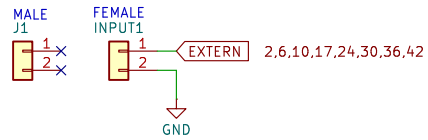
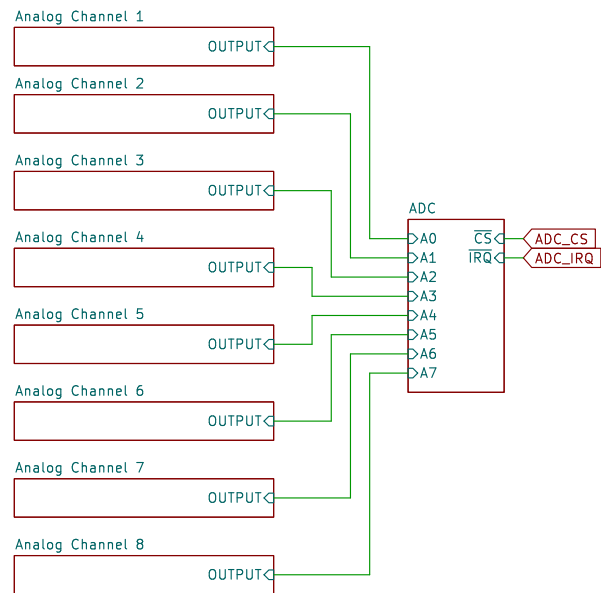


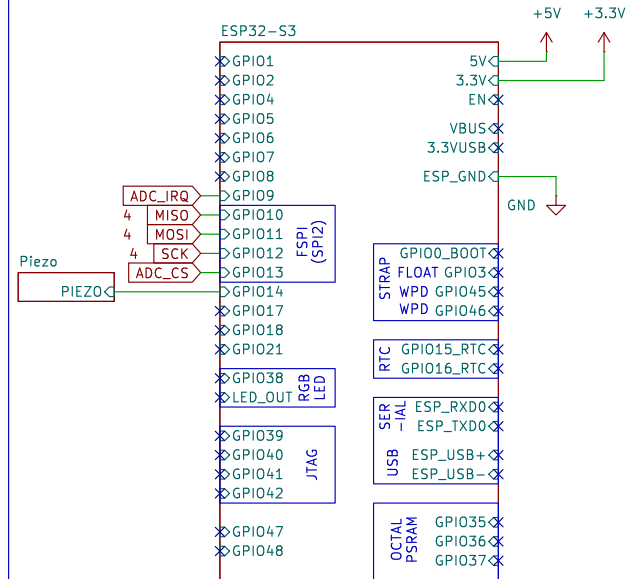
External Voltage Input



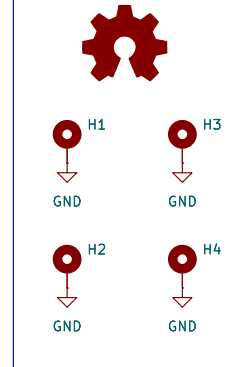
Analog Inputs



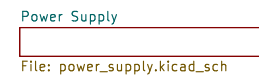
ESP32



Misc



Power Supply



Sheet: /

File: sendit.kicad_sch

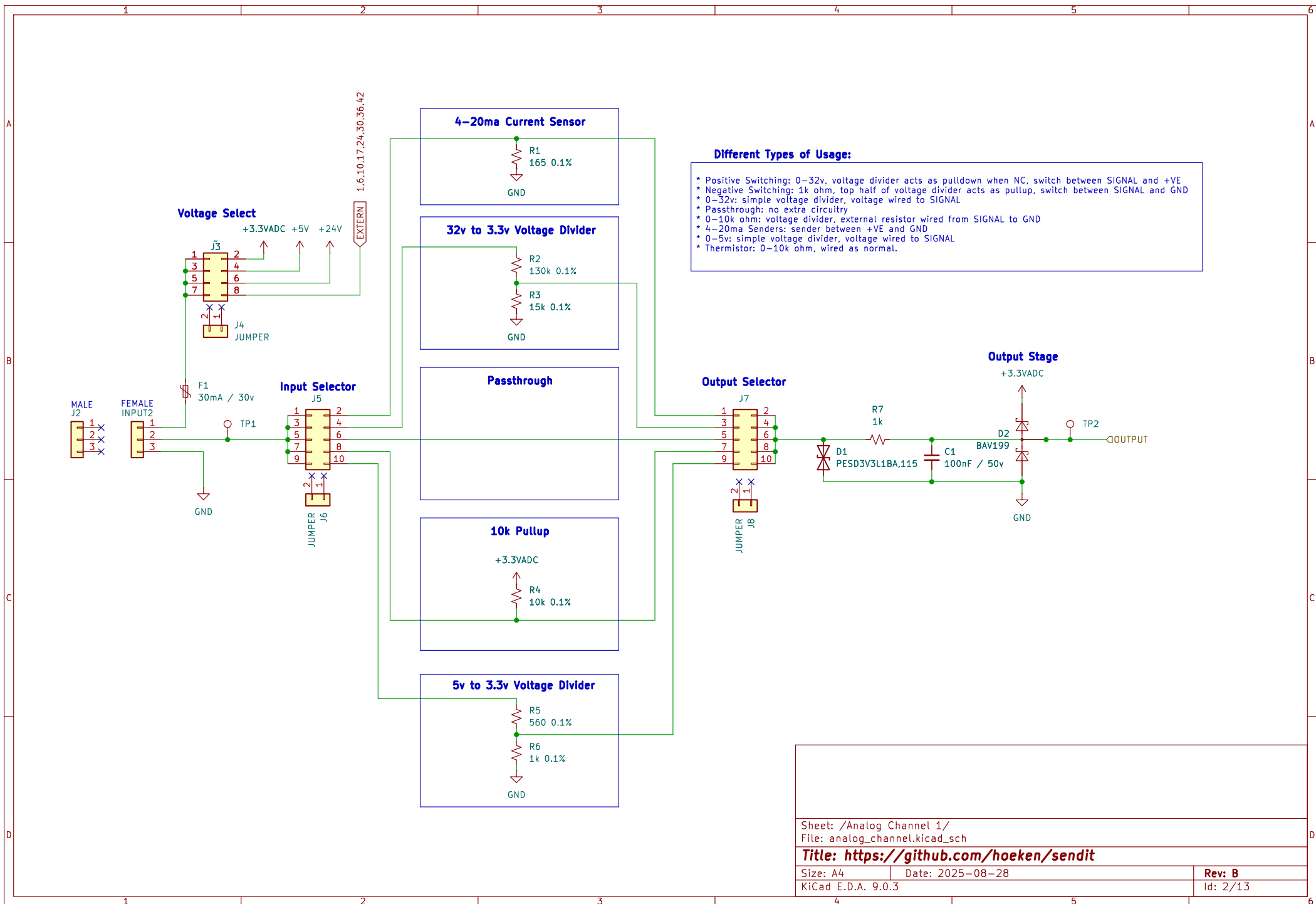
Title: <https://github.com/hoeken/sendit>

