

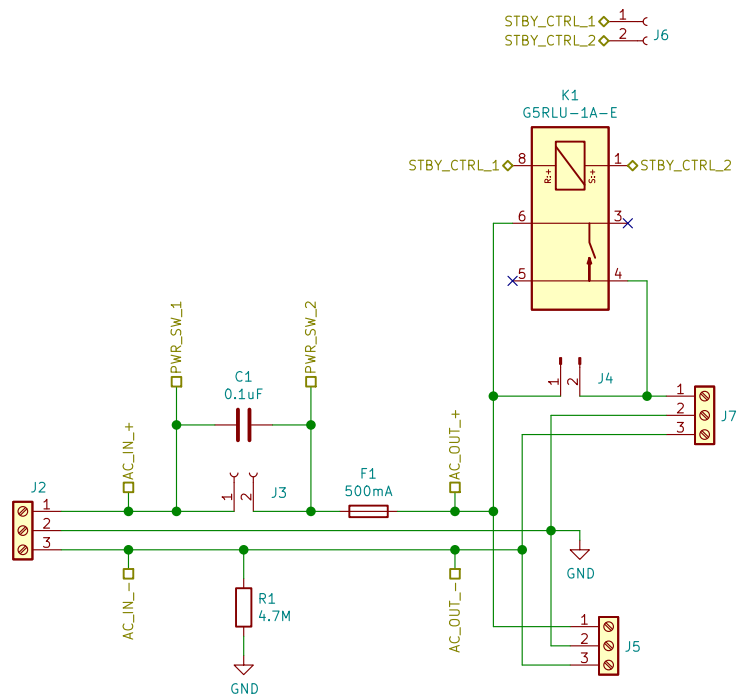
Author: Jordan Gerber  
[github.com/SlurpyTurts/preamp](https://github.com/SlurpyTurts/preamp)  
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Sheet: /  
 File: preamp.sch

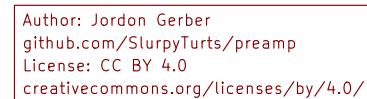
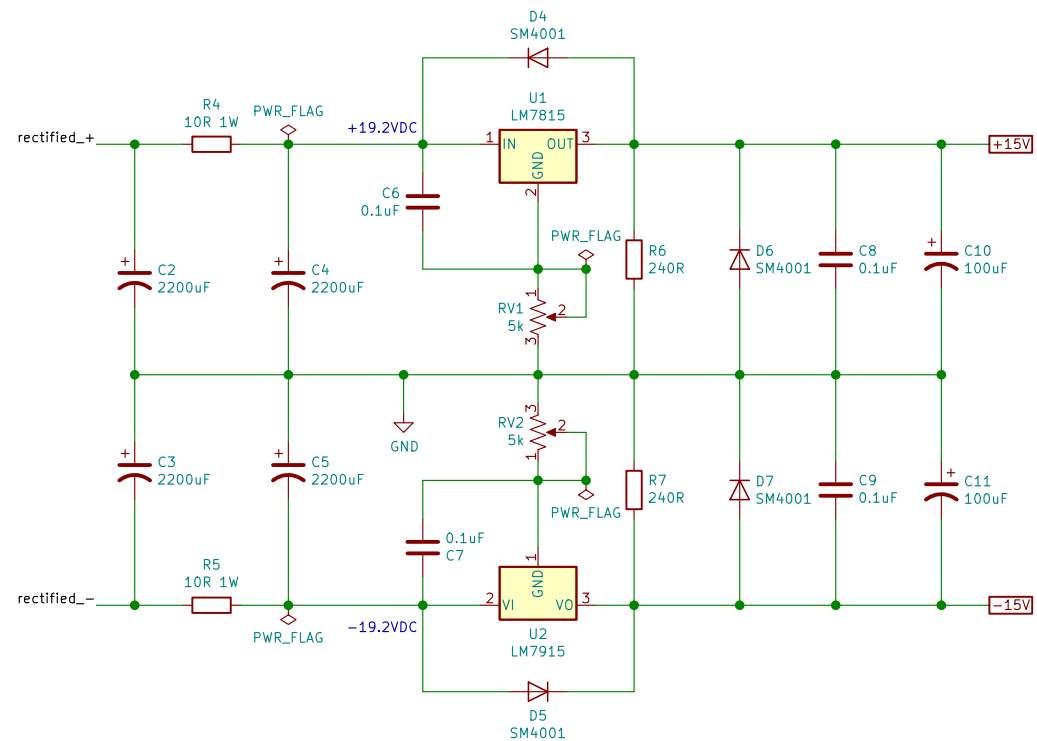
**Title: Preamp**

