

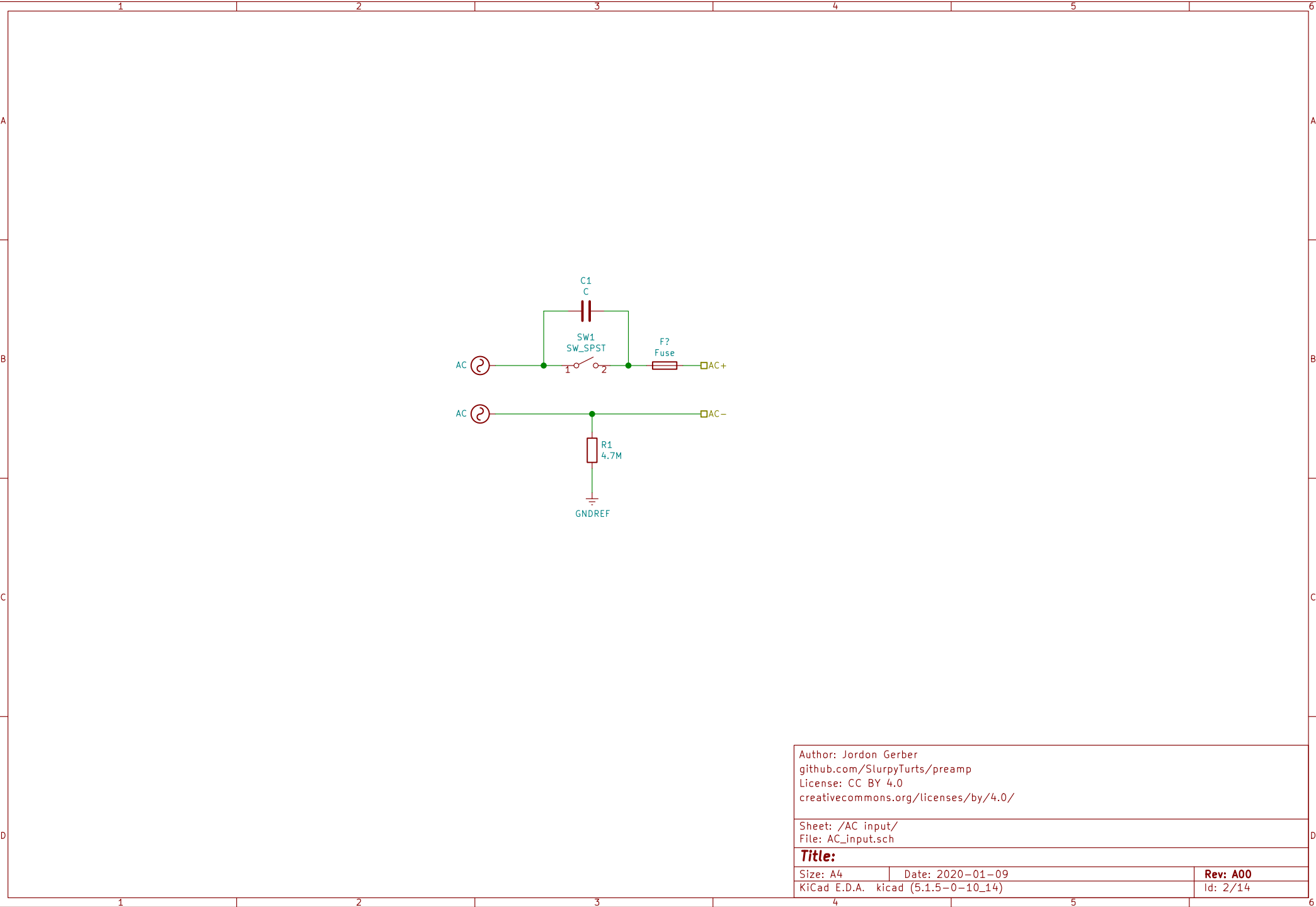
Author: Jordan Gerber
github.com/SlurpyTurts/preamp
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Sheet: /
 File: preamp.sch