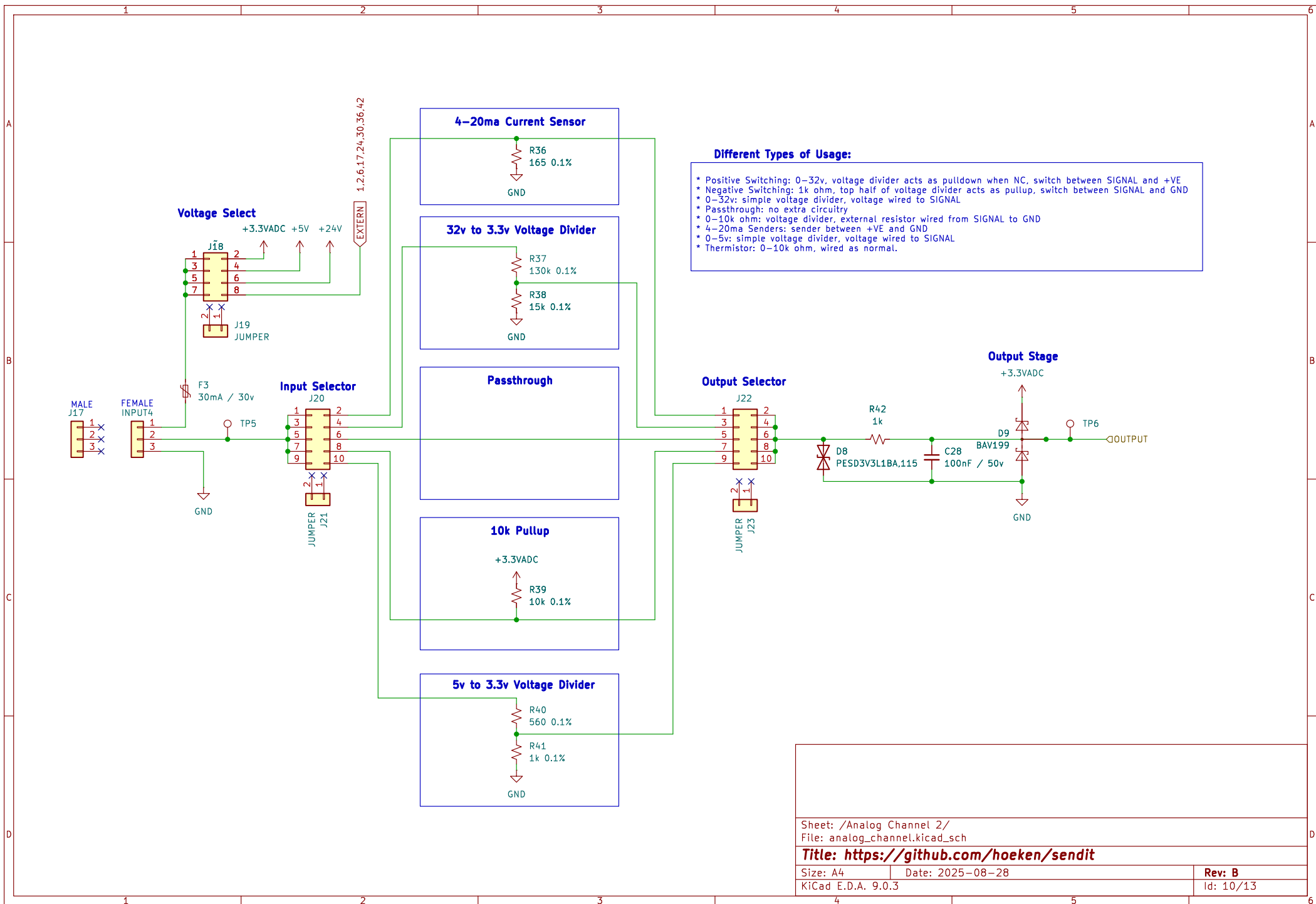
Size: A4 Date: 2025-08-28

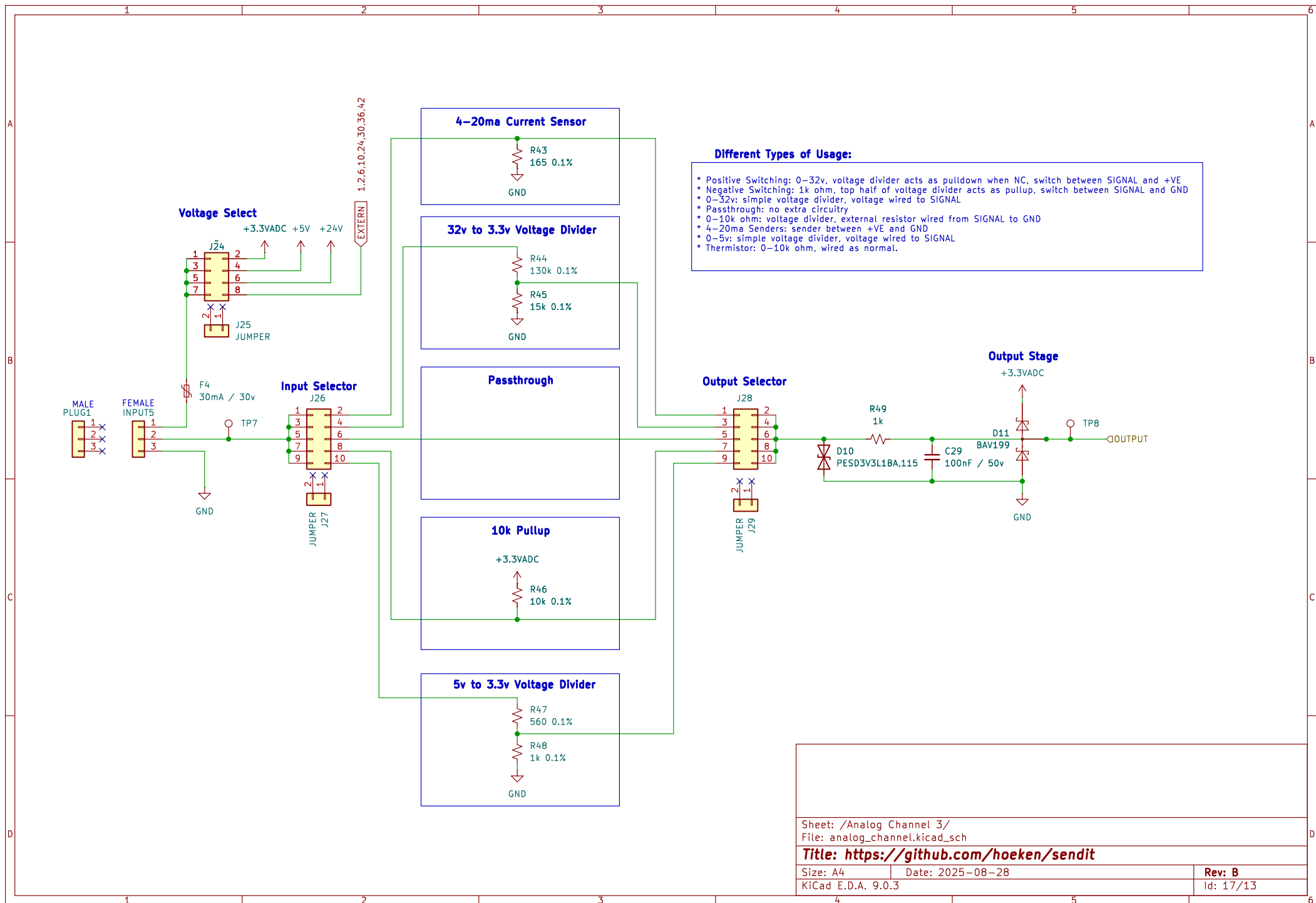
KiCad E.D.A. 9.0.3

Rev: B

Id: 1/13