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

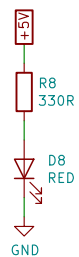
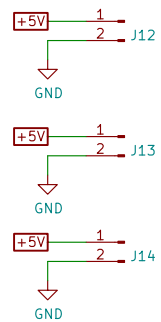
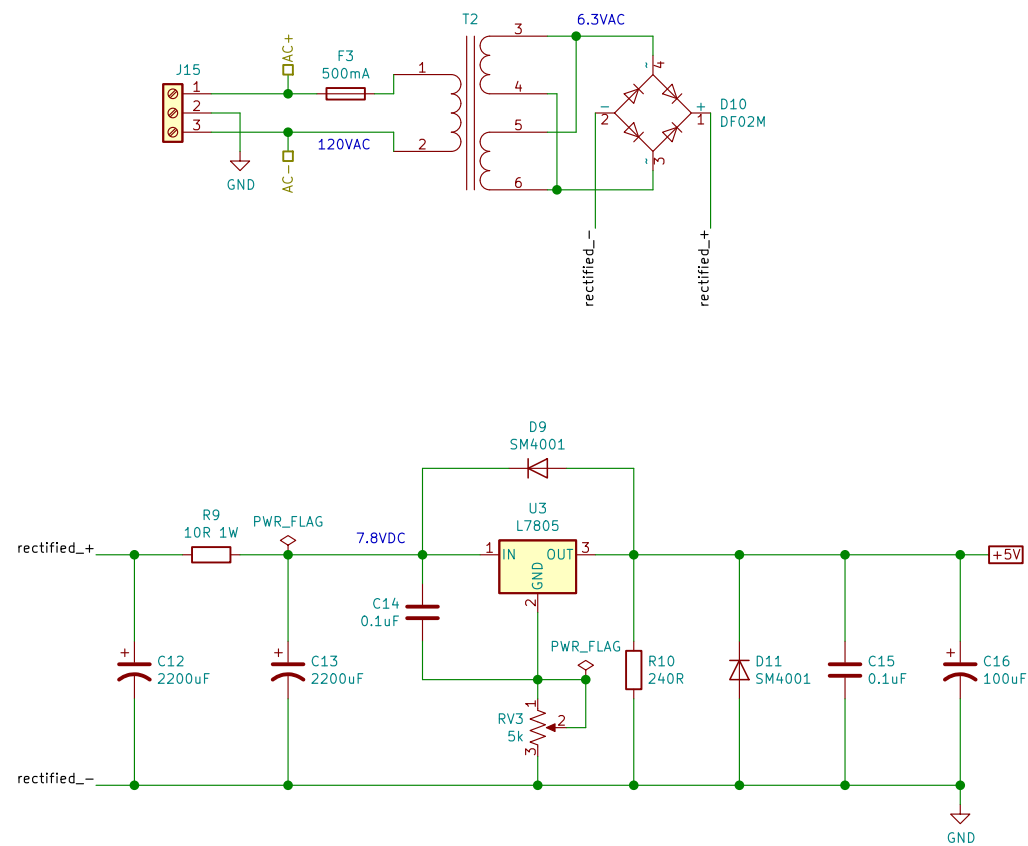
**Rev: A00**  
 Id: 1/13



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Sheet: /AC input/ File: AC_input.sch		
<b>Title:</b>		
Size: A4	Date: 2020-02-25	Rev: A00
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Id: 3/13



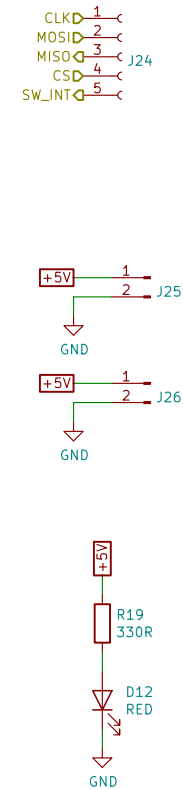
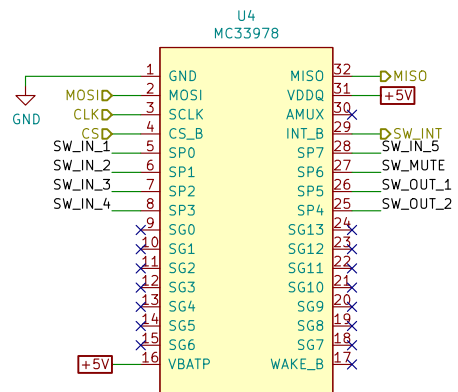
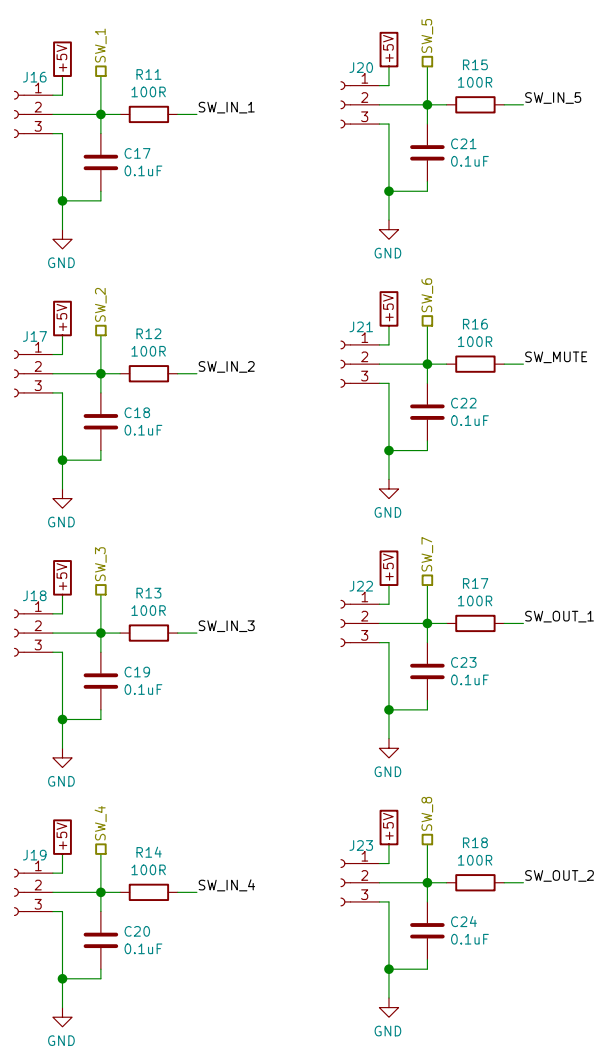
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Sheet: /5V supply/  
 File: 5V\_supply.sch

