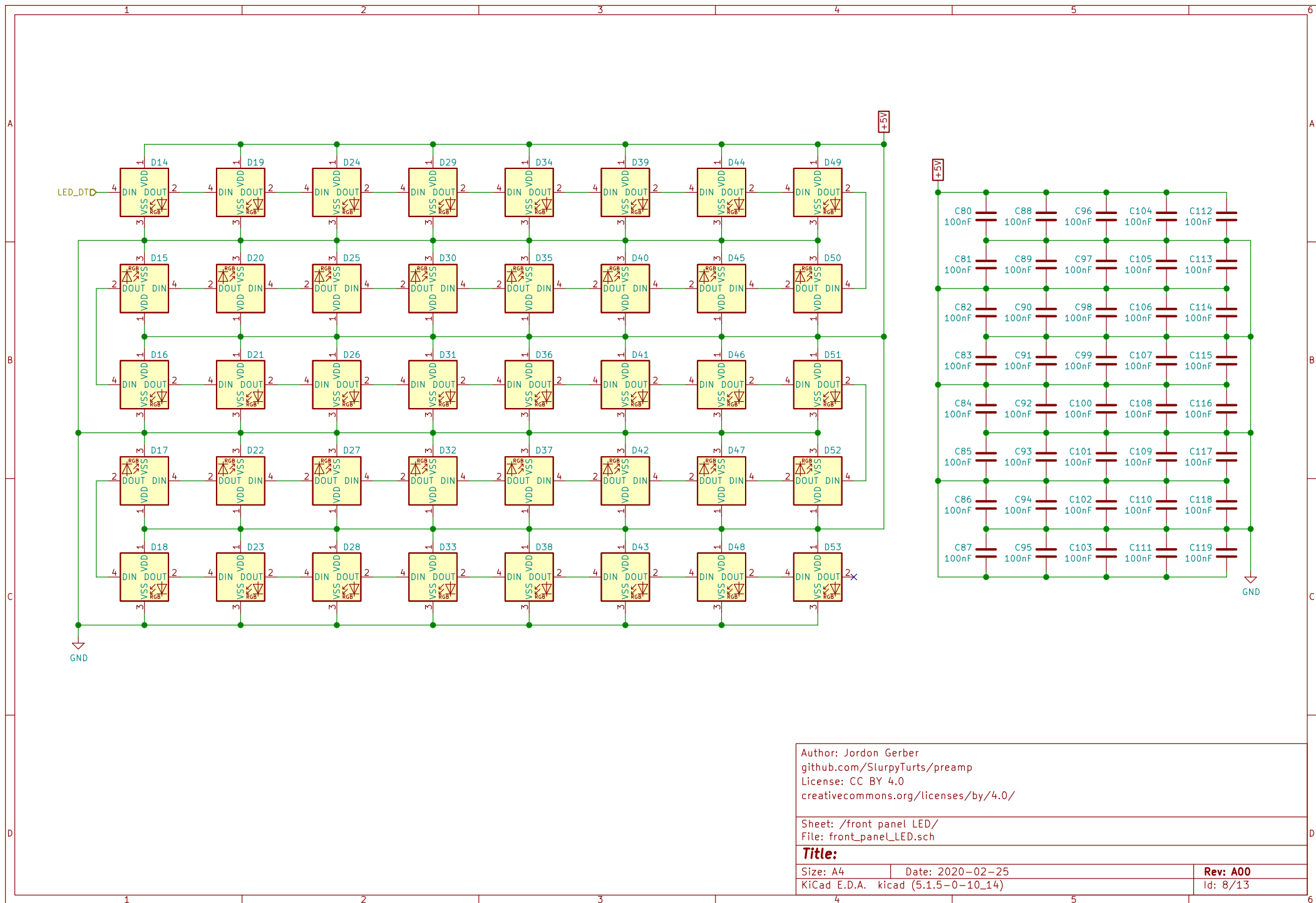
Size: A4 Date: 2020-02-25
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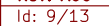
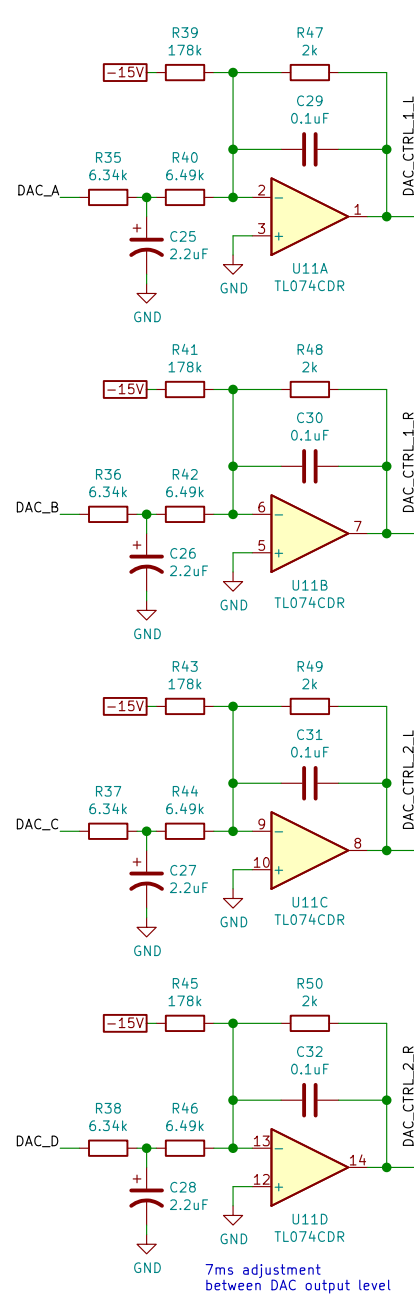