Sheet: /Analog Channel 3/
File: analog_channel.kicad_sch

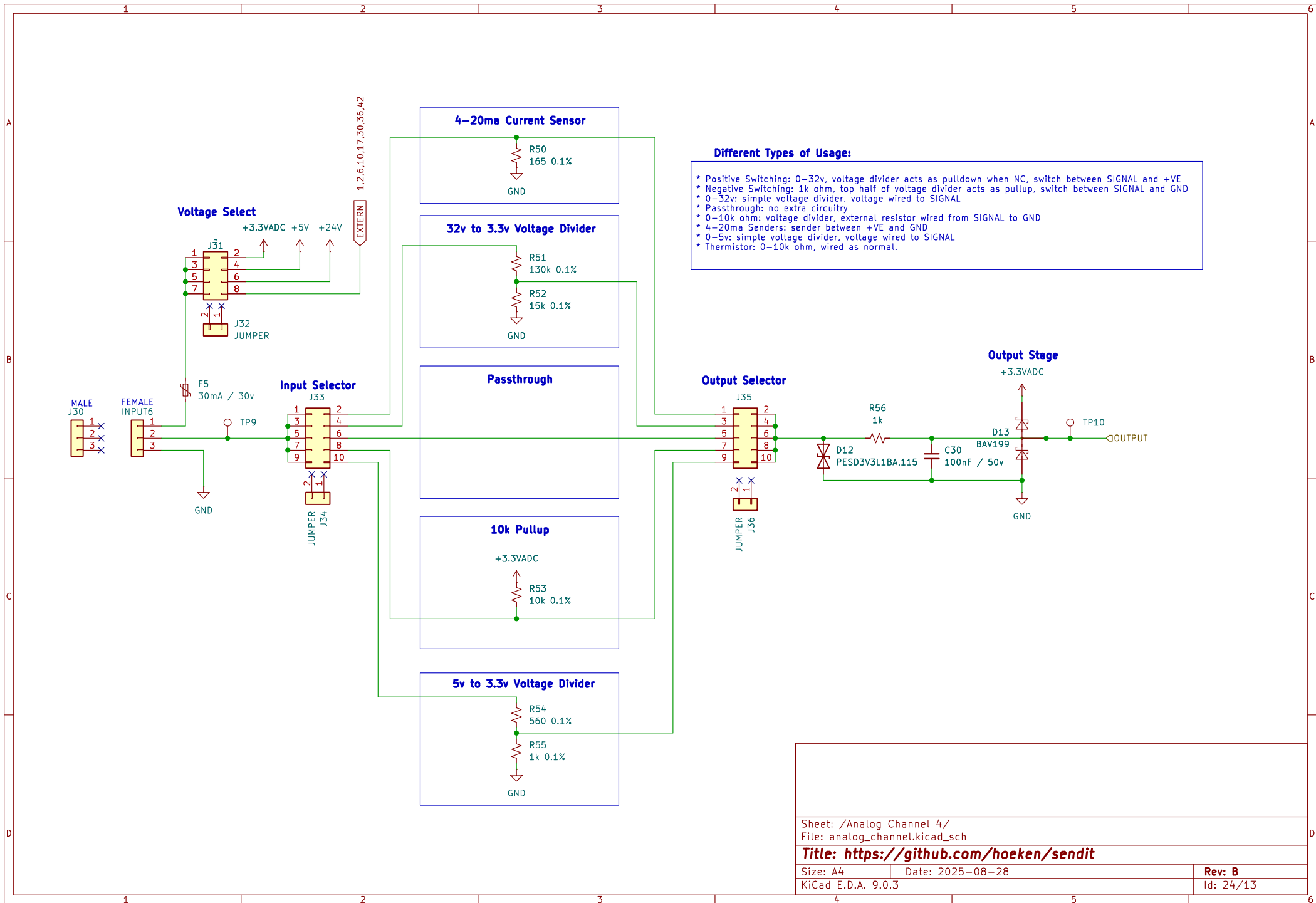
Title: <https://github.com/hoeken/sendit>

