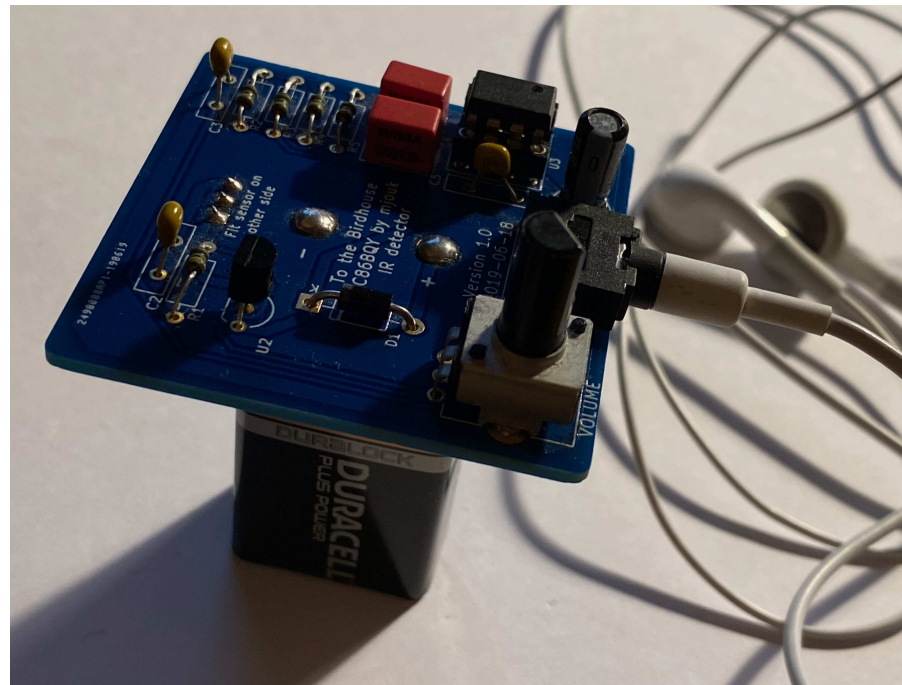


# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

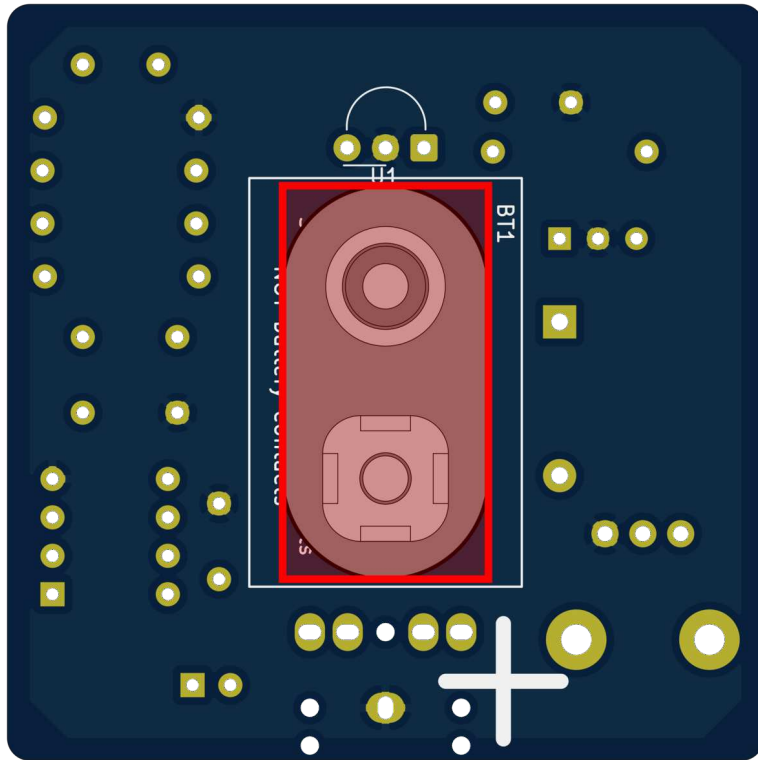
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# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the battery connector  
to the back of the PCB.

