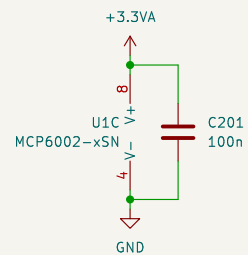


Input buffer
opamp is
powered with
3.3V.



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Sheet: /input_buffers/
File: input_buffers.kicad_sch

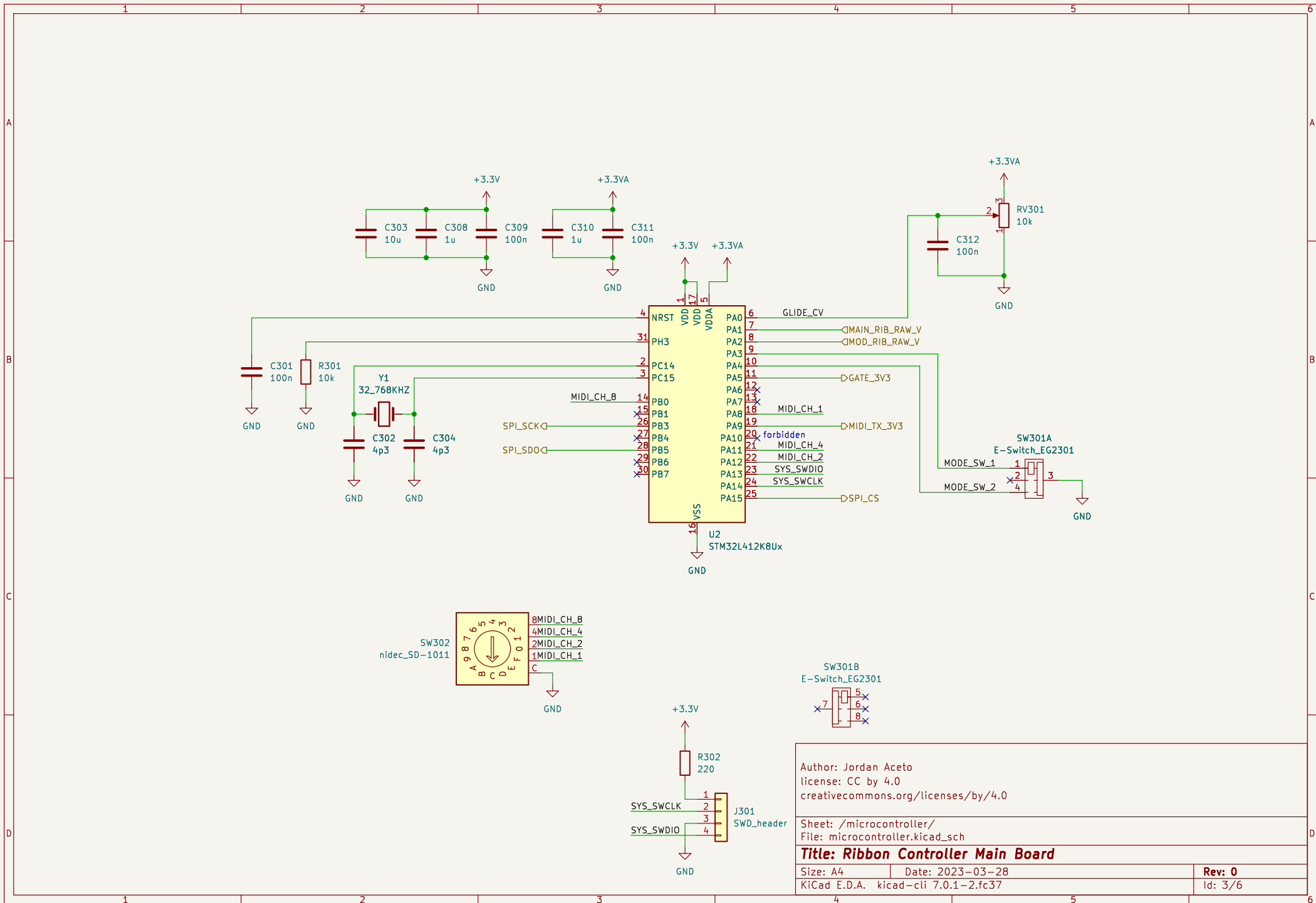
Title: Ribbon Controller Main Board

Size: A4 Date: 2023-03-28

KiCad E.D.A. kicad-cli 7.0.1-2.fc37

Rev: 0

Id: 2/6