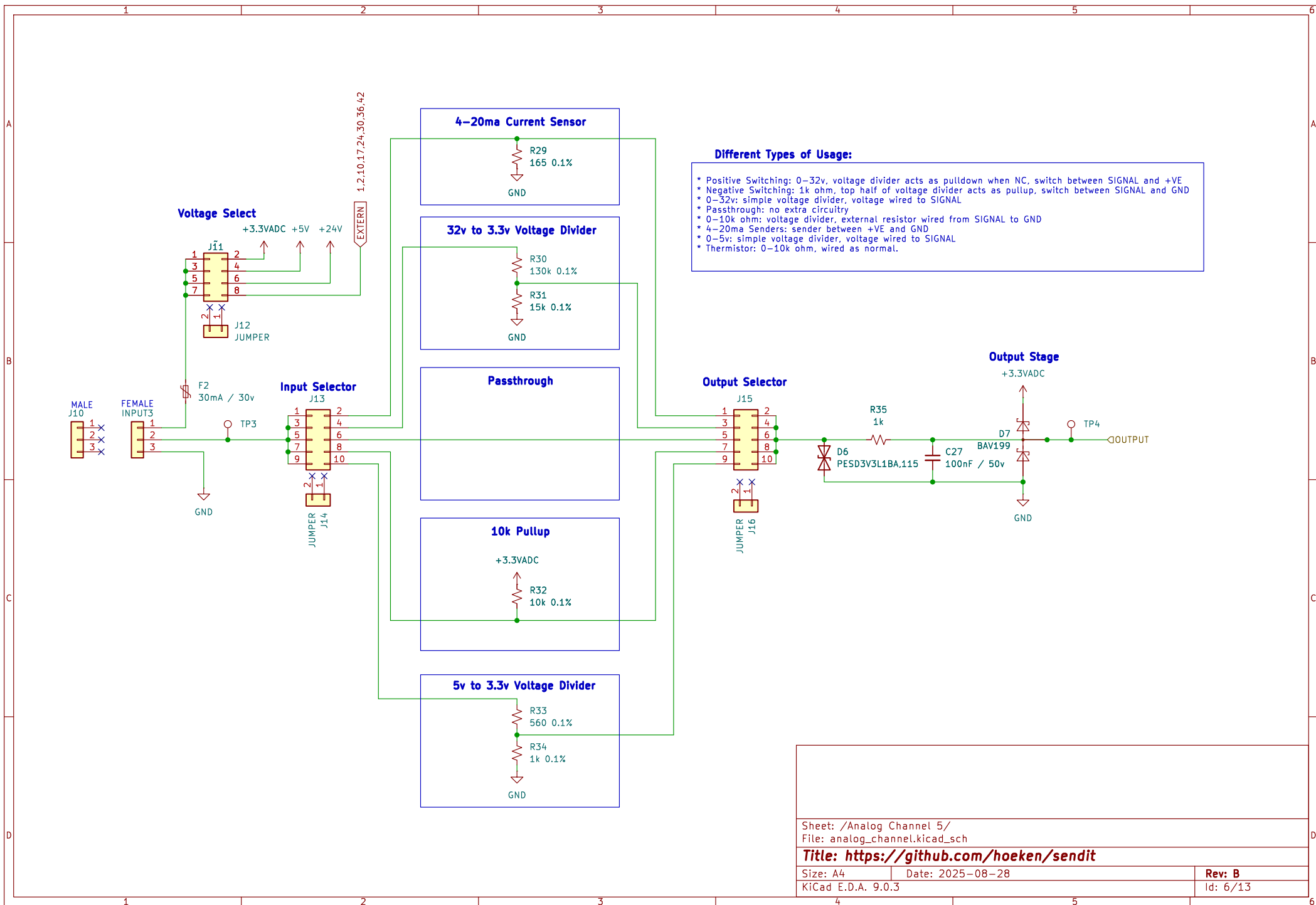
Size: A4 Date: 2025-08-28

KiCad E.D.A. 9.0.3

Rev: B

Id: 17/13





Sheet: /Analog Channel 5/