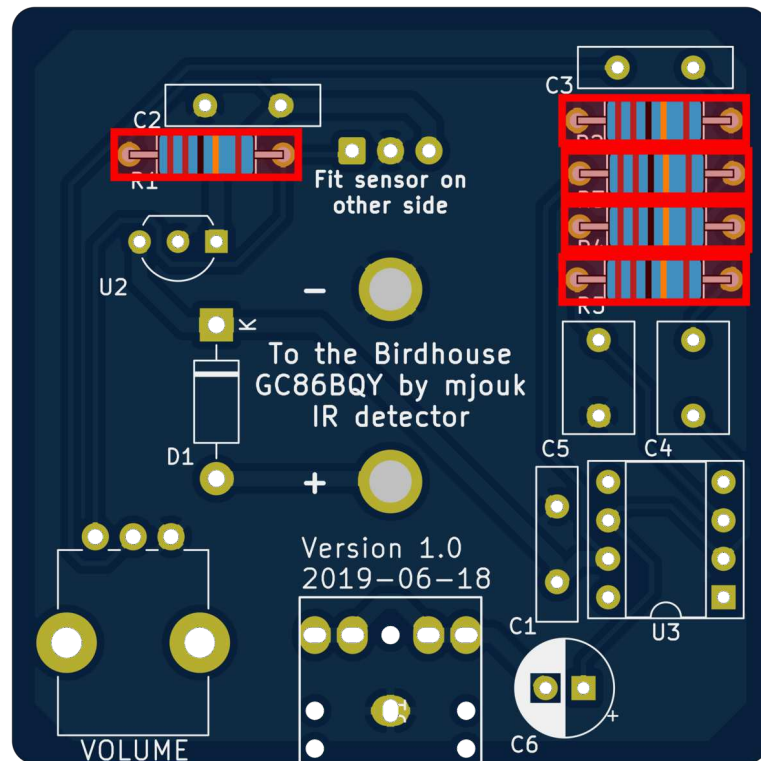


Step 1 of 12

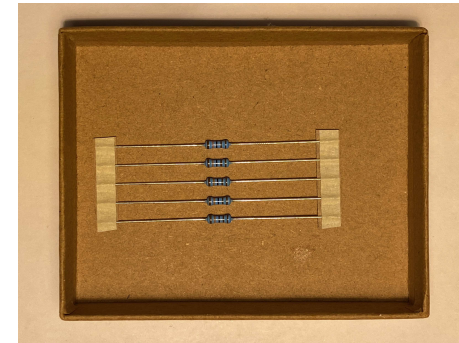
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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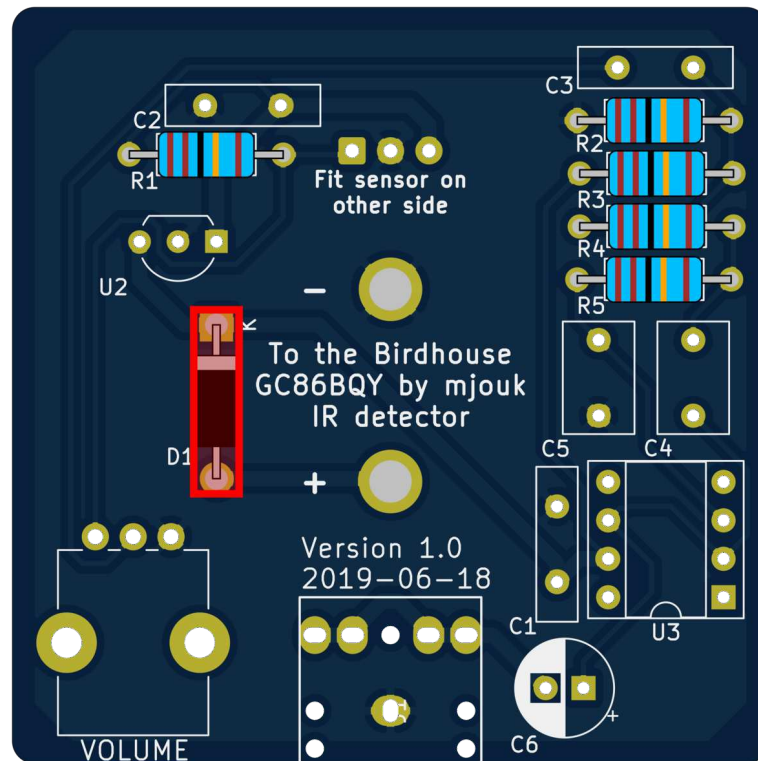
Solder the 5 resistors to the front of the PCB.



