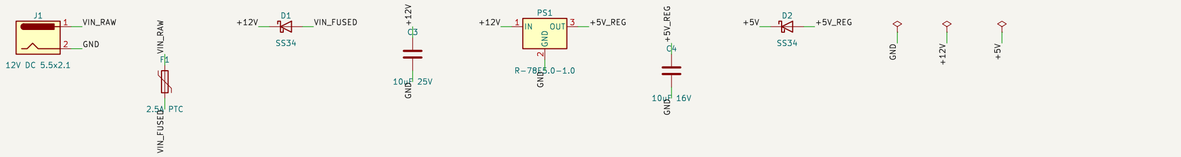
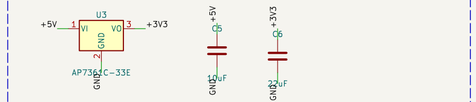
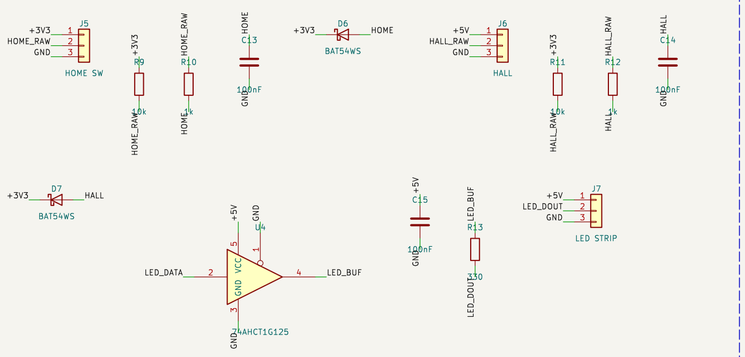
POWER INPUT 12V -> 5V



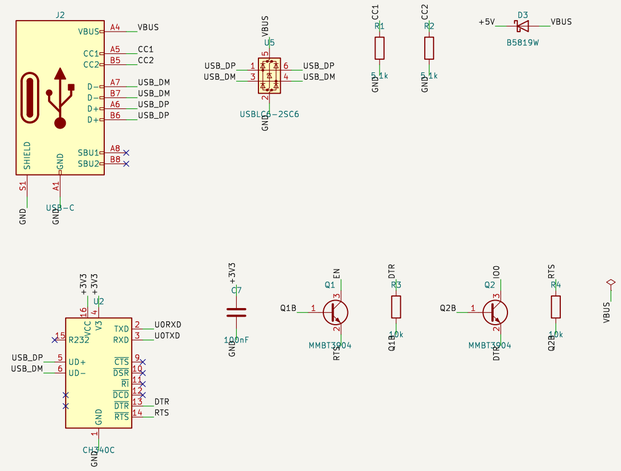
3.3V



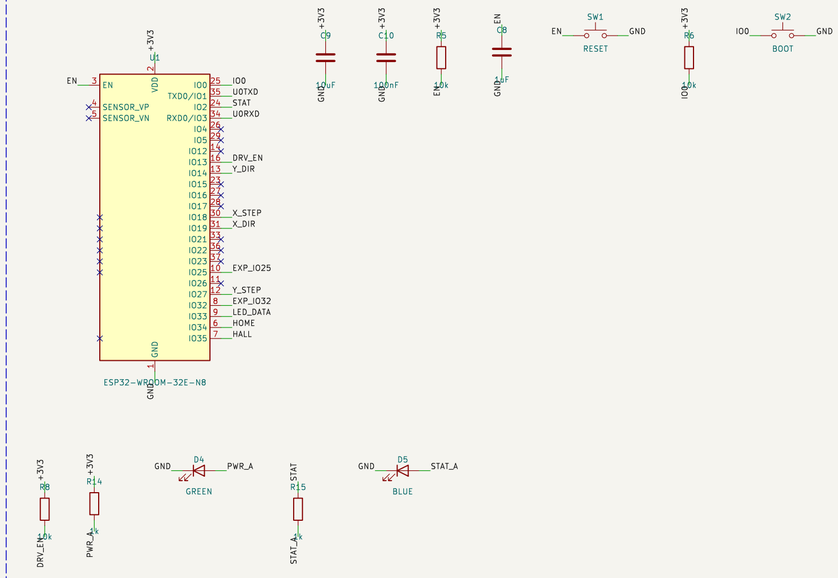
SENSORS / LED / EXPANSION



USB-C + USB-SERIAL + AUTO-RESET



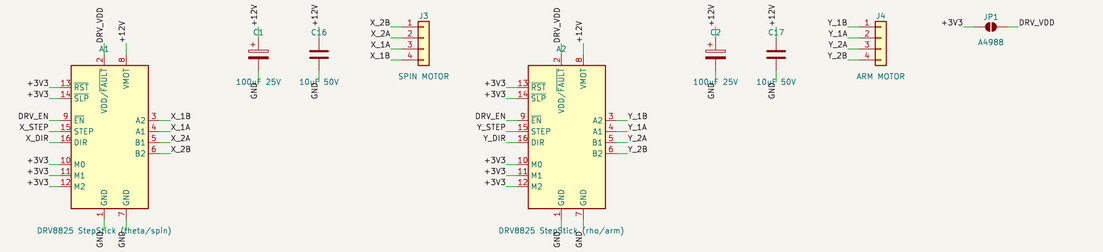
ESP32



MOUNTING (Arduino Uno pattern)



STEPPER DRIVERS (DRV8825, 1/32 step: M0-M2, RST, SLP tied high; JP1 bridged only for A4988)



EXPANSION



Drop-in for the Arduino+CNC shield bay in the sand table (Uno hole pattern)
ESP32-WROOM-32E (FluidNC) + 2x DRV8825 StepStick, 12V in

lazypugs

Sheet: /
File: sandtable-controller.kicad_sch

Title: SandTable Controller

Size: A2	Date: 2026-10-22	**Rev: 0.4**
KiCad E.D.A. 9.0.7		Id: 1/1