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Sheet: /microcontroller/
 File: microcontroller.kicad_sch

Title: Ribbon Controller Main Board

Size: A4 Date: 2023-03-28

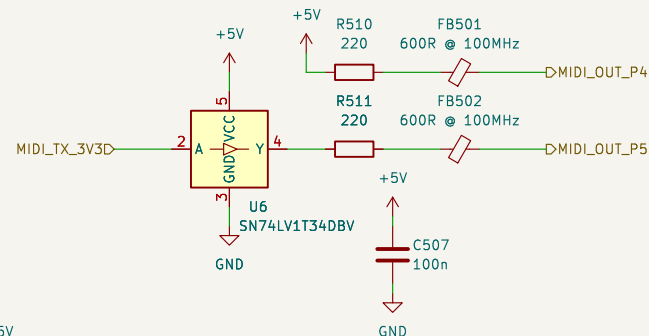
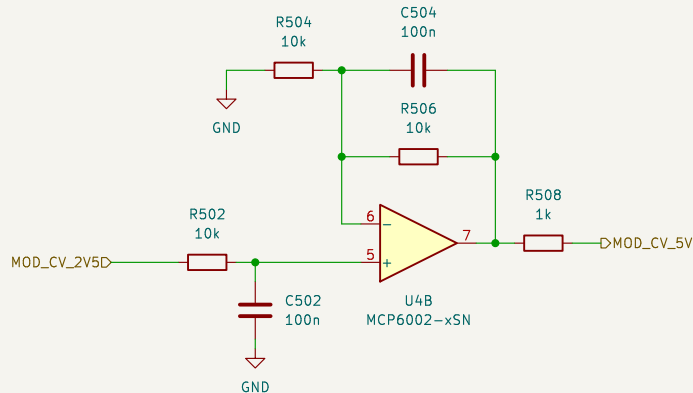
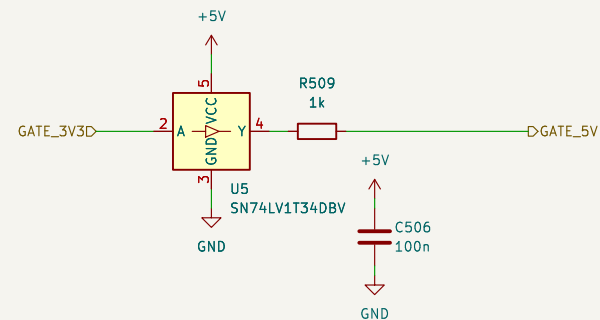
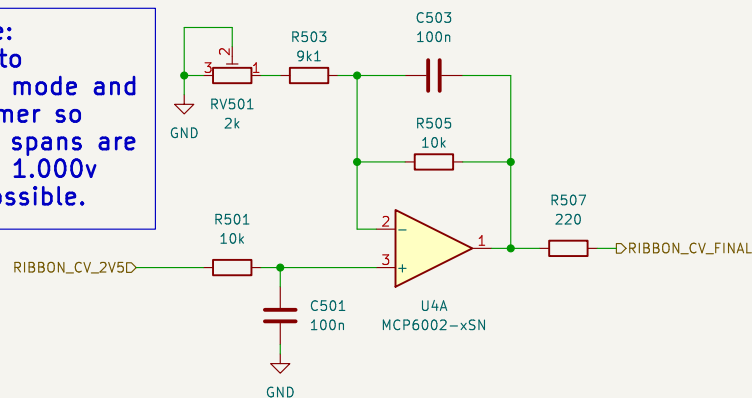
KiCad E.D.A. kicad-cli 7.0.1-2.fc37