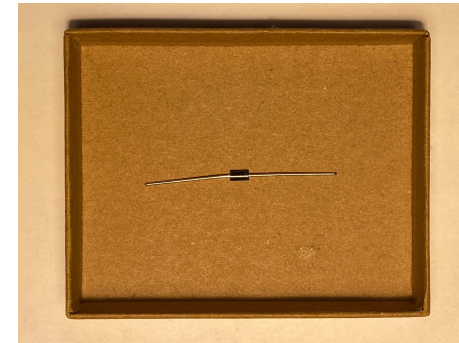
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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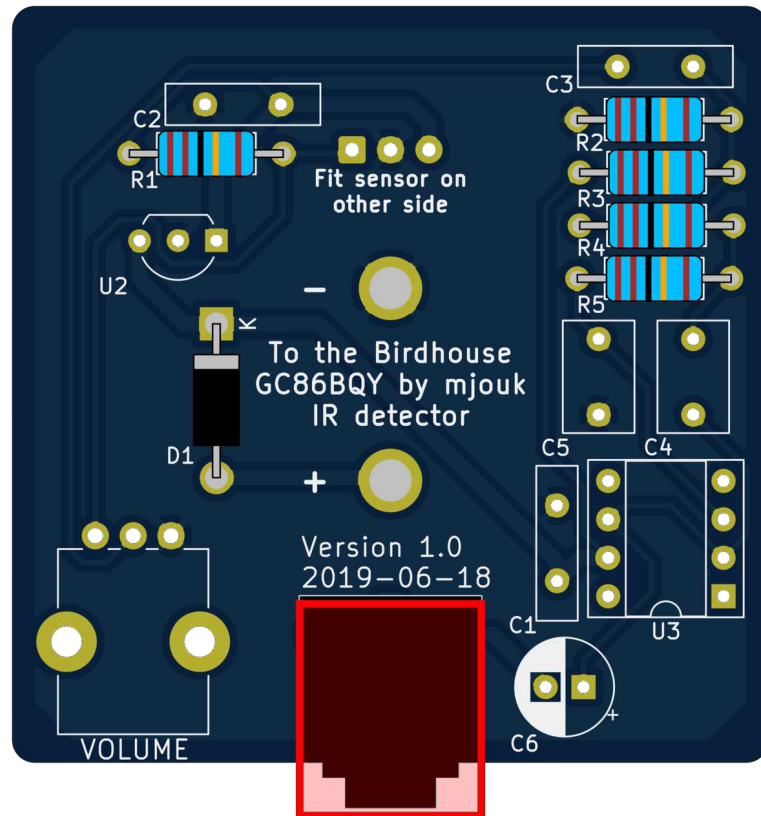
Solder the diode, being careful about the orientation.



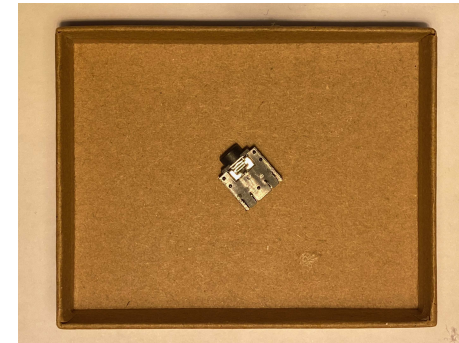
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the headphone socket.