File: analog_channel.kicad_sch

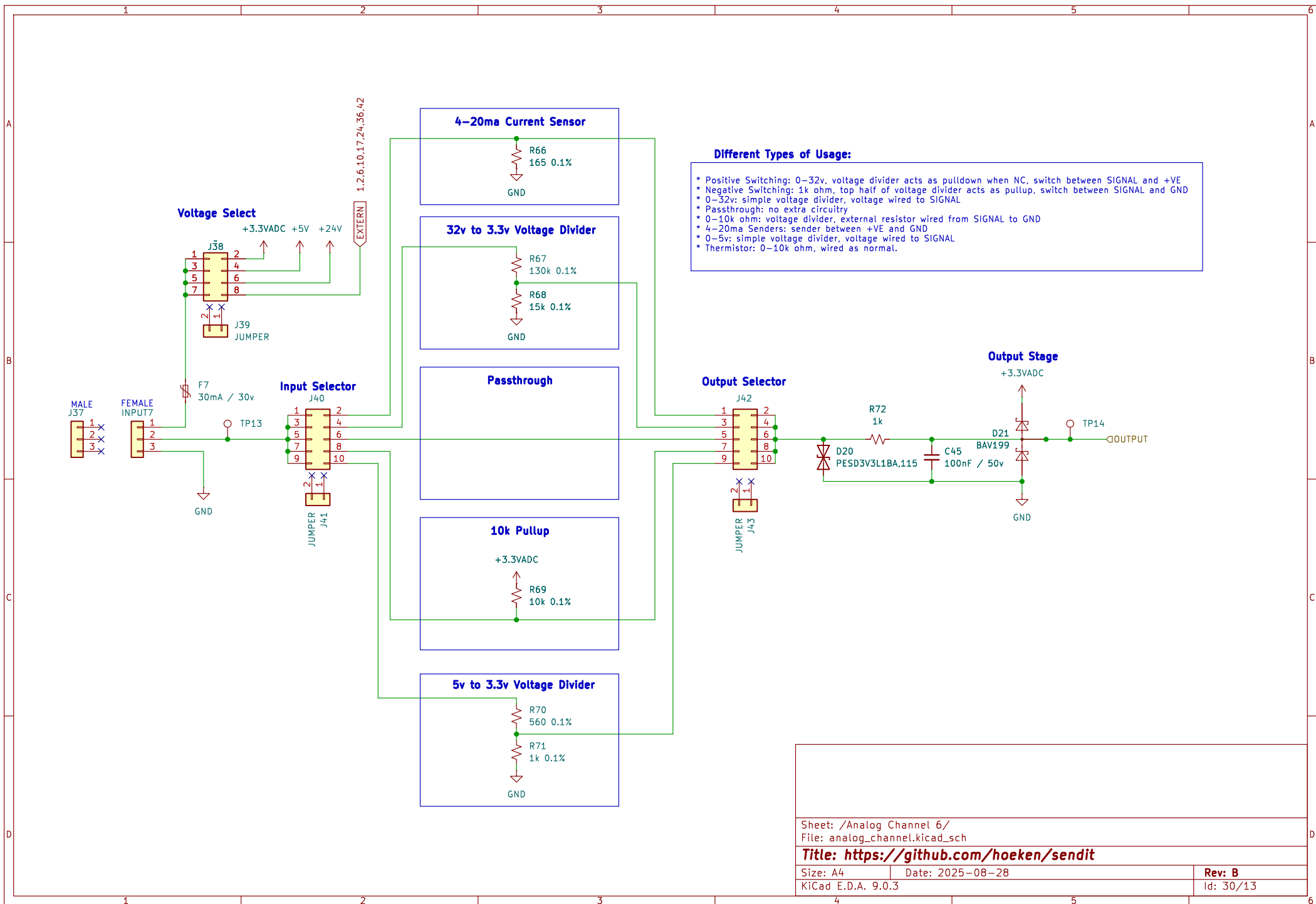
Title: <https://github.com/hoeken/sendit>