### Title: 5V Power Supply

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

Rev: A00  
 Id: 4/13



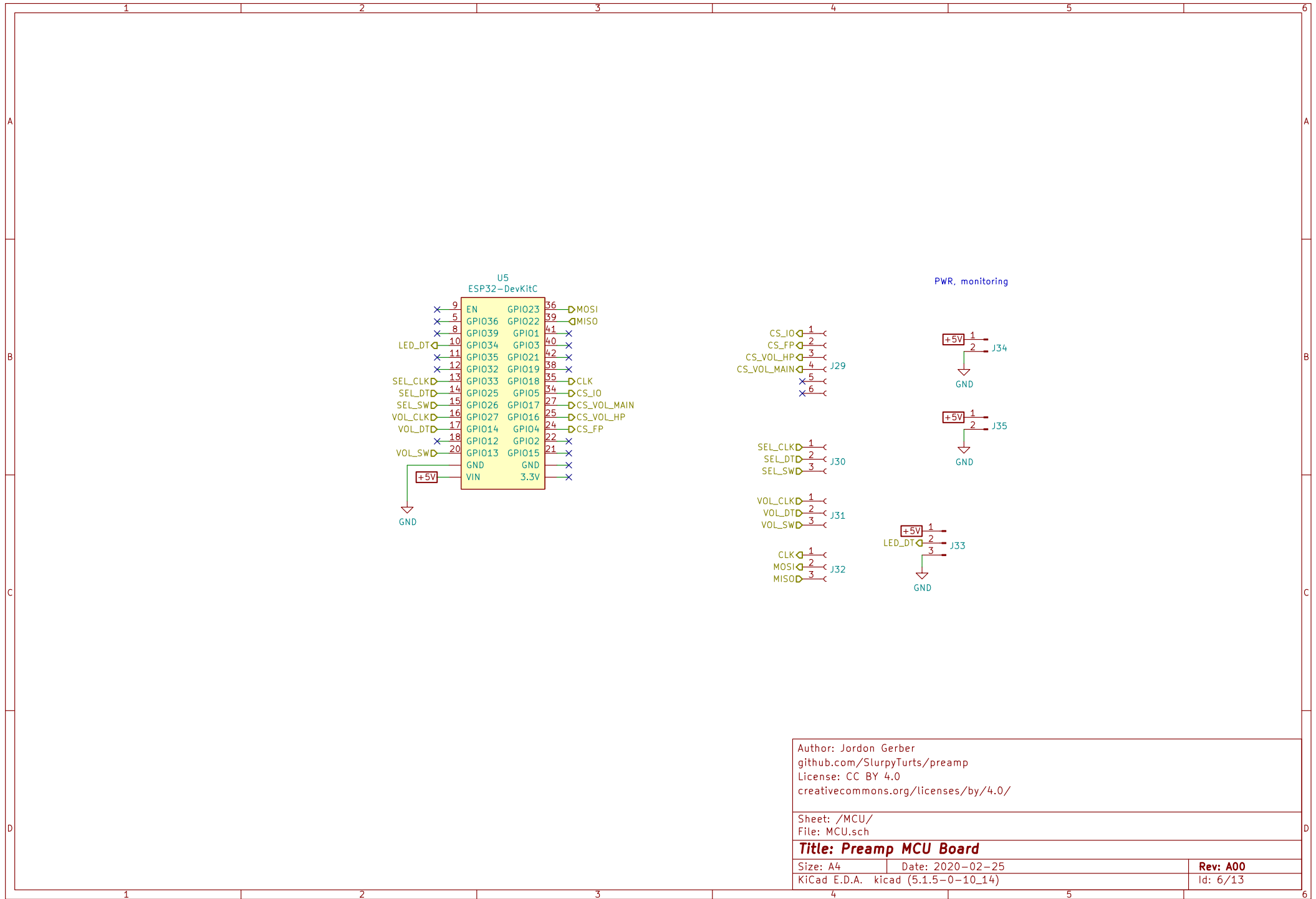
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Sheet: /front panel/  
 File: front\_panel.sch

