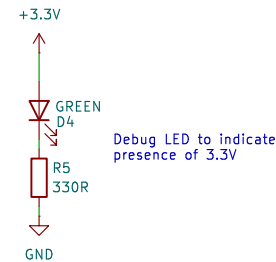
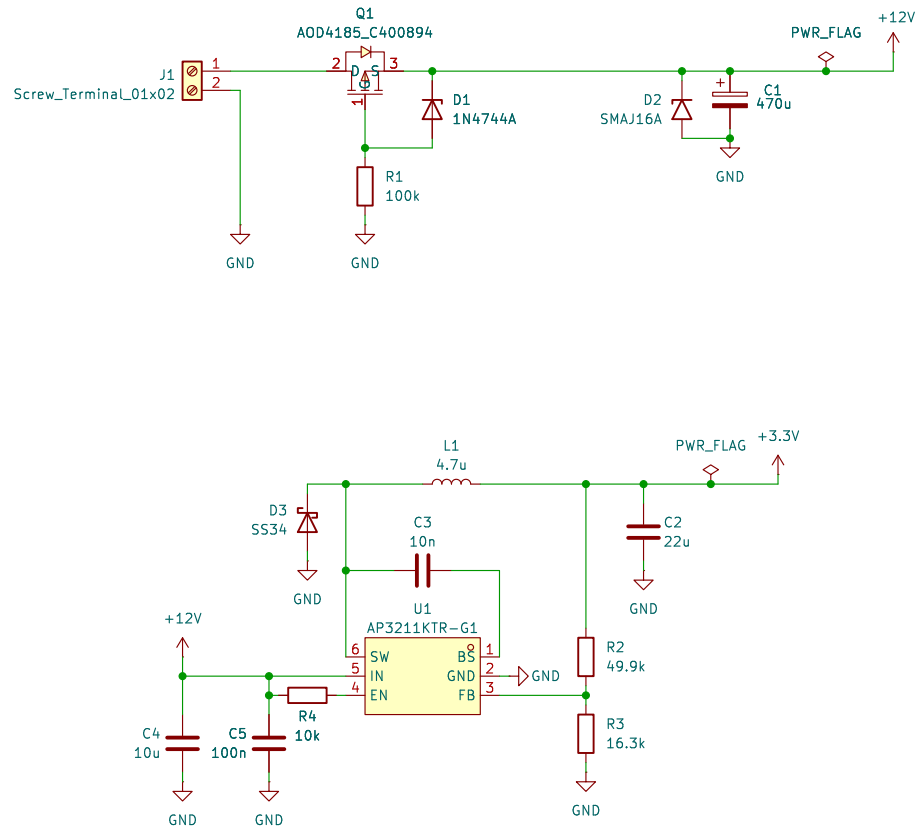
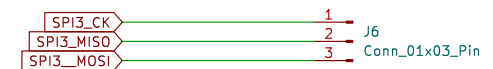
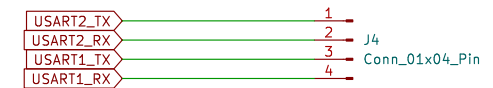
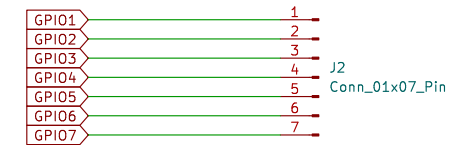


POWER SUPPLY



EXPANSION HEADERS



Name: Simon Craig DANIEL
 Student Number: 25848887
 Department of Mechanical and Mechatronics Engineering
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Sheet: /Power Supply and Expansion Headers/
 File: PowerSupply.kicad_sch

