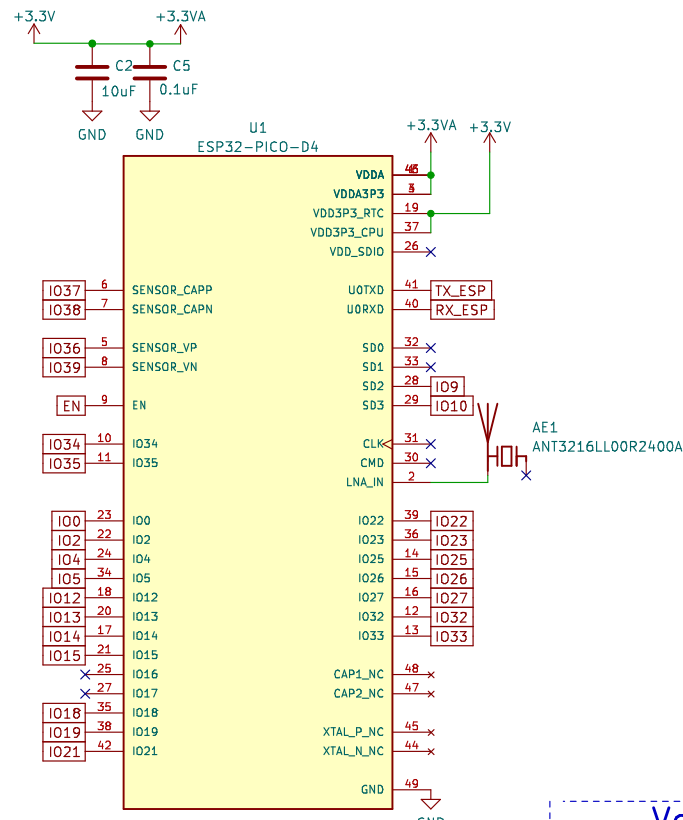
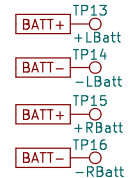


SOC

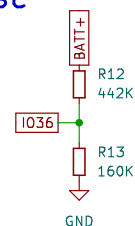


ESP32-PICO-D4 Datasheet:
"Pins IO16, IO17, CMD, CLK, SD0 and SD1 are used to connect the embedded flash, and can not be used for other purposes. For details, please see Section 6 Schematics."