### Title: Front Panel

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

Rev: A00  
 Id: 5/13



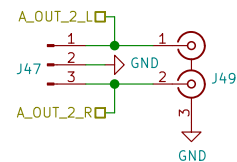
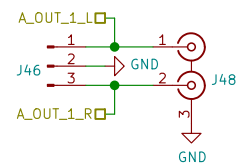
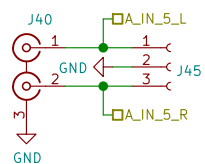
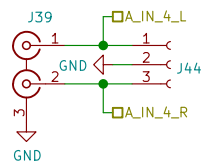
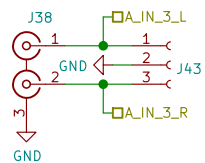
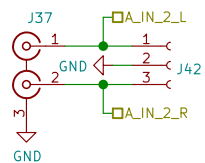
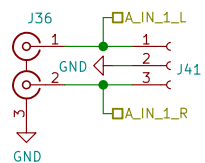
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Sheet: /MCU/  
File: MCU.sch

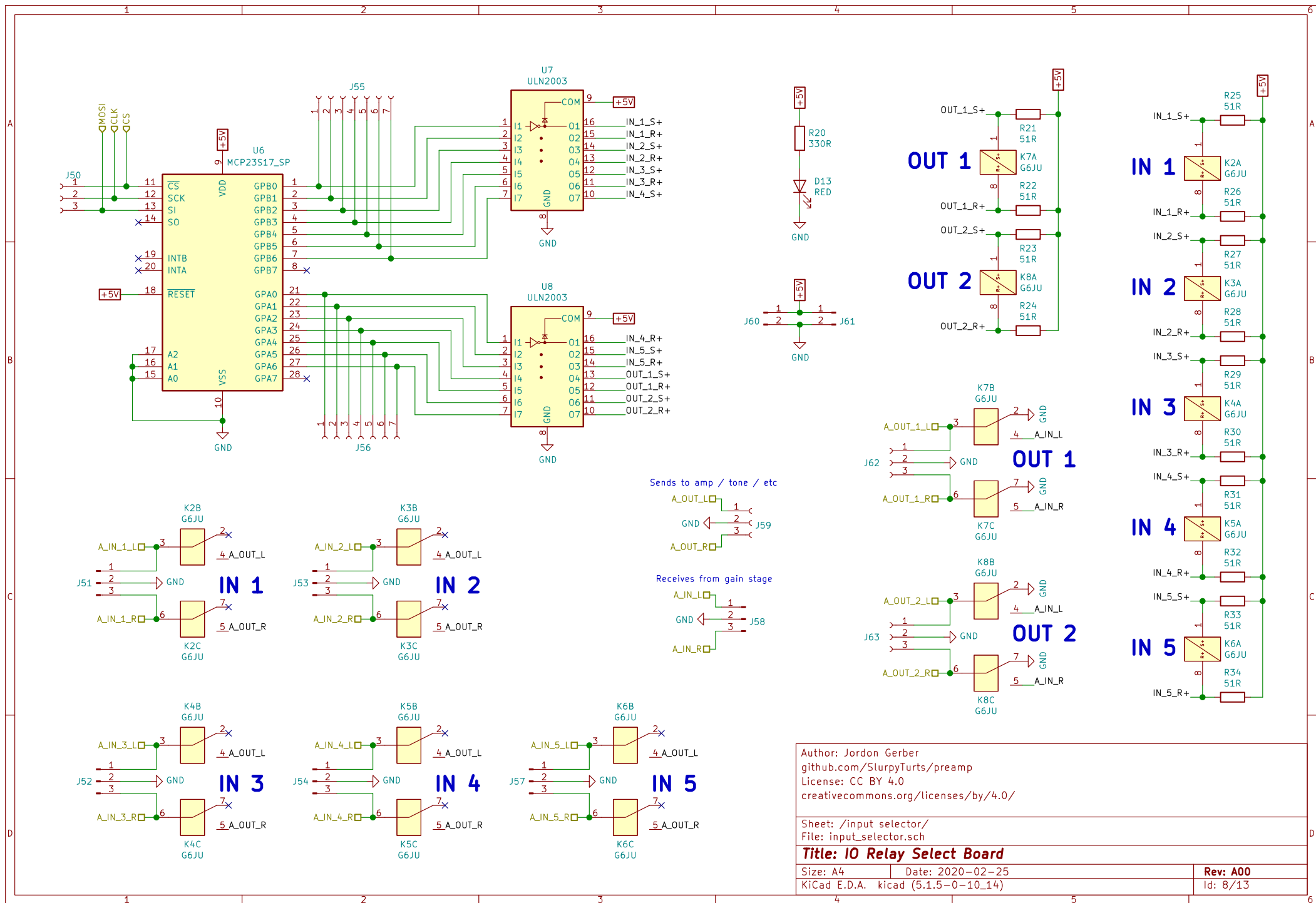