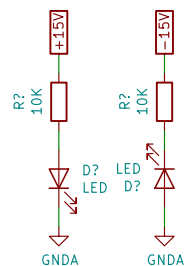
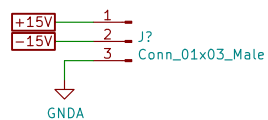
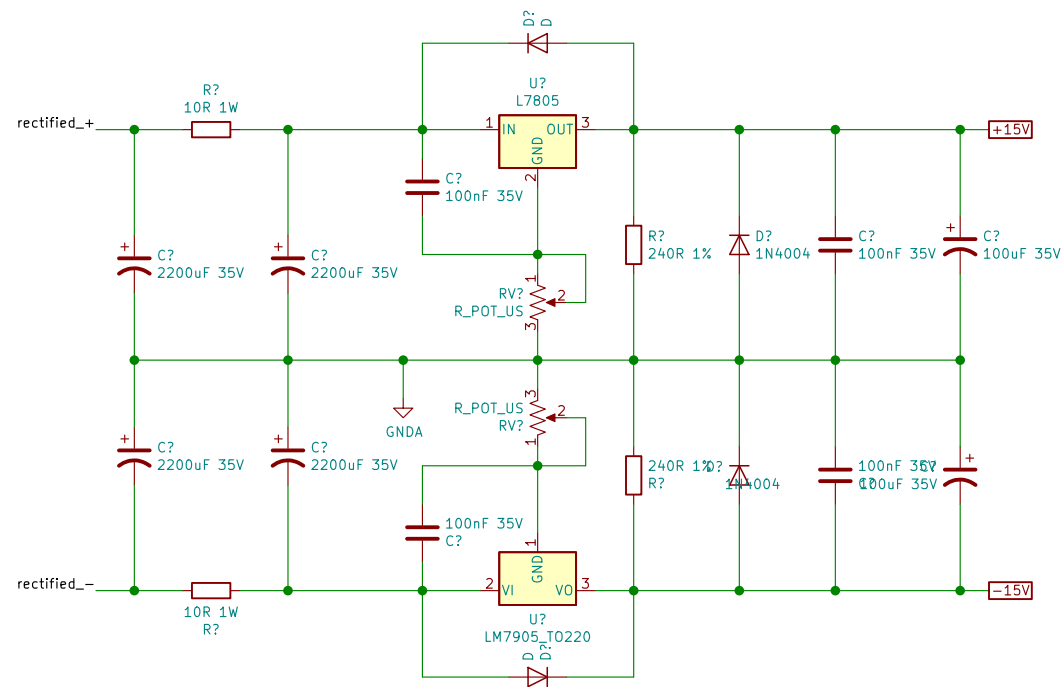
Title: Preamp

Size: A4 Date: 2020-01-09
 KiCad E.D.A. kicad (5.1.5-0-10_14)

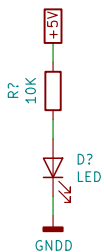
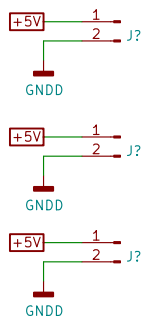
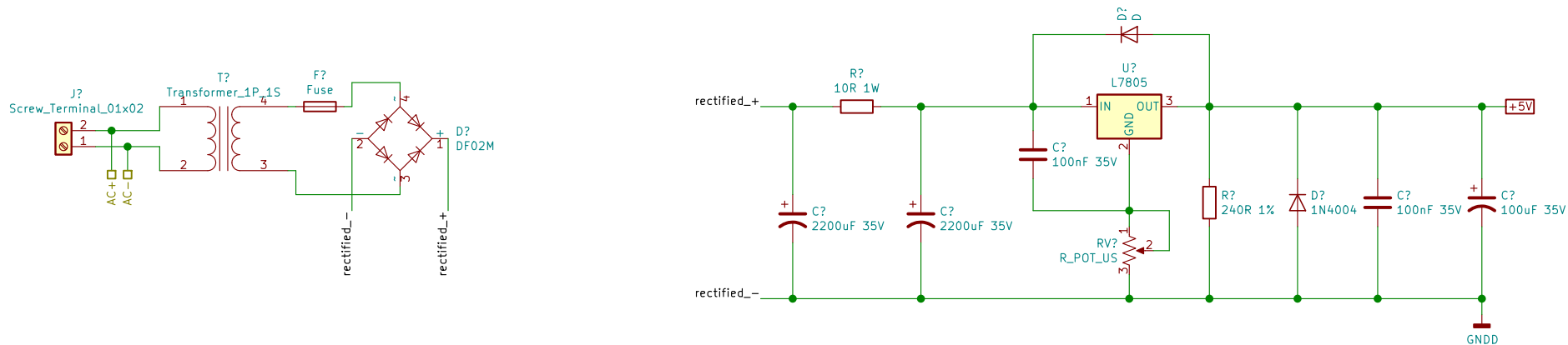
Rev: A00
 Id: 1/14



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Sheet: /AC input/ File: AC_input.sch		
Title:		
Size: A4	Date: 2020-01-09	Rev: A00
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Rev: A00
Id: 3/14