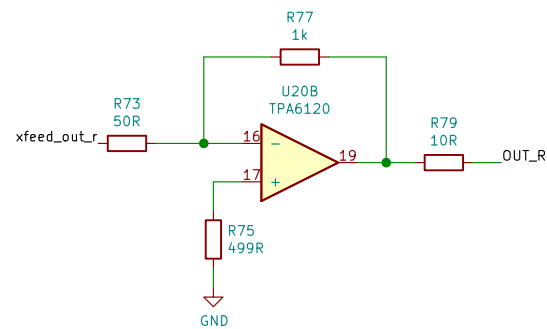
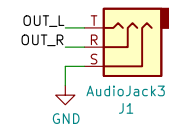
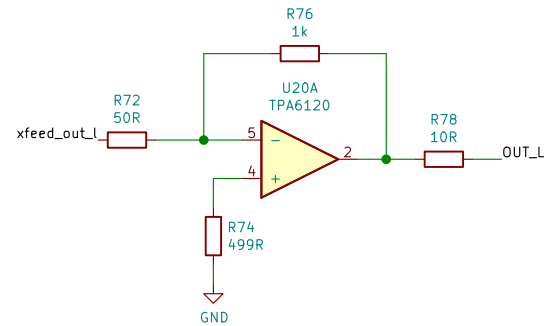
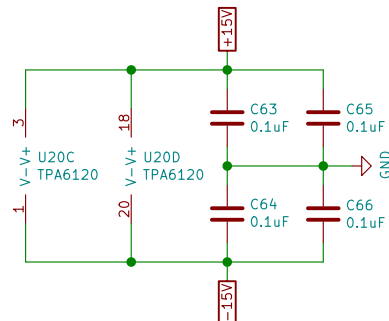
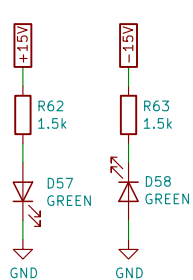
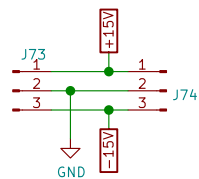
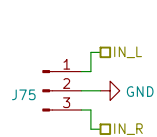
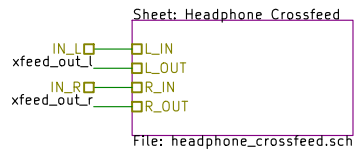
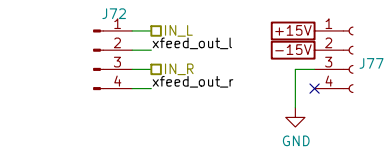
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Sheet: /IO/ File: IO.sch		
Title: IO Main Board		
Size: A4	Date: 2020-02-25	Rev: A00
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178k offset resistor shifts output up by approx. 30dB
control range becomes -100dB to +30dB