Title: Power Supply and Expansion Headers

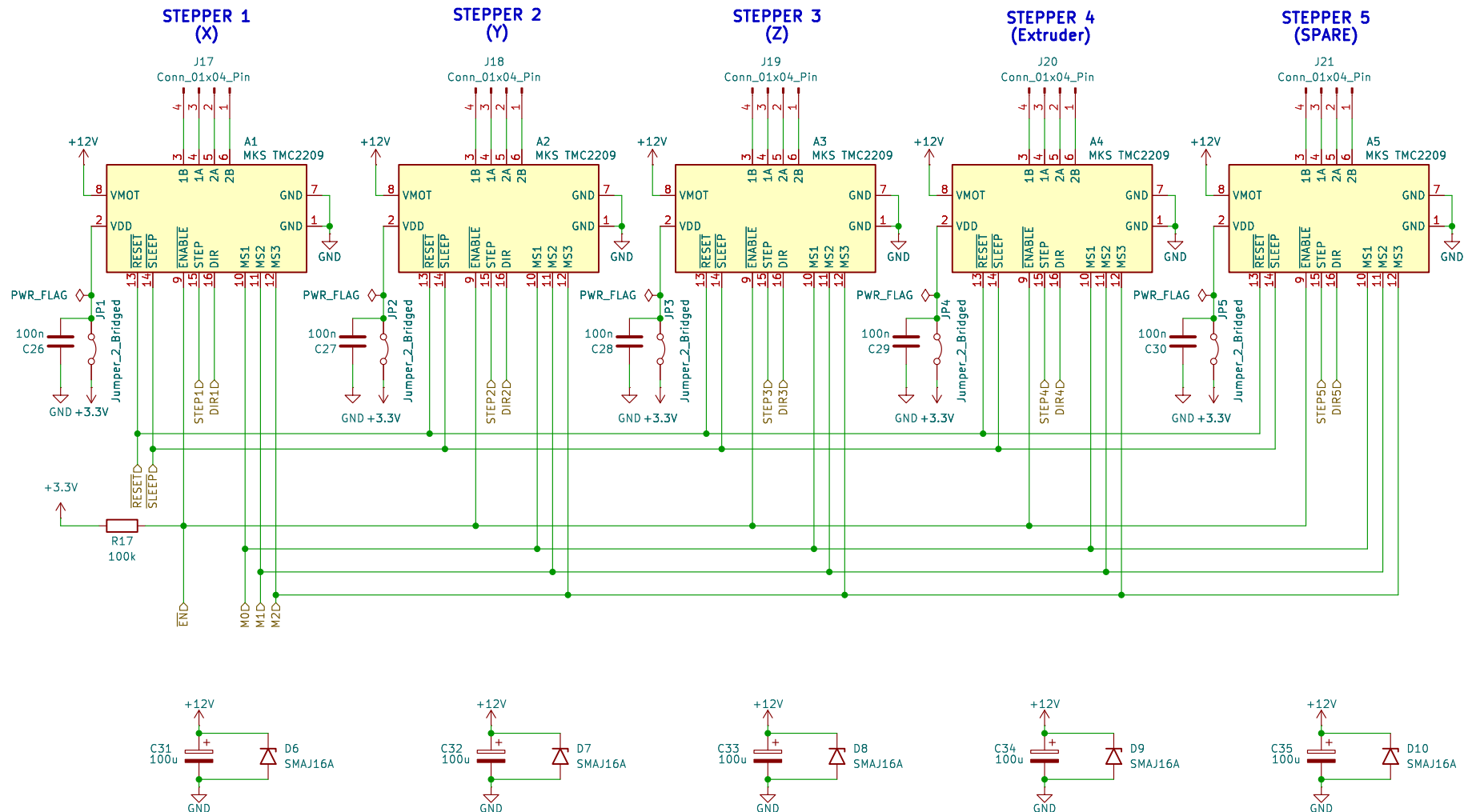
Size: A4 Date: 2025-07-01

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Rev: 0.1

Id: 2/5

DRIVERS



Note: In the event that the MKS TMC2209 are unable to be procured, cheap available alternatives such as the A4988 and DRV8825 drivers can be used. If these alternatives are used, then RST and SLP pins will need to be pulled high using a spare GPIO or with the 3.3V source and the M2 pin will need to be connected to a spare GPIO pin for microstep setting selection. Solder connection points must therefore be included for these pins on the PCB to accommodate this potential need.

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Sheet: /Stepper Drivers/
File: Stepper.kicad_sch

Title: Stepper Drivers	
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