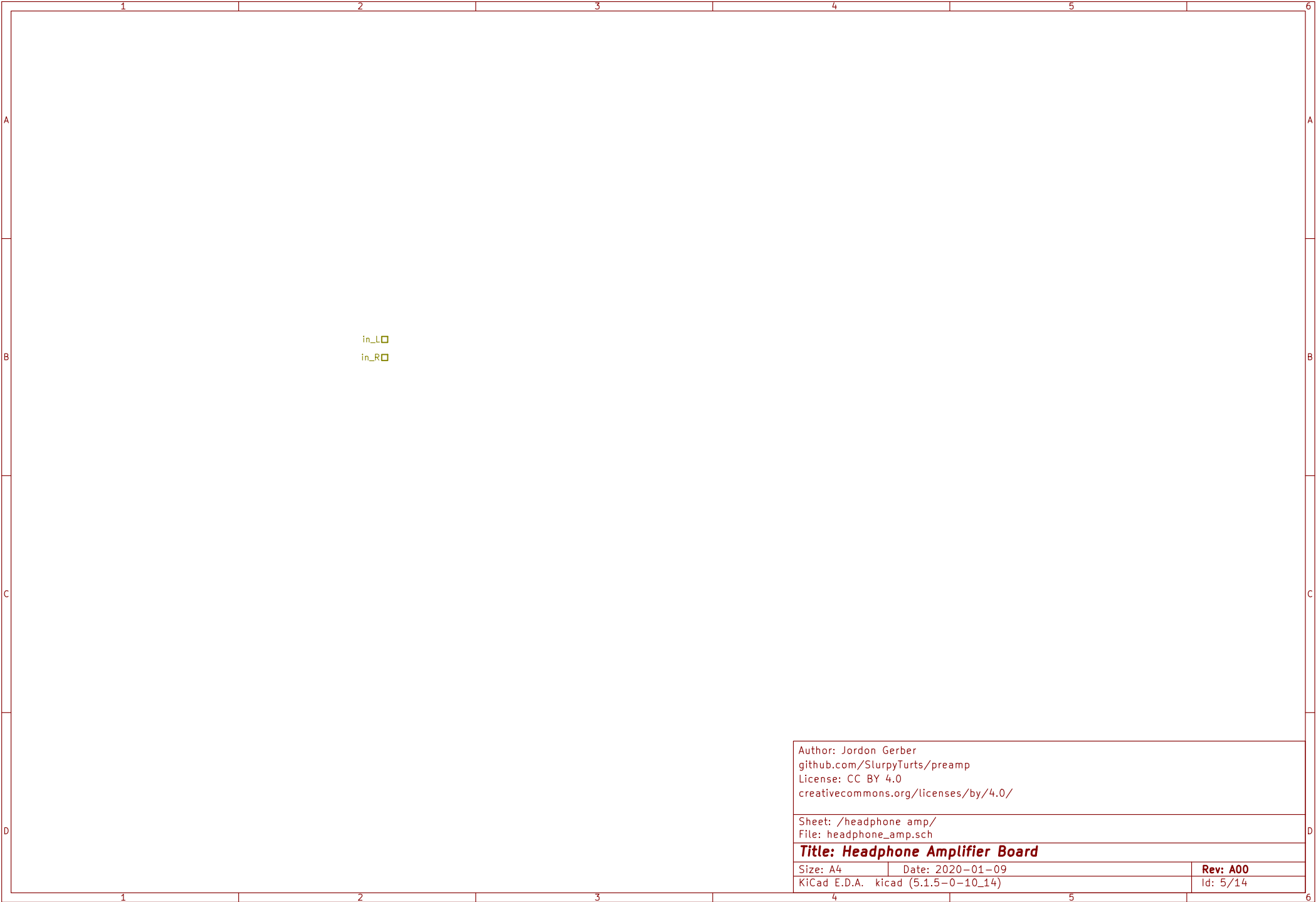
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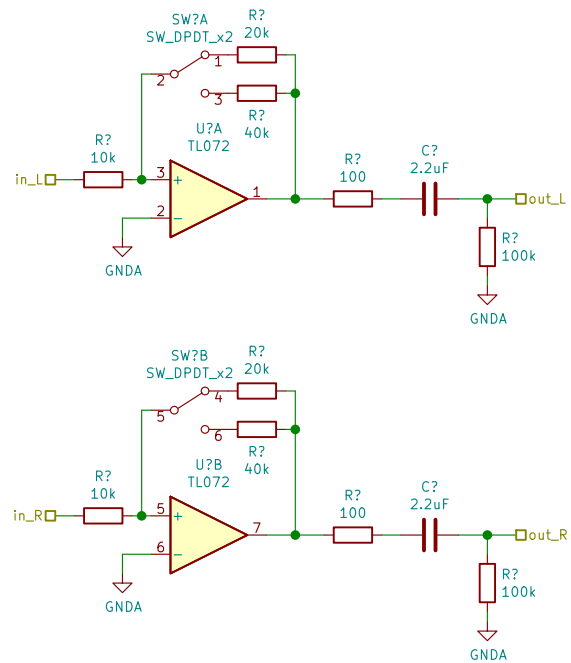
Sheet: /5V supply/
 File: 5V_supply.sch