crosstalk: <https://headwizememorial.wordpress.com/2018/03/09/an-acoustic-simulator-for-headphone-amplifiers/>
amp: https://www.nutsvolts.com/magazine/article/precision_stereo_headphone_amplifier

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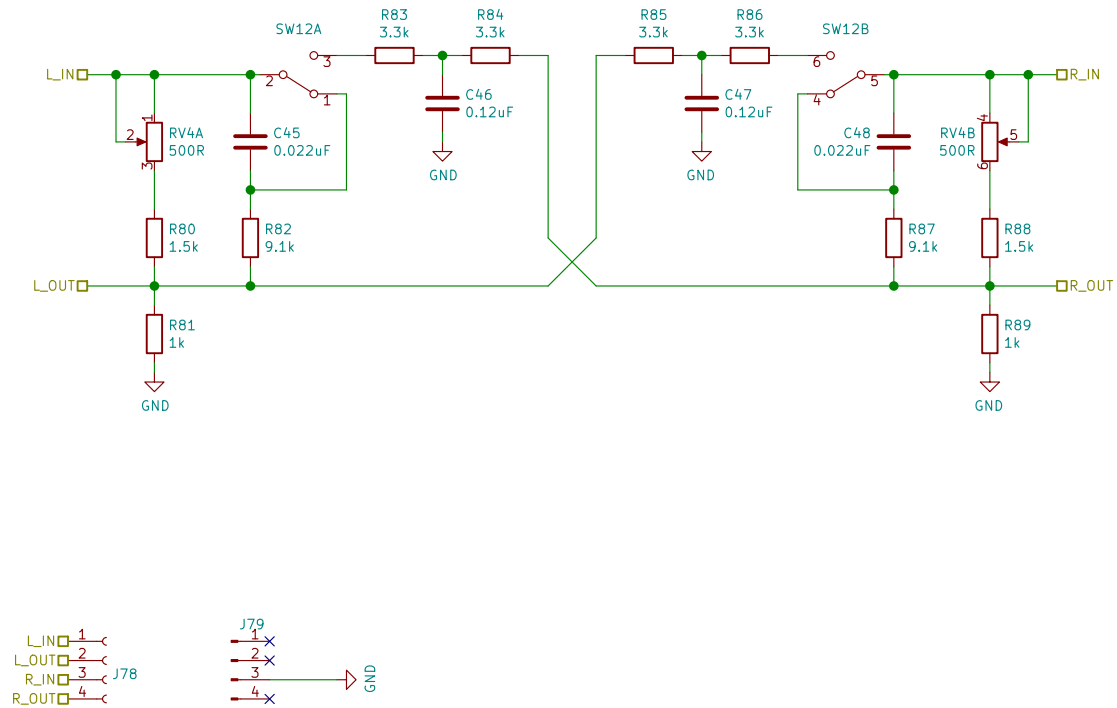
Sheet: /headphone amp/
File: headphone_amp.sch

Title: Headphone Amplifier Board

Size: A4
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Date: 2020-02-25

Rev: A00
Id: 10/13



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Sheet: /headphone amp/Headphone Crossfeed/
 File: headphone_crossfeed.sch