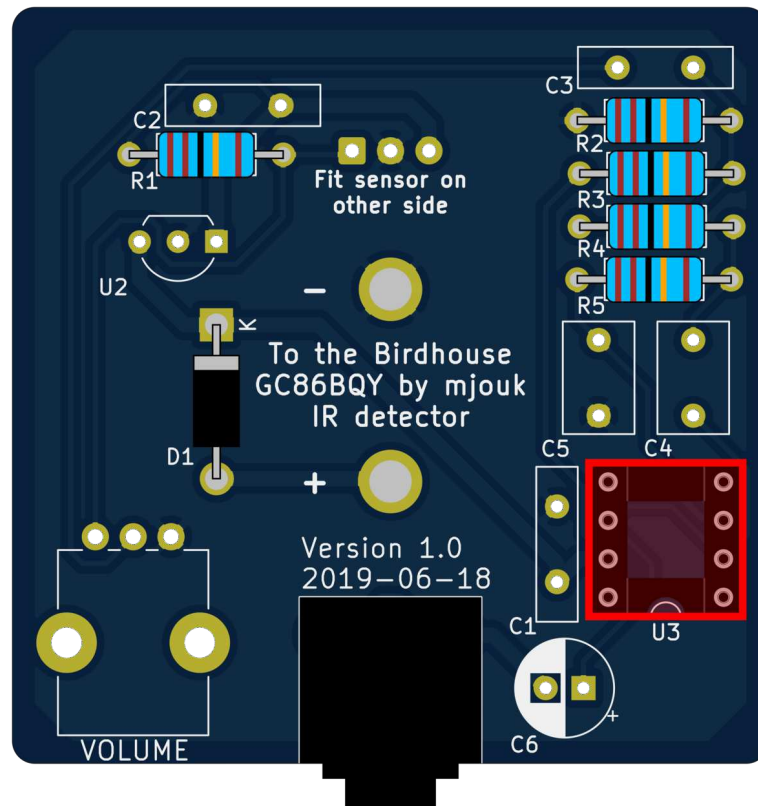


Step 4 of 12

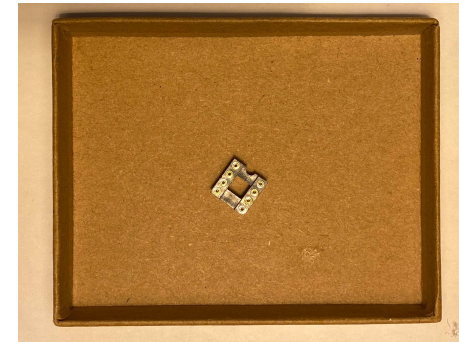
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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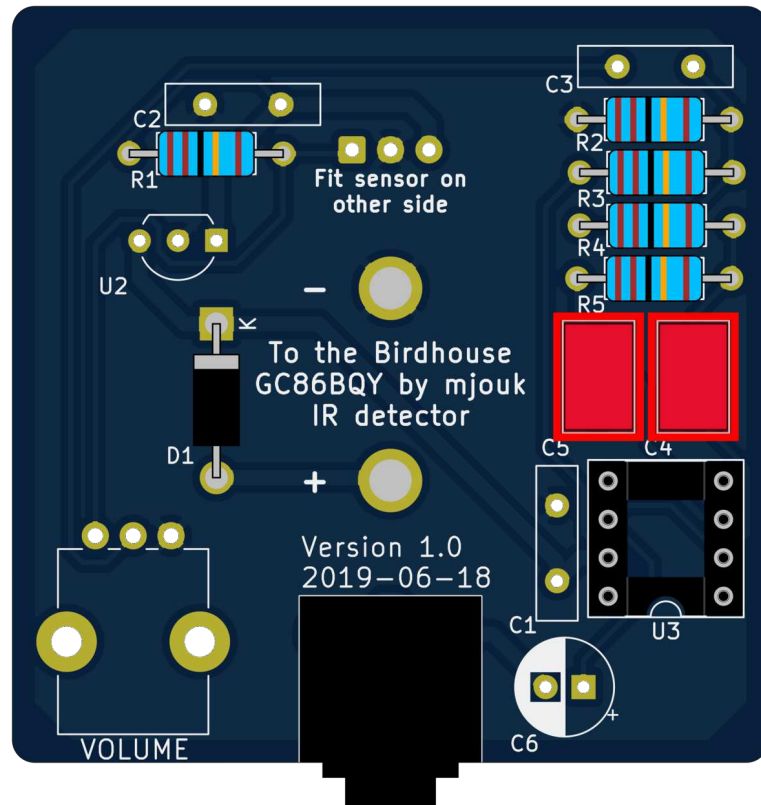
Solder the IC socket.



