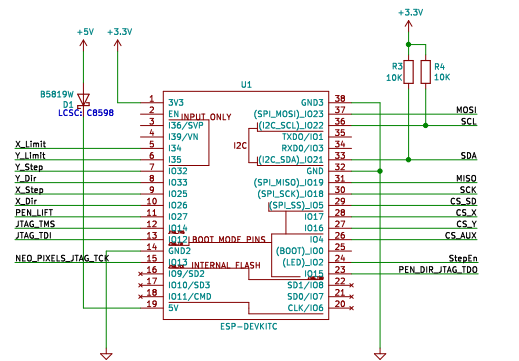
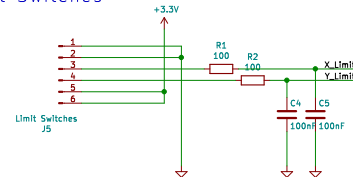


ESP32 Module

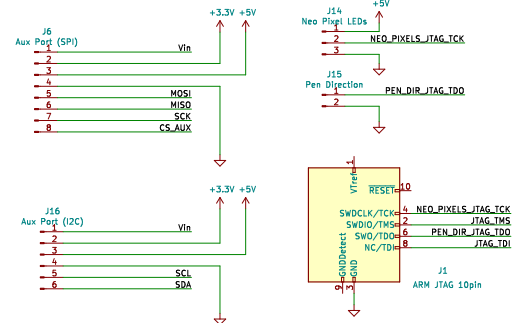
Moved X_Limit and Y_Limit to Input only pins (GPI034/35) from (GPI032/GPI04) respectivley.



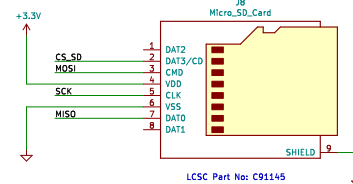
Limit Switches



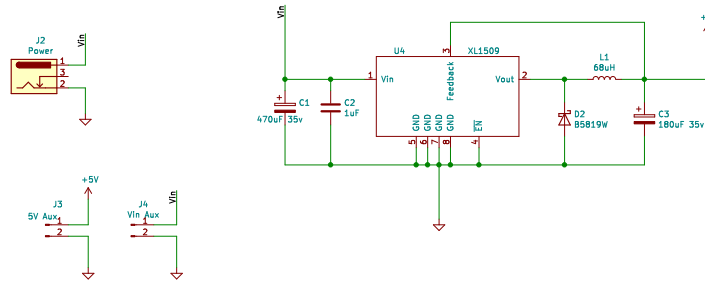
Auxiliary Ports
(JTAG, SPI, I2C, NeoPixel, Pen (Spindle) Direction)



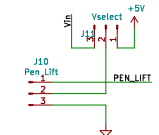
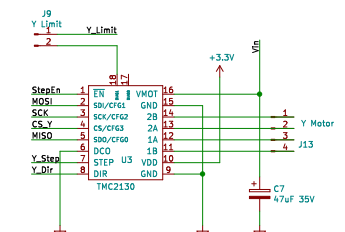
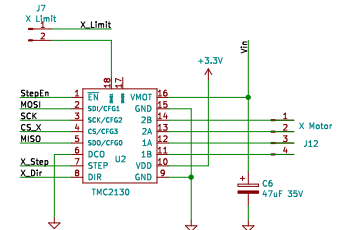
Micro SD Card Socket



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

ESP32 Plotter Controller
Design by Mark Benson github.com/markjb/<repo_name>
Based on Bart Drings ESP32 Pen Plotter Controller
https://github.com/bdring/Grbl_ESP32_TMC2130_Plotter_Controller

Sheet: /			
File: ESP32_Plotter_Controller.sch			
Title: ESP32 Plotter Controller			
Size: User	Date: 2021-02-20	Rev: 0.1	
KiCad E.D.A. kicad	(5.1.9)-1	Id: 1/1	