**Title: Preamplifier MCU Board**

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

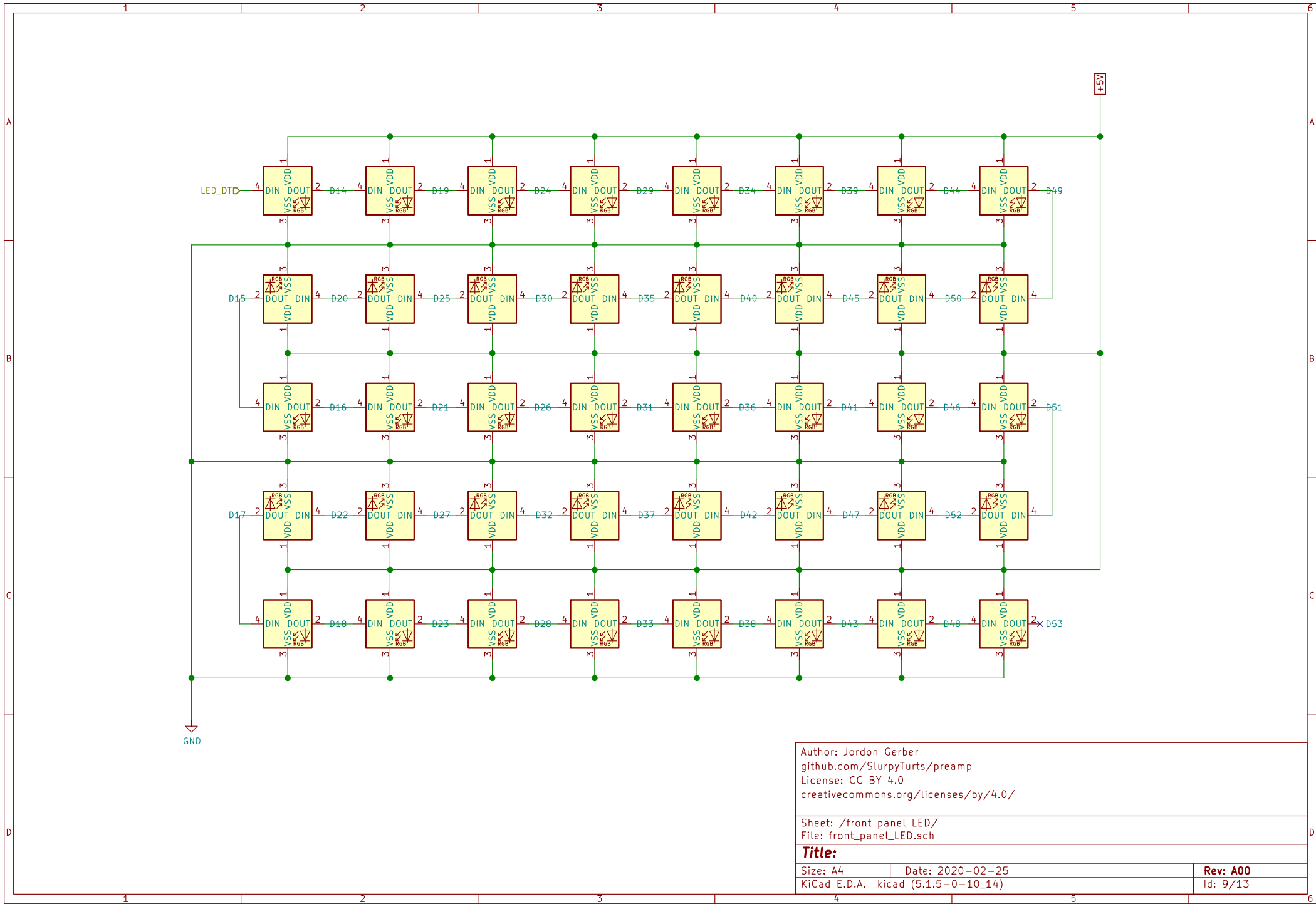
Rev: A00  
Id: 6/13



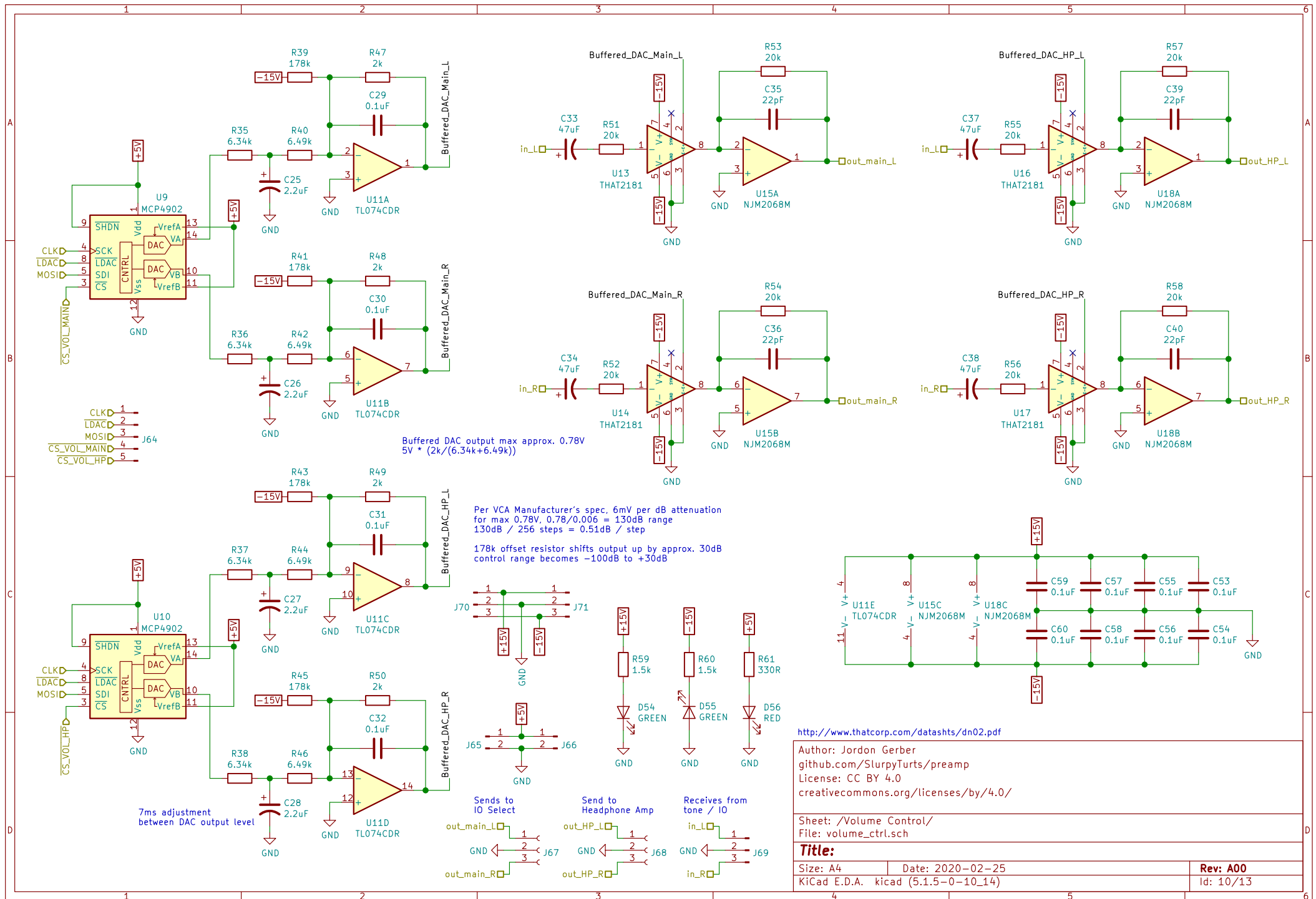
Author: Jordon Gerber <a href="https://github.com/SlurpyTurts/preamp">github.com/SlurpyTurts/preamp</a> License: CC BY 4.0 <a href="https://creativecommons.org/licenses/by/4.0/">creativecommons.org/licenses/by/4.0/</a>		
Sheet: /IO/ File: IO.sch		
<b>Title: IO Main Board</b>		
Size: A4	Date: 2020-02-25	Rev: A00
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Sheet: /front panel LED/ File: front_panel_LED.sch		