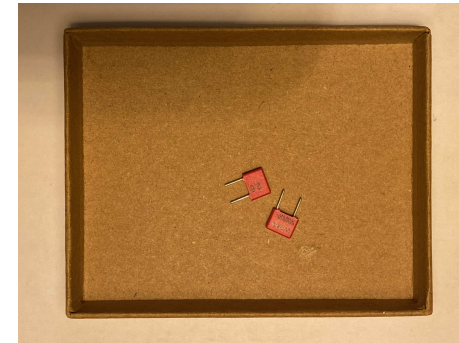
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the film capacitors.

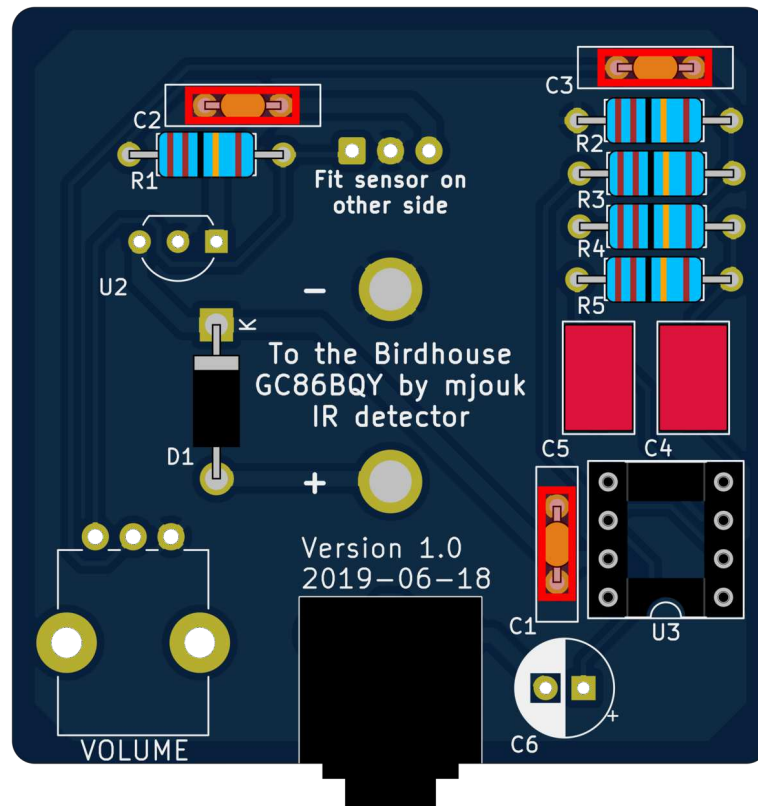


Step 6 of 12

# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the ceramic capacitors.