Rev: 0

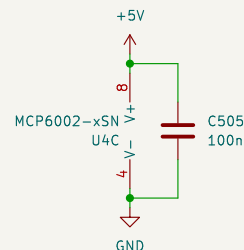
Id: 3/6

Rev: 0
Id: 4/6

To calibrate:
Set ribbon to
"QUANTIZE" mode and
adjust trimmer so
that octave spans are
as close to 1.000v
apart as possible.



Output buffer
opamp is
powered with
5V.



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Sheet: /output_buffers/
File: output_buffers.kicad_sch

Title: Ribbon Controller Main Board

Size: A4 Date: 2023-03-28

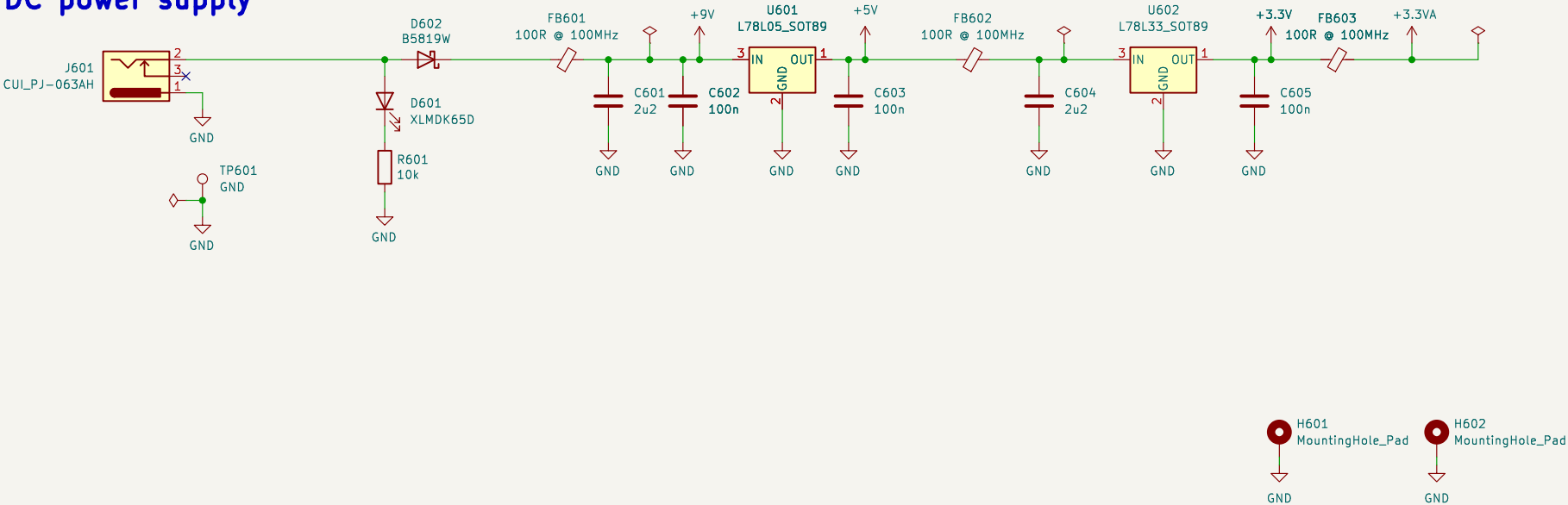
KiCad E.D.A. kicad-cli 7.0.1-2.fc37

Rev: 0

Id: 5/6

9VDC power entry

Use guitar pedal style
DC power supply



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Sheet: /power_supply/
File: power_supply.kicad_sch

Title: Ribbon Controller Main Board

Size: A4 Date: 2023-03-28
KiCad E.D.A. kicad-cli 7.0.1-2.fc37

Rev: 0
Id: 6/6