Title: 5V Power Supply

Size: A4 Date: 2020-01-09
 KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: A00
 Id: 4/14

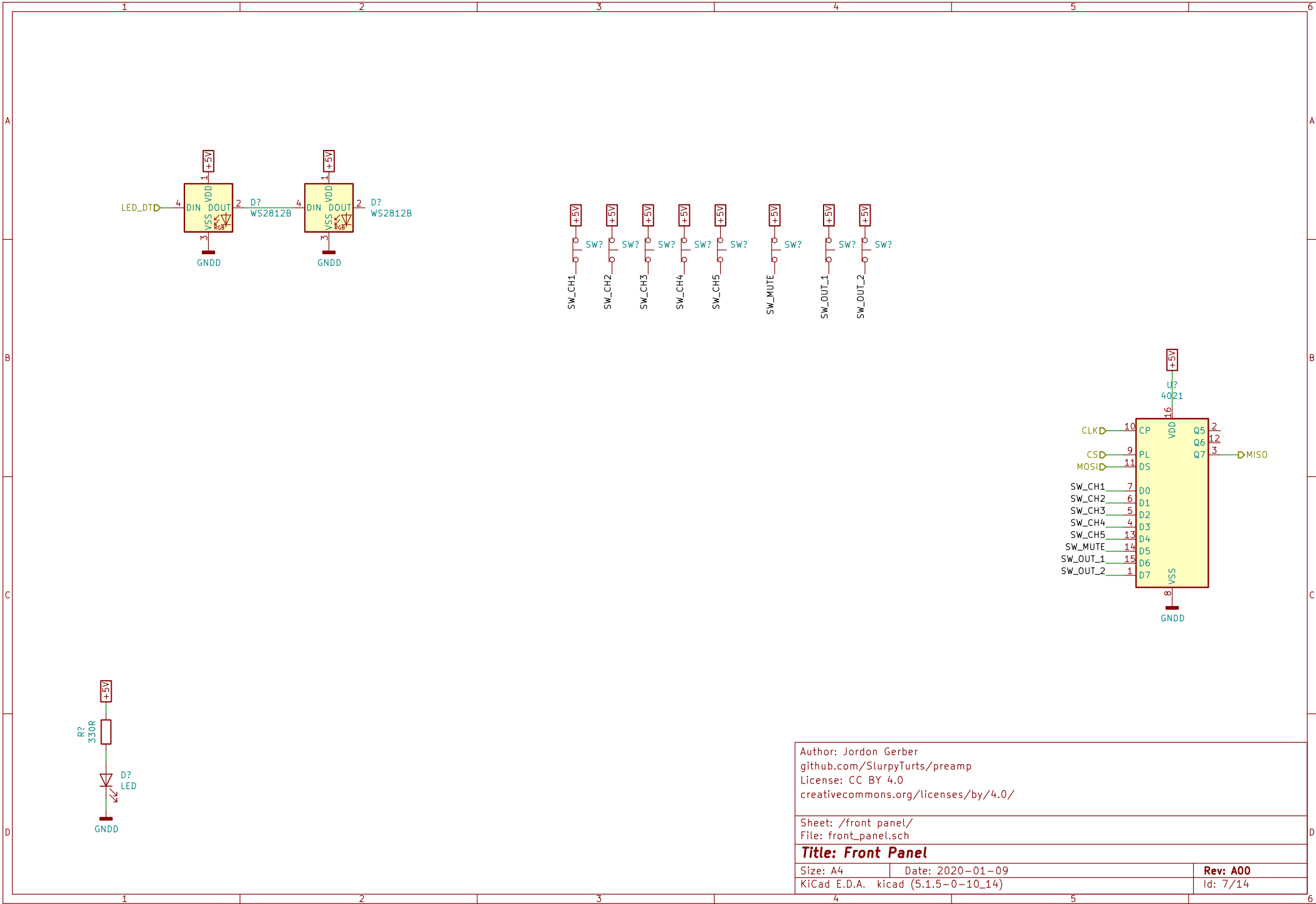