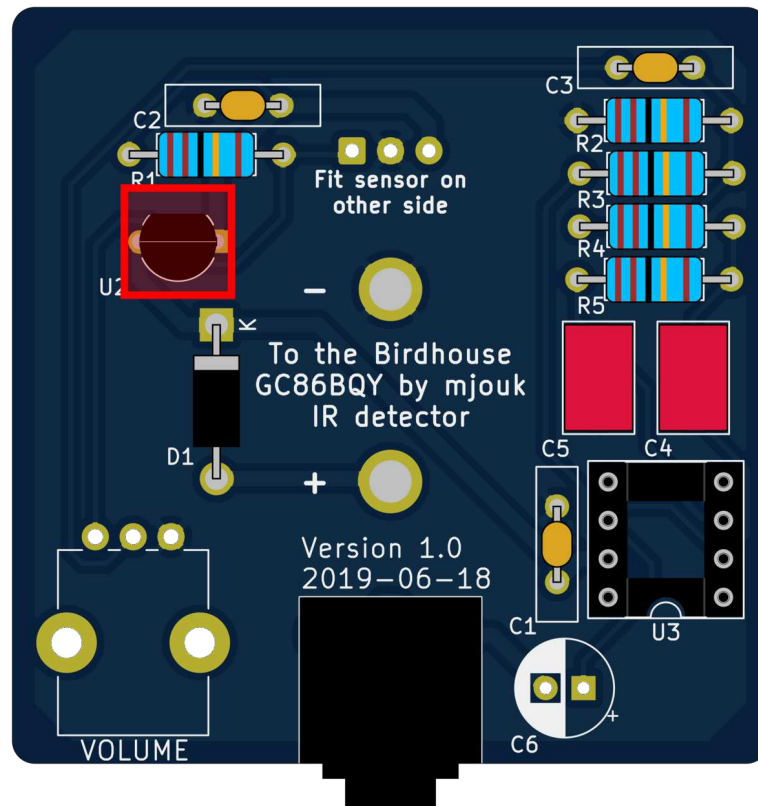


Step 7 of 12

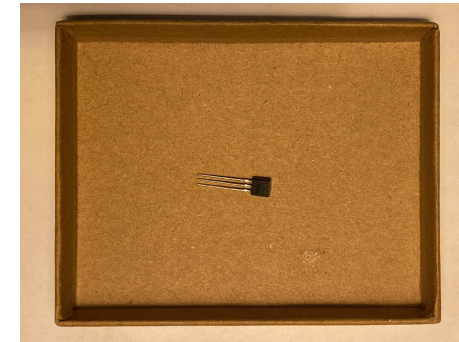
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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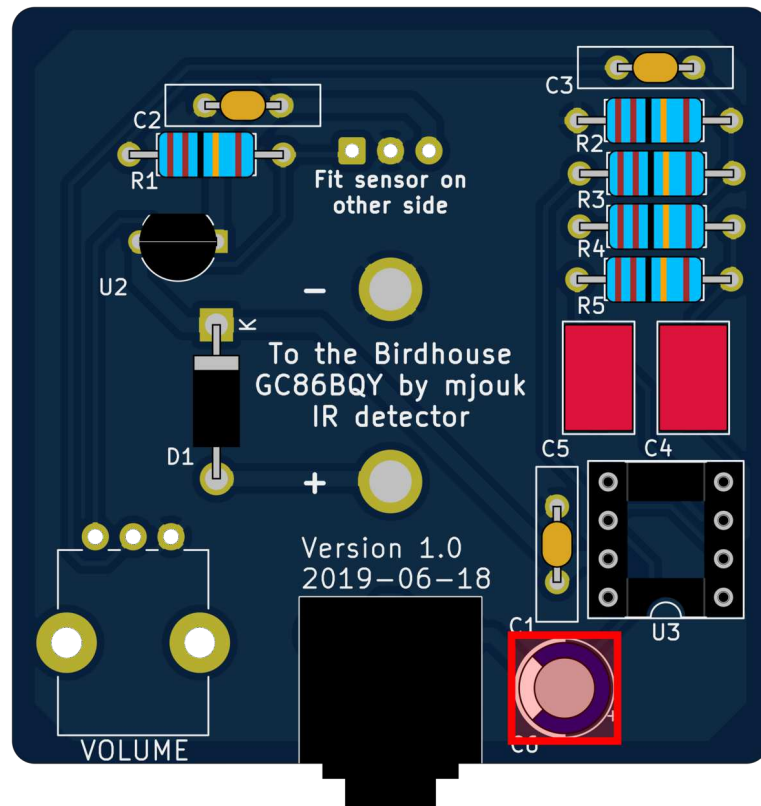
Solder the voltage regulator taking care to not confuse it with the sensor.



# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the electrolytic capacitor, taking care about the orientation

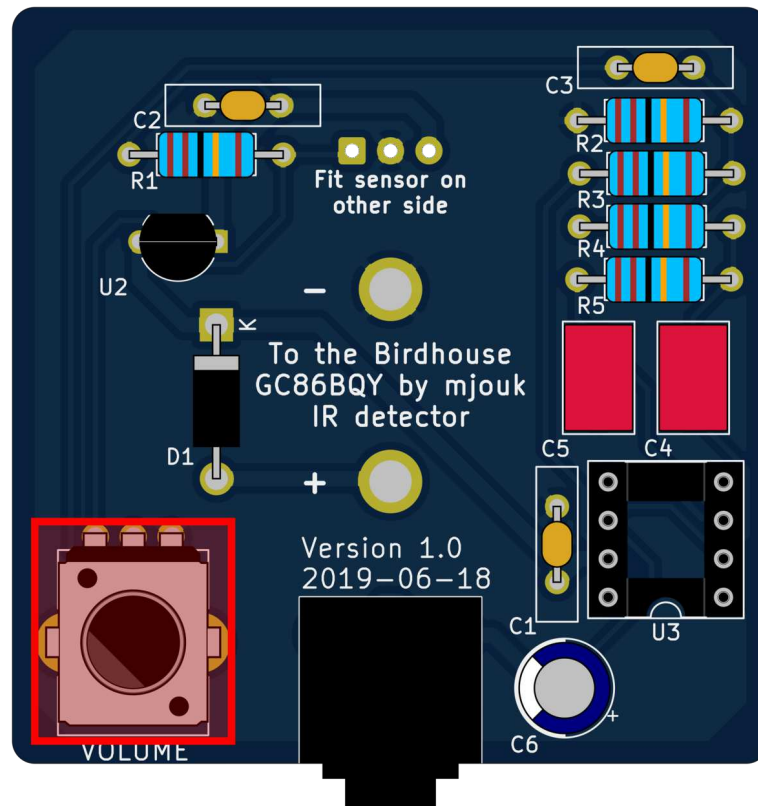


Step 9 of 12

# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the volume control.