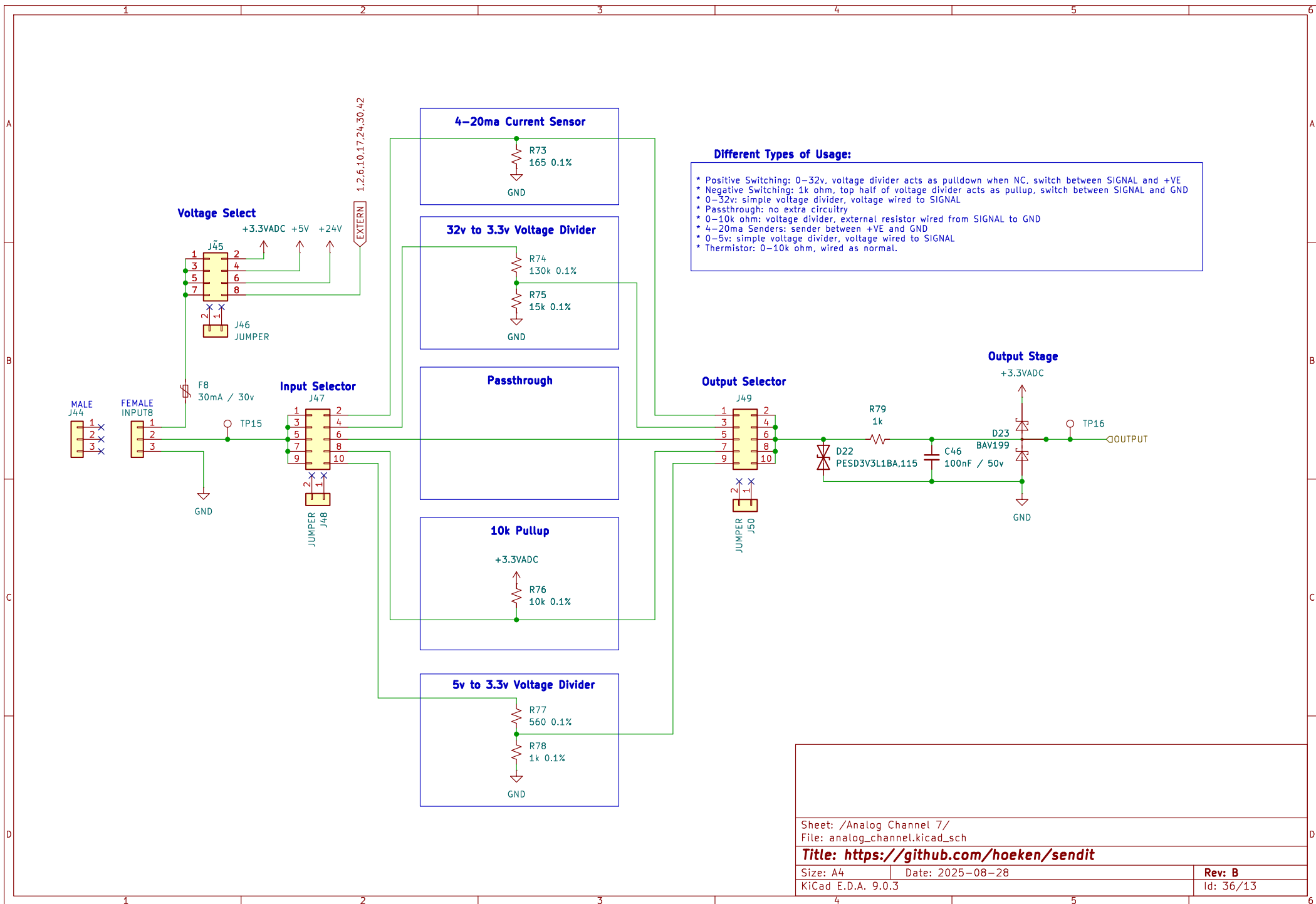
Size: A4 Date: 2025-08-28

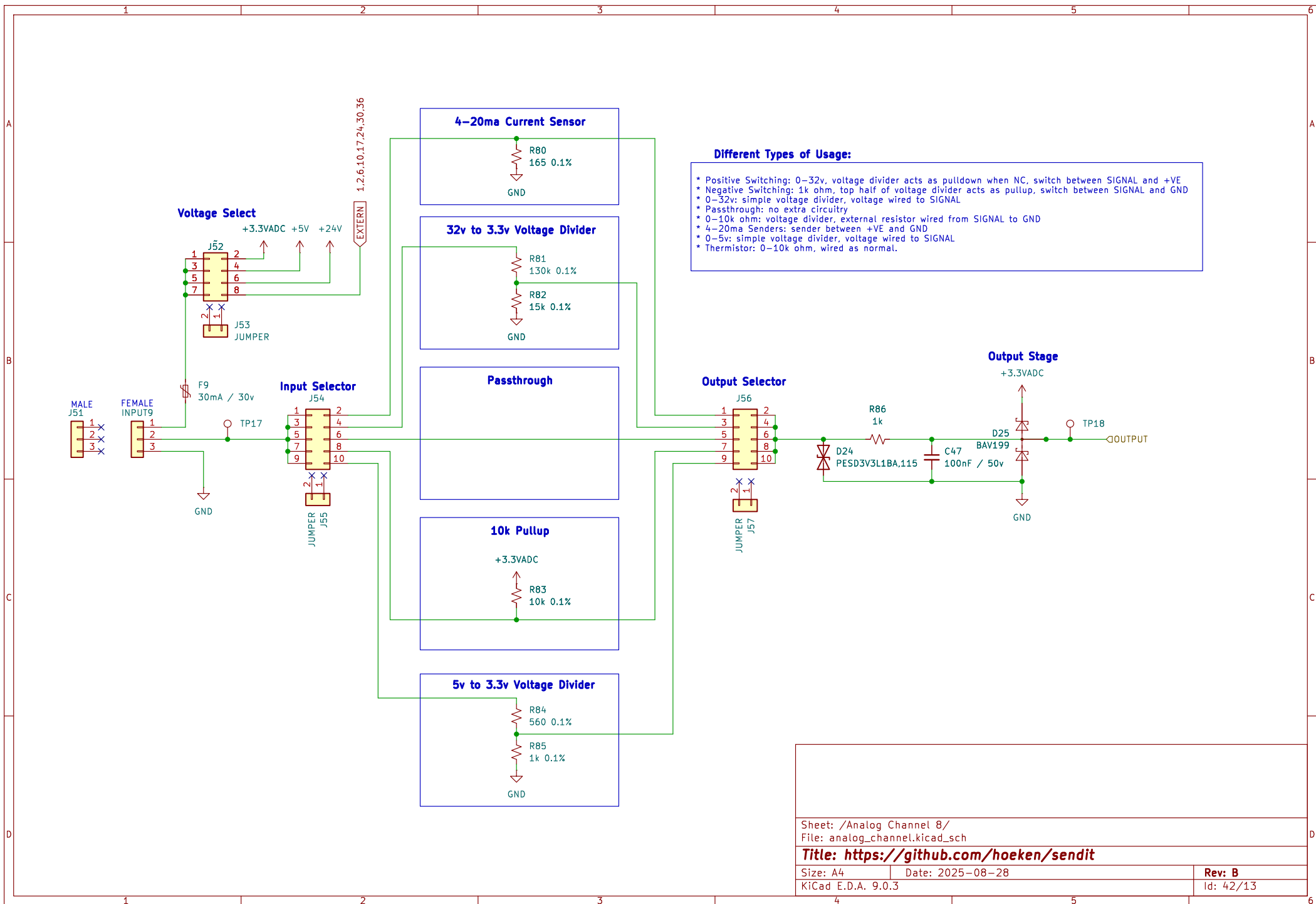
KiCad E.D.A. 9.0.3

Rev: B

Id: 6/13









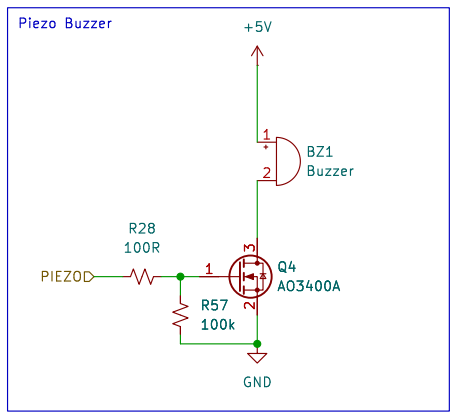
Sheet: /ADC/
File: adc.kicad_sch

Size: A4	Date: 2025-08-28
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KiCad E.D.A. 9.0.3

Rev: B

Id: 4/13



Sheet: /Piezo/

File: piezo.kicad_sch

Title: <https://github.com/hoeken/sendit>

Size: A4