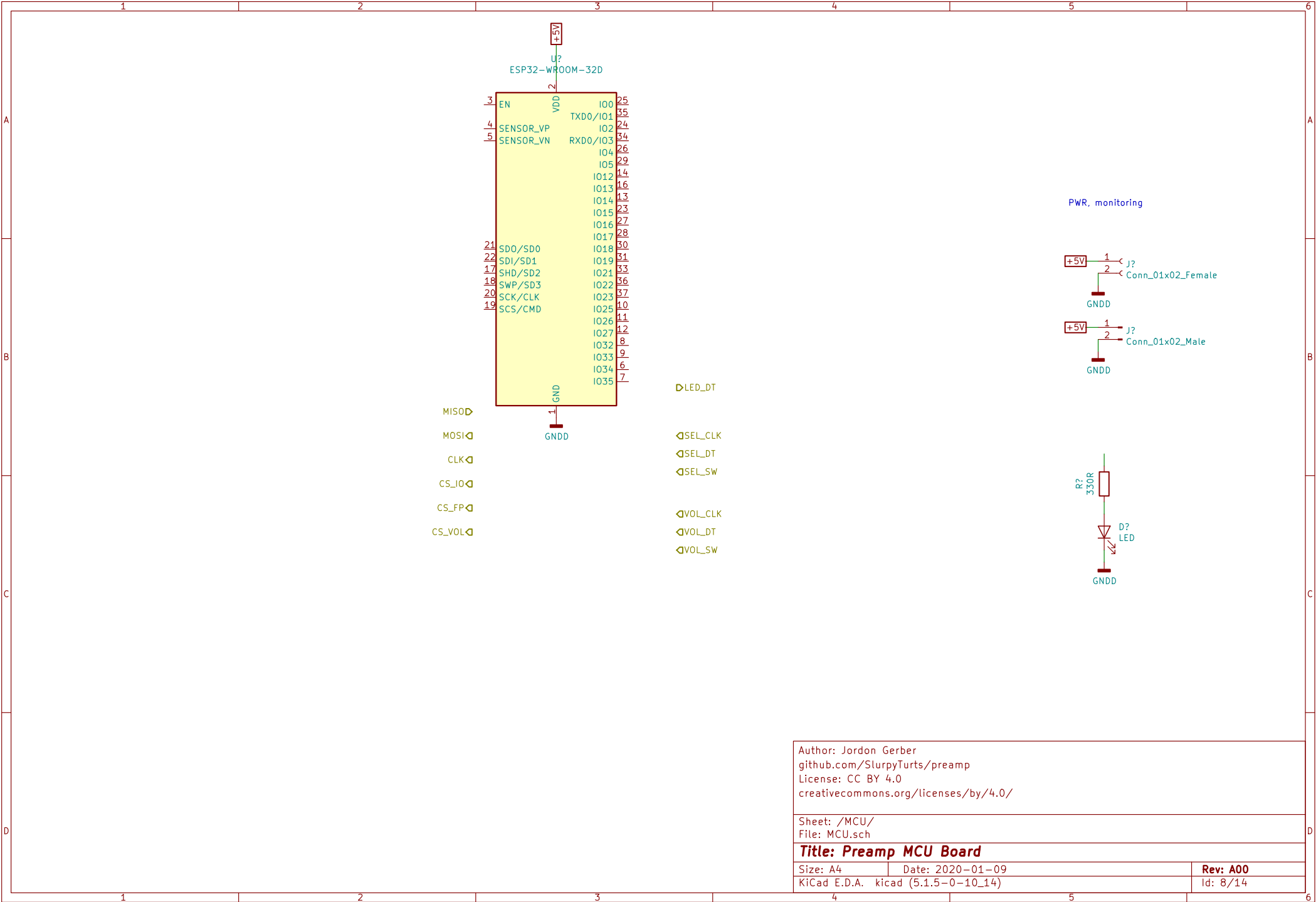


GAIN = $R_{\text{Feedback}} / R_{\text{input}}$
 20k select = +6dB gain
 40k select = +12dB gain