Title:		
Size: A4	Date: 2020-02-25	Rev: A00
KiCad E.D.A. kicad (5.1.5-0-10_14)		Id: 9/13



<http://www.thatcorp.com/datashts/dn02.pdf>

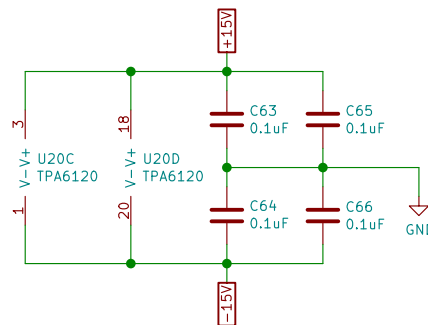
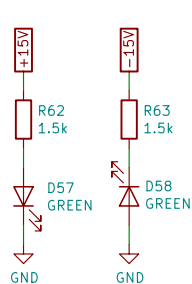
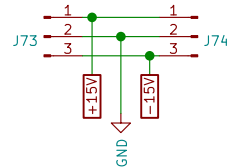
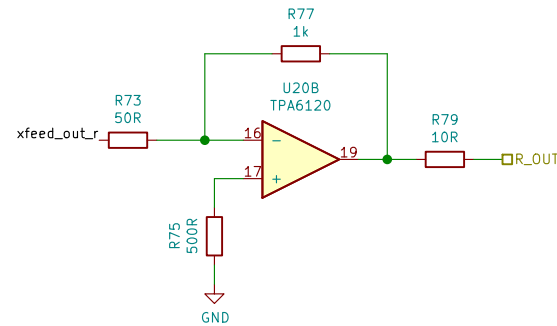
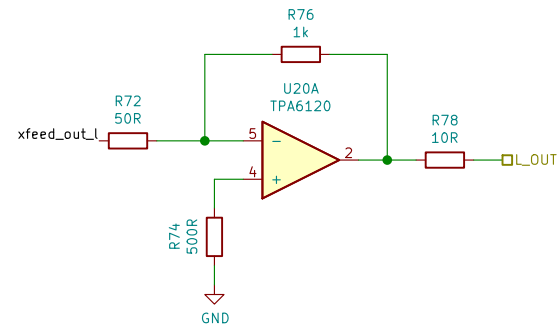
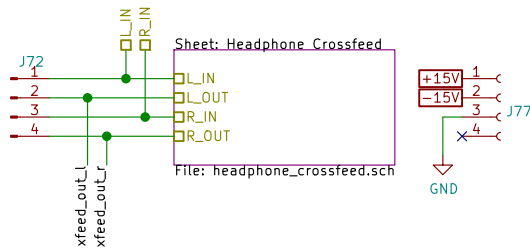
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Sheet: /Volume Control/  
 File: volume\_ctrl.sch

