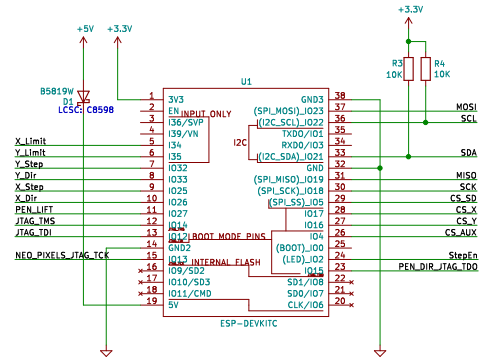
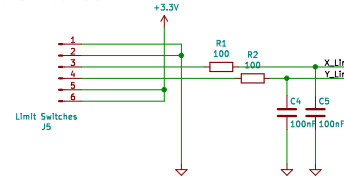


ESP32 Module

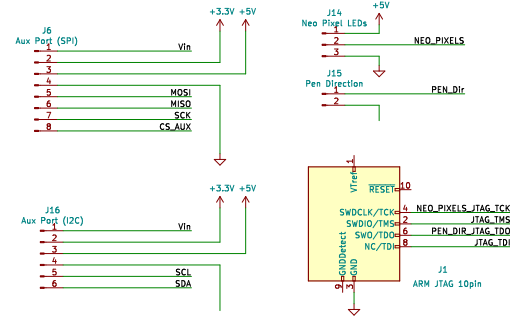
Moved X_Limit and Y_Limit to Input only pins (GPIO34/35) from (GPIO32/GPIO4) respectively.



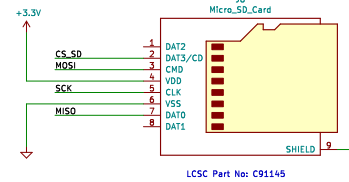
Limit Switches



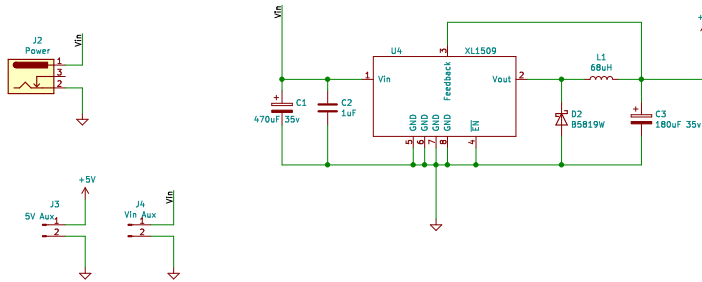
Auxiliary Ports (JTAG, SPI, I2C, NeoPixel, Pen (Spindle) Direction)



Micro SD Card Socket

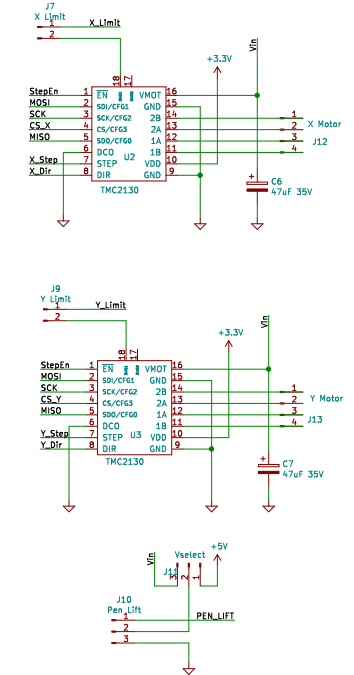


Power



Replace the power circuit with something available from Jlcpcb (TI TPS54331 maybe? 25cents each...
XL1509-5.0E1 (20 cents each - fixed 5v)

Stepper motor Drivers



Schematic

Sheet: /
File: ESP32_Plotter_Controller.sch

Title: **ESP32 Pen Plotter Controller**

Size: User Date: 2021-01-31
KiCad E.D.A. Kicad (5.1.9)-1

Rev: 0.1
Id: 1/1