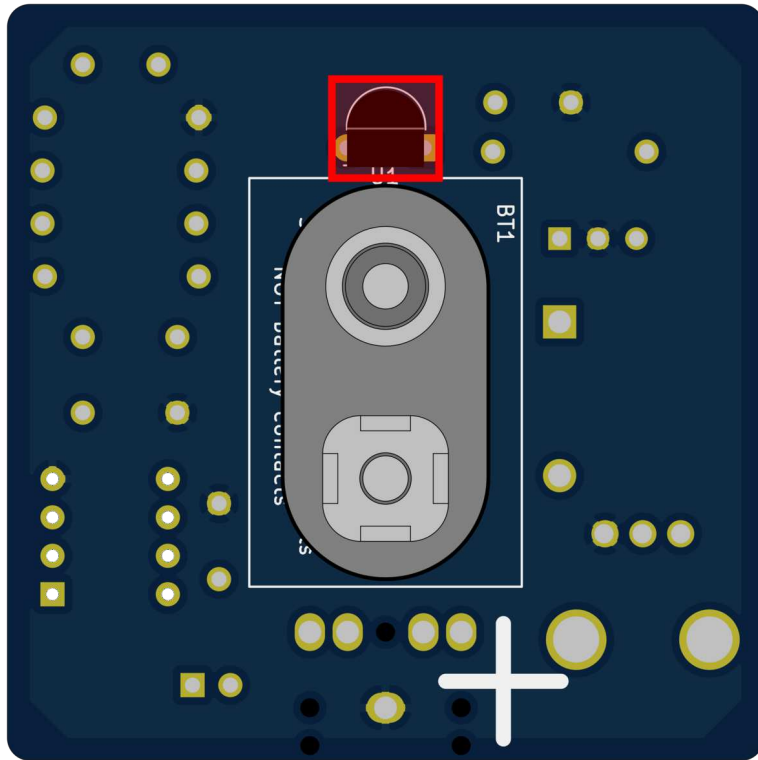


Step 10 of 12

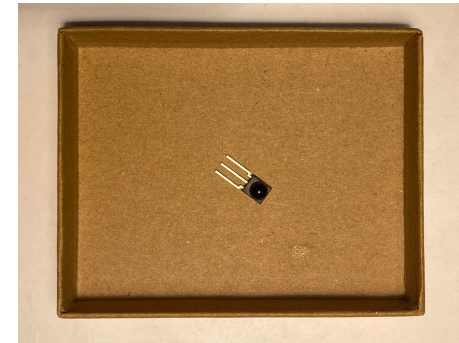
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Solder the sensor on the back of the PCB.

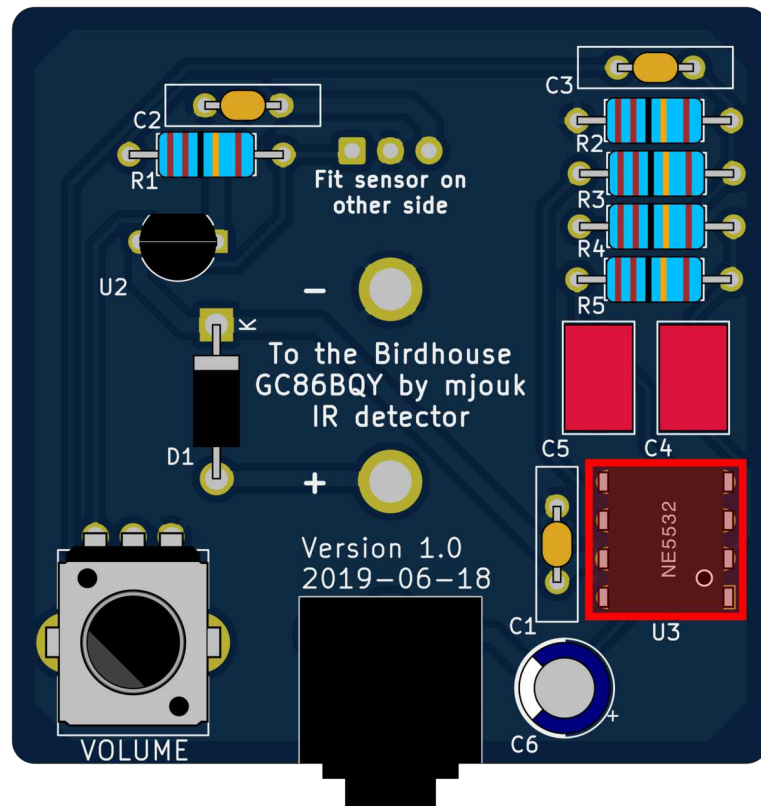


Step 11 of 12

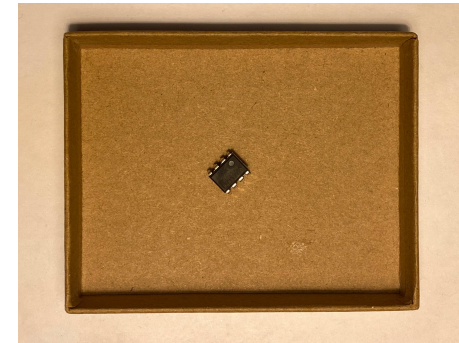
# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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Plug the op-amp into the socket.



Step 12 of 12

# THE BLOOMSBURY GROUP

## IR DETECTOR ASSEMBLY INSTRUCTIONS — SOLDER VERSION

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The detector is now ready to use. Connect headphones then plug in a 9V PP3 battery. Hold the detector by the battery with the headphone jack pointing towards you.

Feel free to keep any or all of the kit: leave any parts you don't want in the final box.

Please do NOT return anything to the ammo can from whence the kit came.

Good luck!