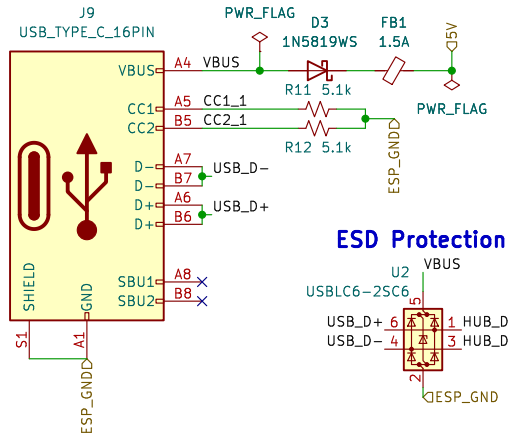
Date: 2025-08-28

Rev: B

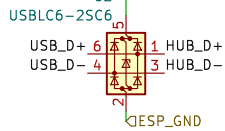
KiCad E.D.A. 9.0.3

Id: 5/13

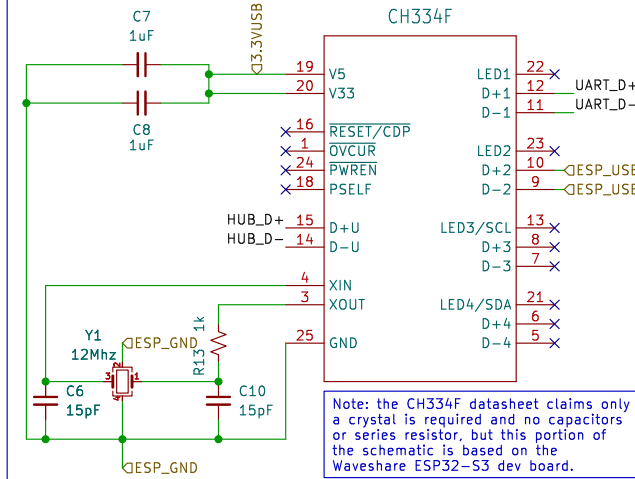
USB PORT



ESD Protection

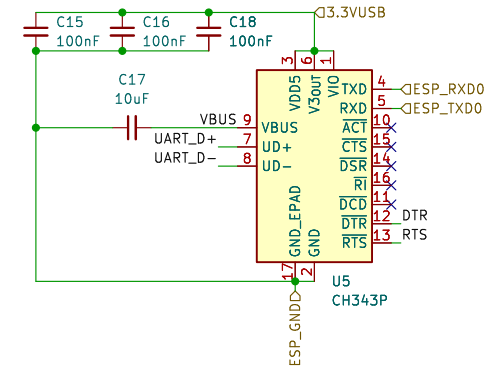


USB HUB

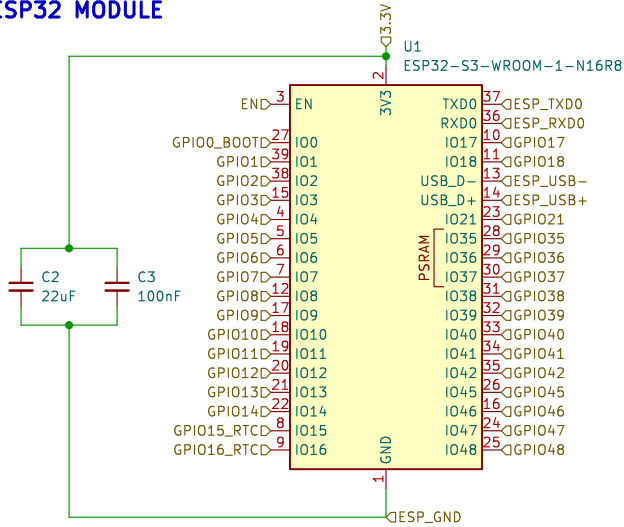


Note: the CH334F datasheet claims only a crystal is required and no capacitors or series resistor, but this portion of the schematic is based on the Waveshare ESP32-S3 dev board.