**Title:**

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

Rev: A00  
 Id: 10/13



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](https://www.nutsvolts.com/magazine/article/precision_stereo_headphone_amplifier)

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Sheet: /headphone amp/  
File: headphone\_amp.sch

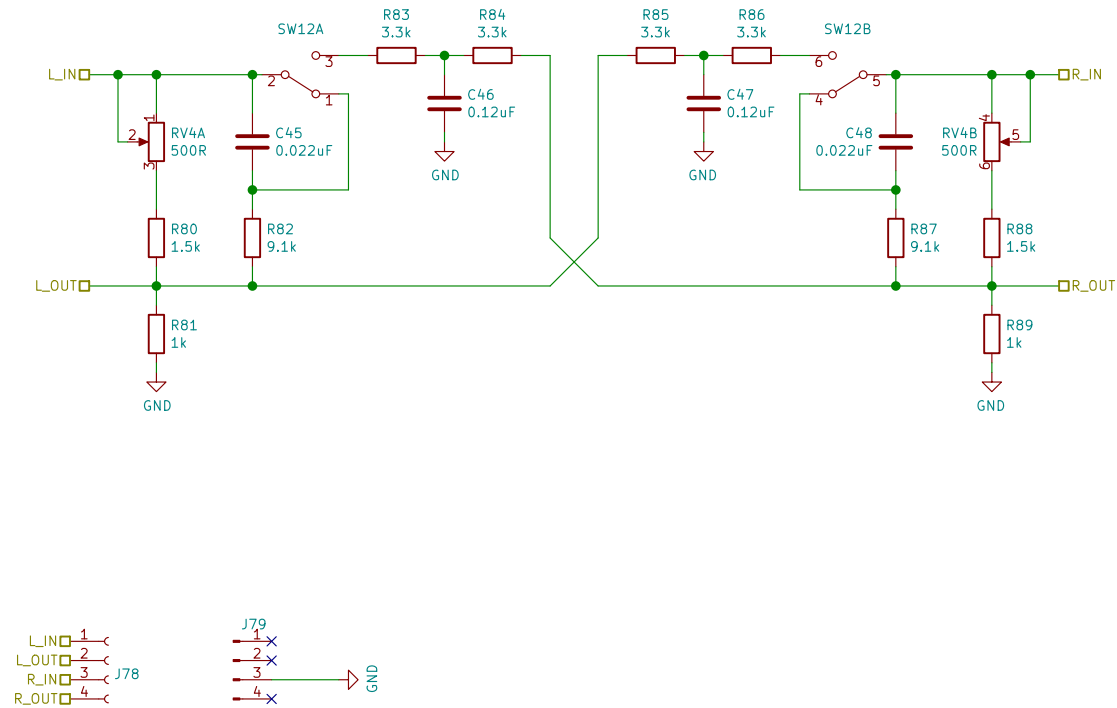
**Title: Headphone Amplifier Board**

Size: A4  
KiCad E.D.A. kicad (5.1.5-0-10\_14)

Date: 2020-02-25

Rev: A00

Id: 11/13



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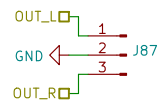
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 File: headphone\_crossfeed.sch