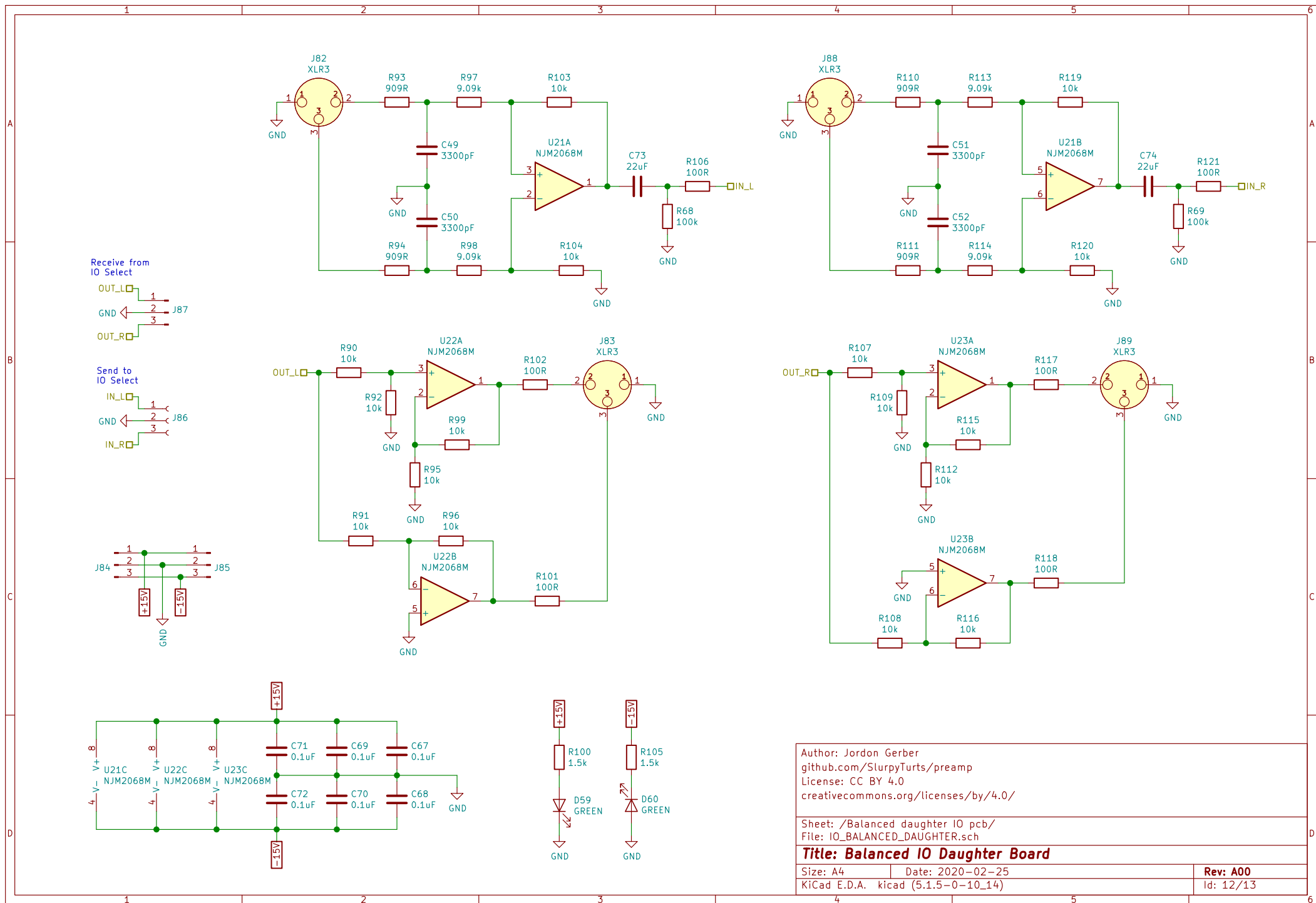
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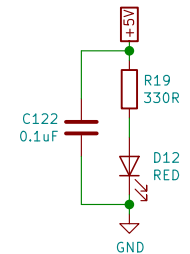
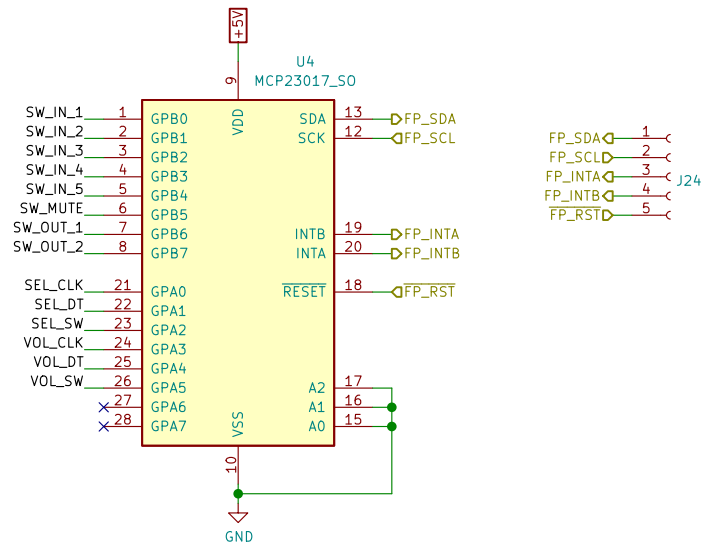
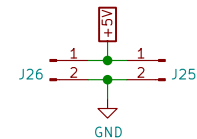
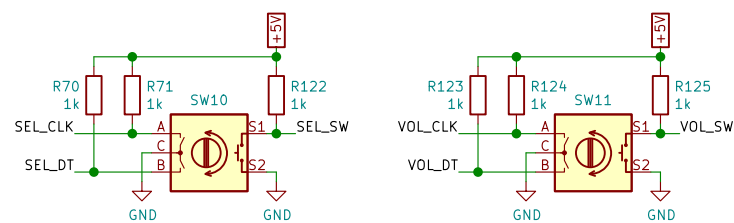
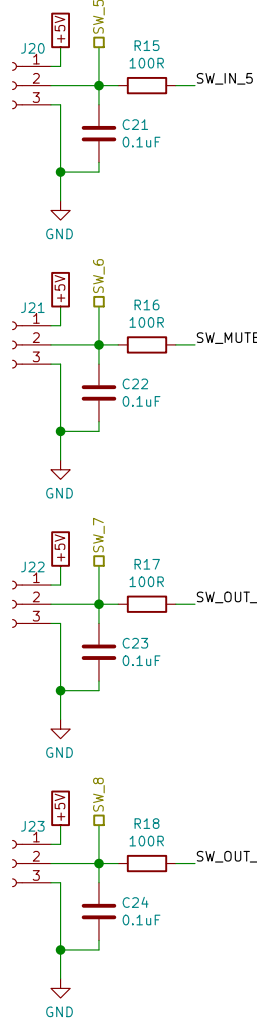
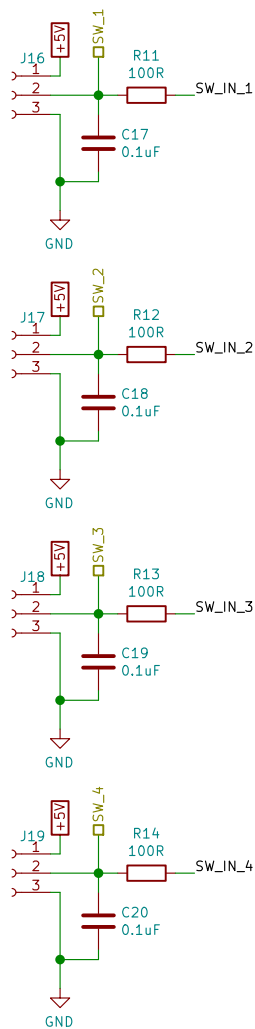
Size: A4 Date: 2020-02-25

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Id: 11/13





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Sheet: /front panel/
 File: front_panel.sch

Title: Front Panel

Size: A4 Date: 2020-02-25
 KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: A00
 Id: 13/13