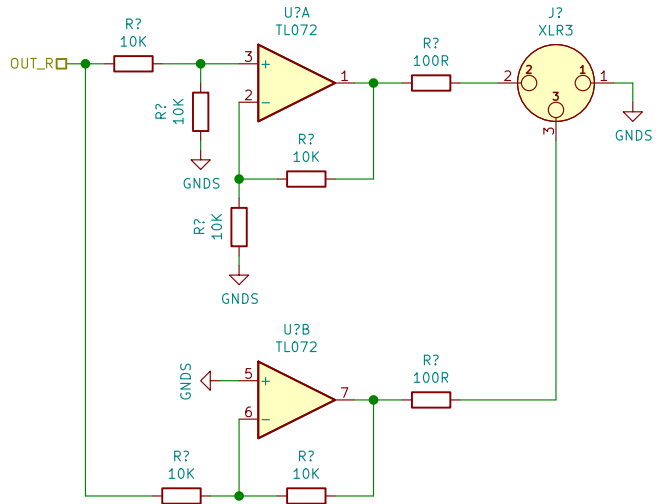
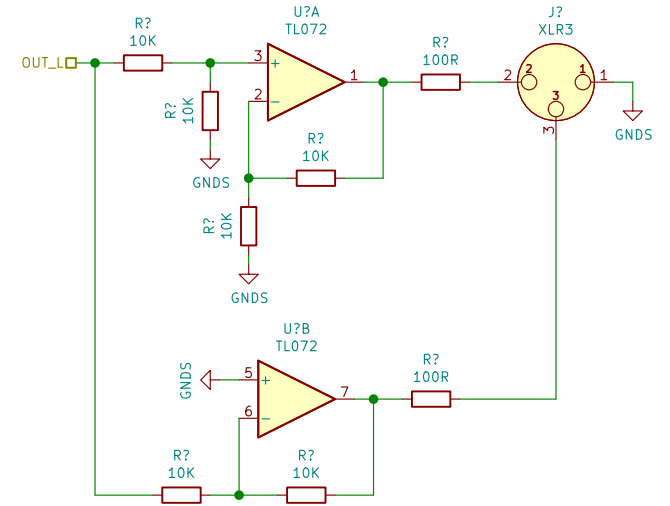
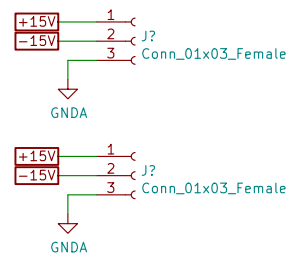
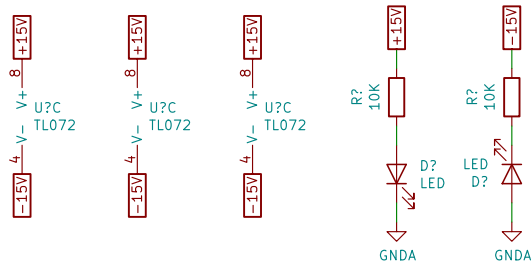
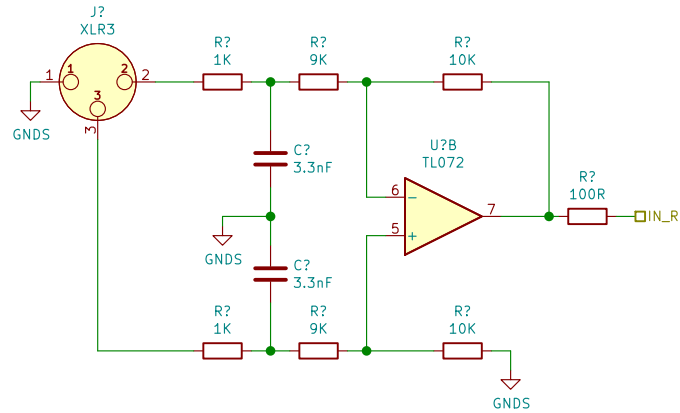
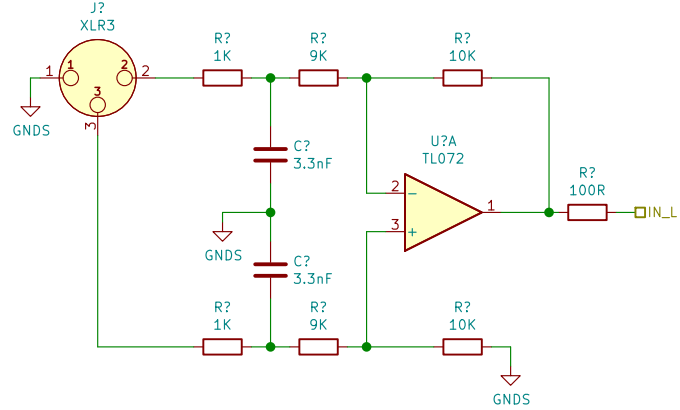