**Title: Headphone Crosstalk**

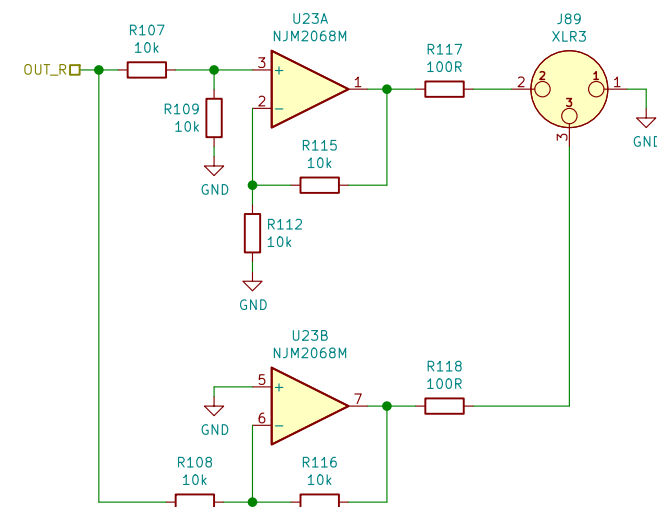
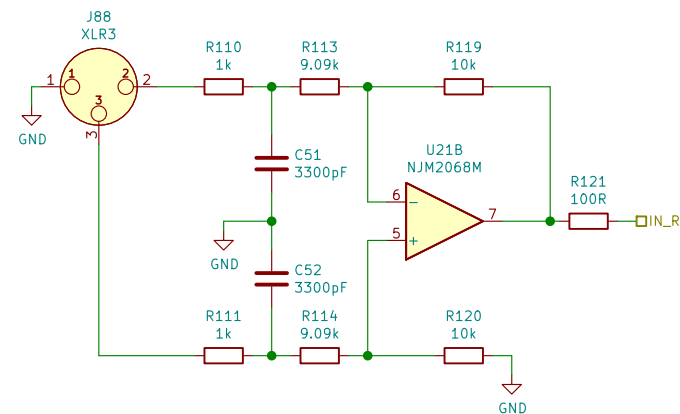
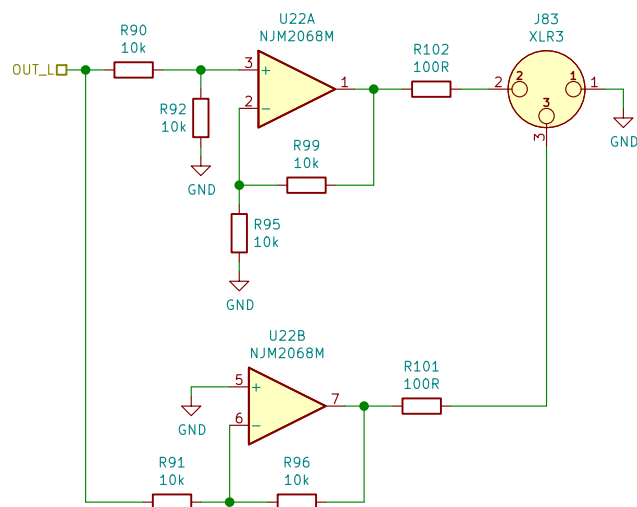
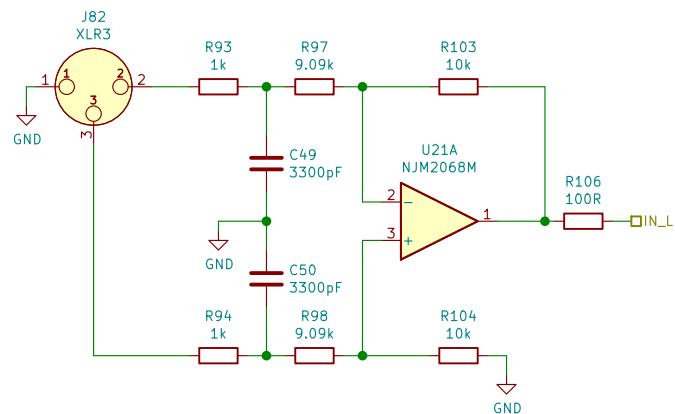
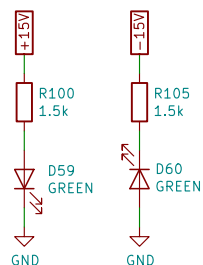
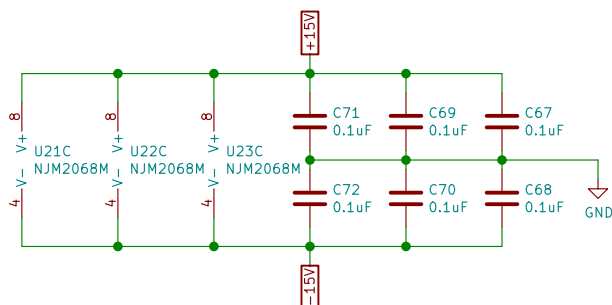
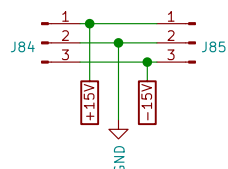
Size: A4  
 Date: 2020-02-25  
 KiCad E.D.A. kicad (5.1.5-0-10\_14)

Rev: A00  
 Id: 12/13

Receive from  
IO Select



Send to  
IO Select



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Sheet: /Balanced daughter IO pcb/  
File: IO\_BALANCED\_DAUGHTER.sch

**Title: Balanced IO Daughter Board**

Size: A4 Date: 2020-02-25

KiCad E.D.A. kicad (5.1.5-0-10\_14)

Rev: A00

Id: 13/13