11/12/23

Griffin Rzonca

Audio Board Soldering

Have: All Resistors, all Caps, Op-Amp (U1), Comparator (U2), Opticoupler (TLP250 - U3), ESP-32 (U6)

Need: Voltage Regulator (U4 - 7805), 3.3V Regulator (U5 - ap2112k)

Power Board 11/13/23 Test Results:

Resonance to be 281.2kHz

Going Into coil - 470mA RMS, 6V RMS

Output is 50V peak-peak

When it goes through secondary it’ll be around 50kV

Things we still need to add: 2 buttons, NPN (SS8050g), All Headers (pins), ESP32, R9 (100 Ohm pot)