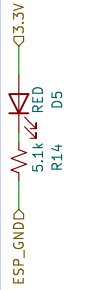
USB TO SERIAL



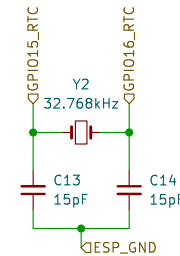
ESP32 MODULE



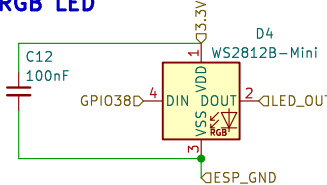
POWER



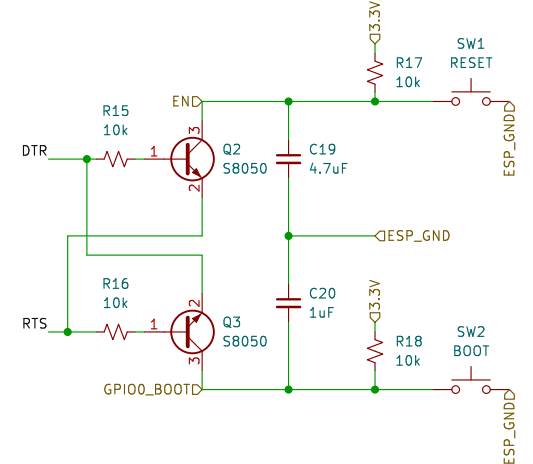
RTC CLOCK



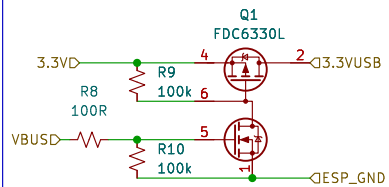
RGB LED



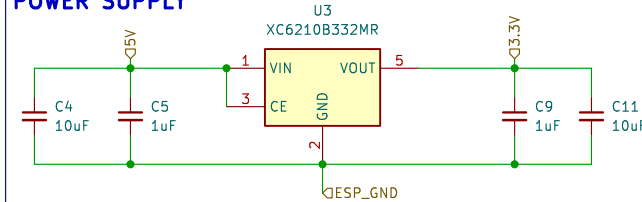
BOOT CONTROL



USB CHIPS POWER SAVER



POWER SUPPLY



Originally forked from: github.com/eggssampler/ESP32-S3-Breakout
Updates based on www.waveshare.com/wiki/ESP32-S3-DEV-KIT-N8R8

Design by Zach Hoeken

Sheet: /ESP32-S3/
File: esp32-s3.kicad_sch

Title: <https://github.com/hoeken/sendit>

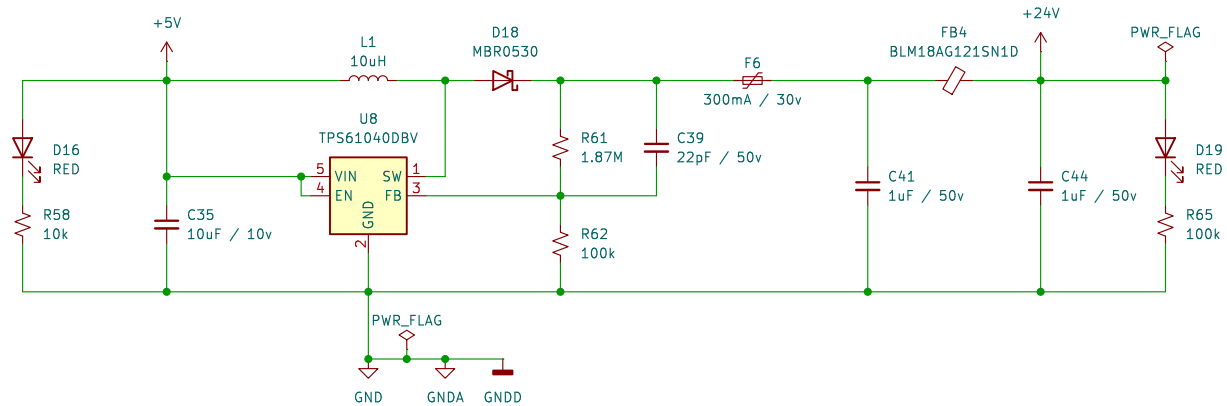
Size: A4 Date: 2025-08-28

KiCad E.D.A. 9.0.3

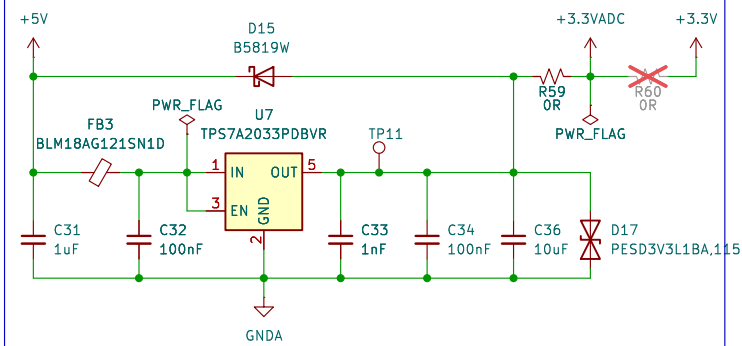
Rev: B

Id: 3/13

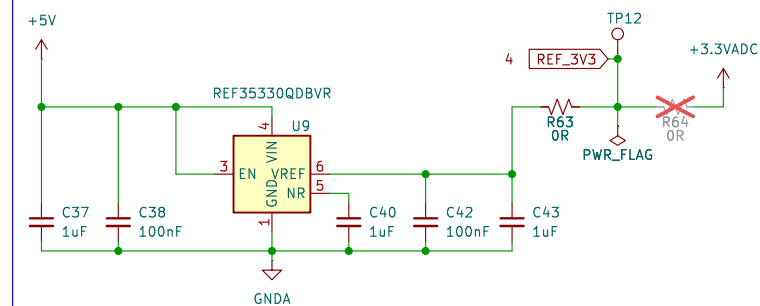
5V to 24V Boost Converter



ADC Power Supply



ADC Reference Voltage Circuit



Sheet: /Power Supply/
File: power_supply.kicad_sch

Title: <https://github.com/hoeken/sendit>

Size: A4 Date: 2025-08-28

KiCad E.D.A. 9.0.3

Rev: B

Id: 27/13