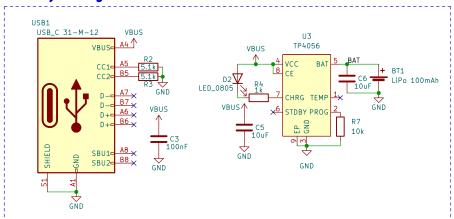
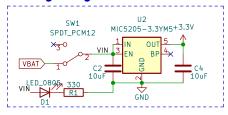
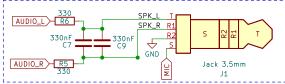
Battery charger



Voltage regulator

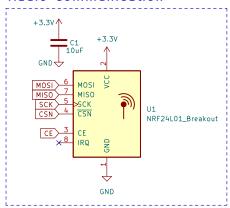


Audio output

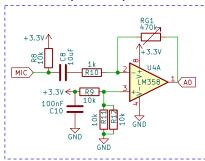


Mandatory low pass filter.
Using R=330 and C=330n sets cutoff frequency at 1.4kHz
Filters pwm high frequency and allows human voice frequencies

Radio communication

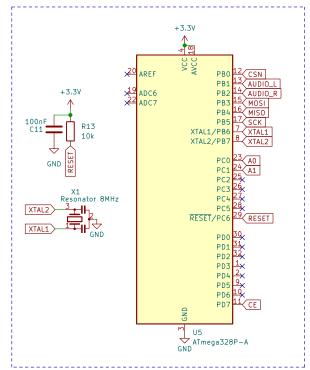


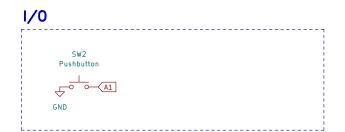
Audio imput amplifier



RG1 sets gain for microphone (Gain = RG1/1000) Typical gain for a headphone mic is 470 For capsule microphone values might be lower around 100

Microcontroller ATMEGA328P 3.3v 8MHz





Detective Boys walkie talkie v1.1 (28/06/2022)

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