Unplug your power when adjusting components!

Flat side of the 2N2222 transistor faces towards you

Check your connections! Components must fit tightly

Github Reference Guide

black wire = ground, — **blue** wire = connector

red wire = power, +

9v

10k pot

100k pot

10k pot

+9V

Frequency Knob

R1
10 kΩ

R2
470 Ω

C1
22uF

Q1
2N2222

1

2

3

R5
4.7 kΩ

LED 1
RED

Filter Knob

R3 100k

C2
4.7nF

2

3

1

Q2
2N2222

Volume Knob

R4
10 kΩ

R6
4.7 kΩ

C3
3.3uF

J1

Audio Out

R2
470 Ω

R5
4.7 kΩ

Q1 & Q2
2N2222

Collector
3
Base
2
1
Emitter

E B C

C1
22uF

472

C2
4.7nF

C3
3.3uF

R1 - 10 kΩ
R3 - 100 kΩ
R4 - 10 kΩ

LED 1
RED

+9V
battery

J1
Audio Out
Headphone Jack