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Sheet: /gain_stage/ File: gain_stage.sch		
Title: Preamp Gain Stage Board		
Size: A4	Date: 2020-01-09	Rev: A00
KiCad E.D.A. kicad (5.1.5-0-10_14)		Id: 6/14





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Sheet: /MCU/ File: MCU.sch		
Title: Preamp MCU Board		
Size: A4	Date: 2020-01-09	Rev: A00
KiCad E.D.A. kicad (5.1.5-0-10_14)		Id: 8/14



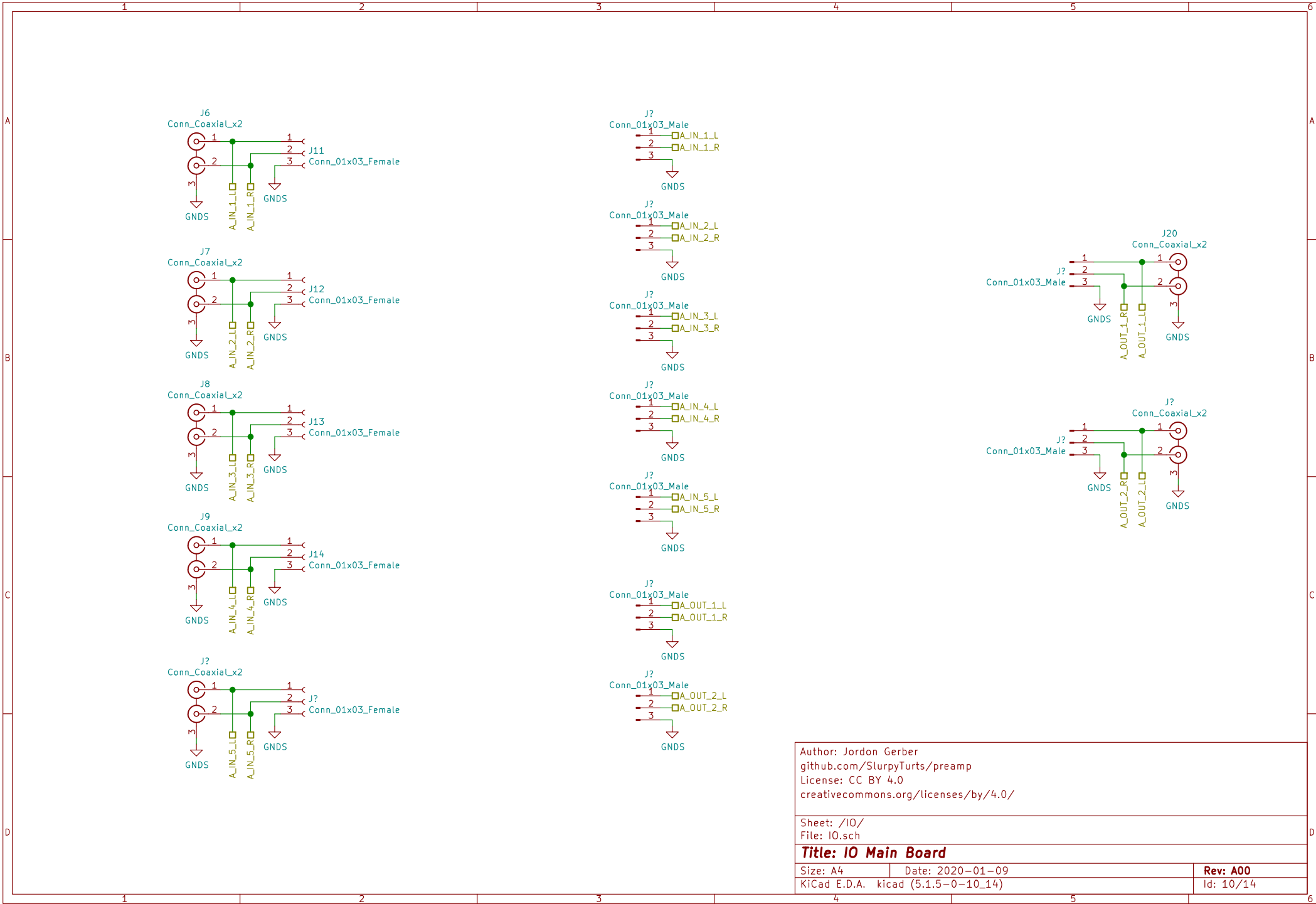
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Sheet: /Balanced daughter IO pcb/
 File: IO_BALANCED_DAUGHTER.sch