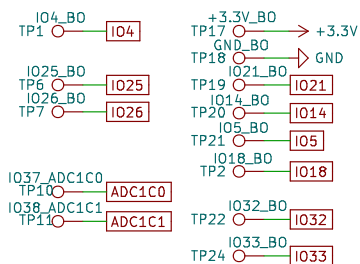
Battery Terminals



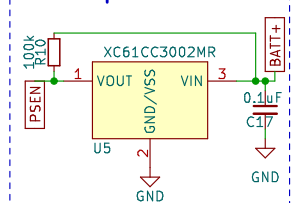
Battery Voltage Sense



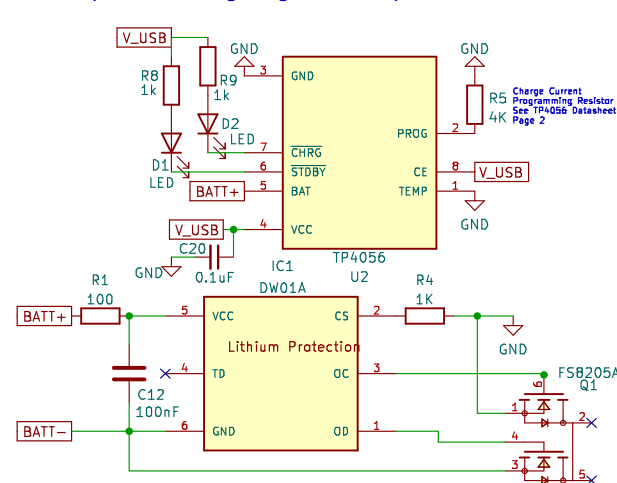
Breakout



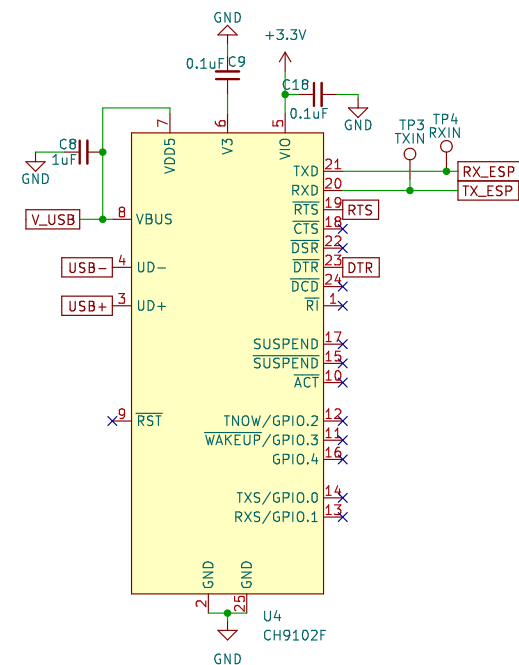
Voltage Supervisor



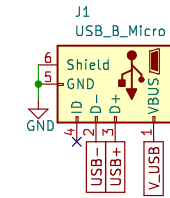
Lipo charging and protection



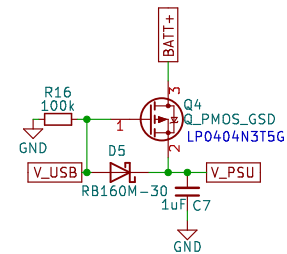
Programming



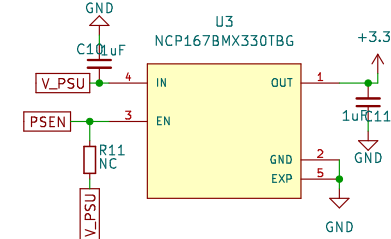
USB



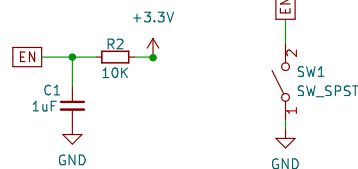
Power Supply Switching



Power Supply Regulator

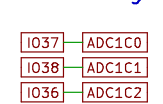


Reset

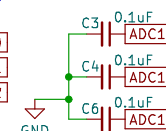


ADC

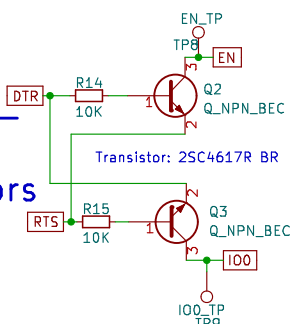
GPIO Assign



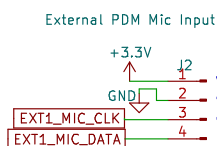
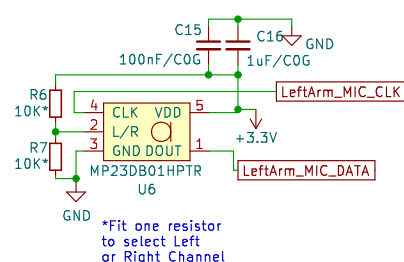
Filters



Program- ming Transistors



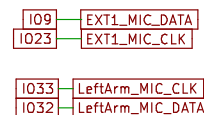
Microphone



Compatible 1mm pitch Connectors - middle key:
* 665104131822 DigiKey: 732-6096-1-ND A\$1.33/50
* 1734709-4 DigiKey: A99957CT-ND A\$1.38/10
* C145956 LCSC: C145956 A\$0.10/47
* 1.0-4PWB LCSC: C2905006 A\$0.06/10

Compatible Microphones:
* MP23DB01HPCT Digikey: 497-MP23DB01HPCT-ND A\$2.75/10
* MP23DB01HPTR Mouser: 511-MP23DB01HPTR A\$2.62/10
* GMA3526H10-B26 LCSC: C498192 A\$1.33/10

Breakout



License: MIT
Design: Cayden Pierce, Nicholas Gray, Paul Hamilton
Team Open Smart Glasses
Sheet: /
File: OSSG_v0p3.kicad_sch

Title: Open Source Smart Glasses v0.3

Size: A3 Date: 2022-05-14
KiCad E.D.A. kicad 6.0.7-f9a2dced07-116-ubuntu22.04.1

Rev: 0.3
Id: 1/1