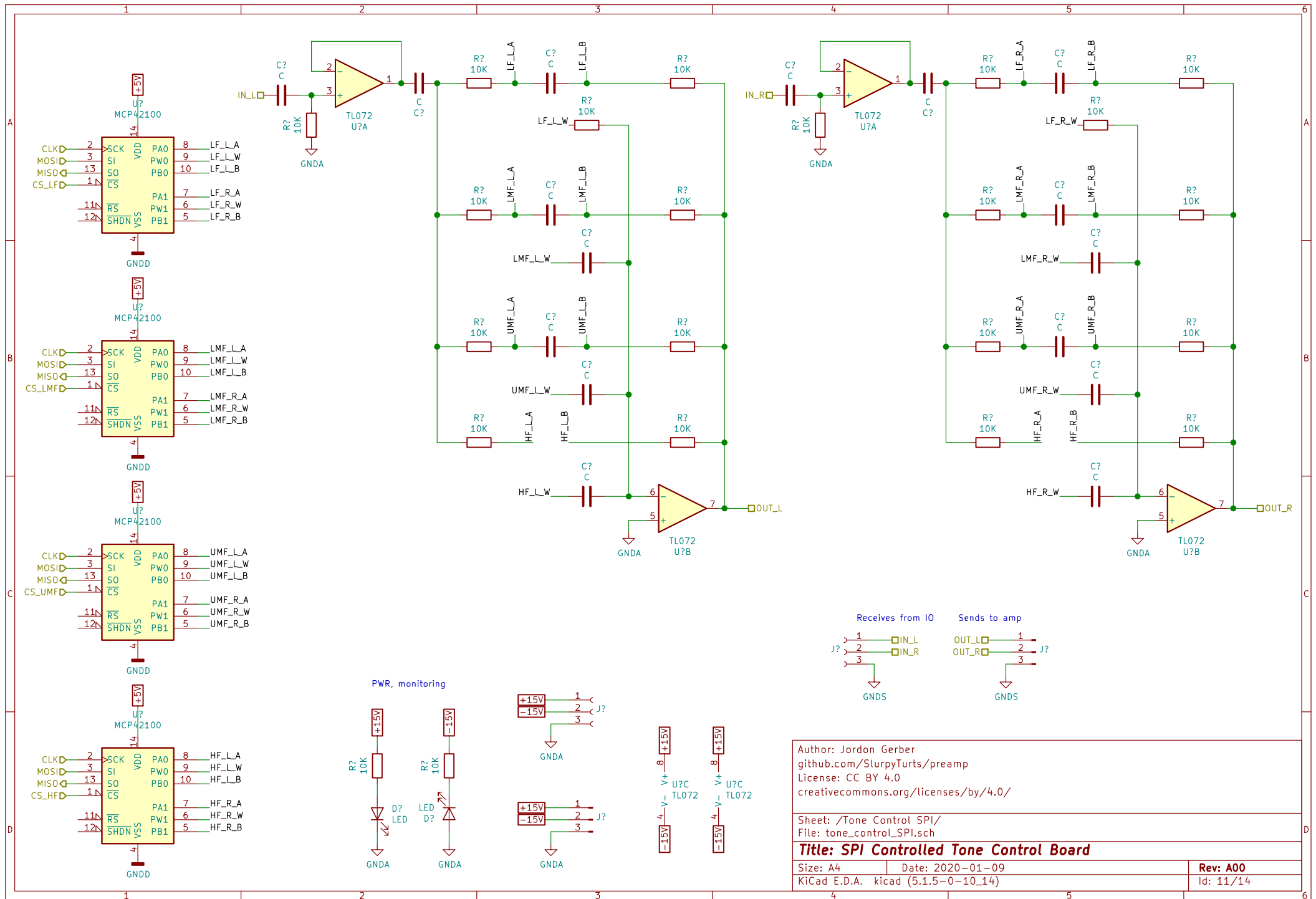
Title: Balanced IO Daughter Board

Size: A4
 Date: 2020-01-09
 KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: A00
 Id: 9/14



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Sheet: /IO/ File: IO.sch		
Title: IO Main Board		
Size: A4	Date: 2020-01-09	Rev: A00
KiCad E.D.A. kicad (5.1.5-0-10_14)		Id: 10/14



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Sheet: /Tone Control SPI/
 File: tone_control_SPI.sch

Title: SPI Controlled Tone Control Board

Size: A4 Date: 2020-01-09
 KiCad E.D.A. kicad (5.1.5-0-10_14)

Rev: A00
 Id: 11/14

