

How to Build an Earth/Ground Wrist Strap for your Makey Makey

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<u>Design Brief</u> – Build an Earth/ Ground Wrist Strap to enable both free hands when using your Makey Makey.





Below is a Parts List for making your Makey Makey Earth/Ground Wrist Strap.

I used Stick & Sew VELCRO, with the rough uniform loops side (Hook) with adhesive backing and the soft fuzzy side

(Loop) with no adhesive.

Copper Foil (Enough to cover Hook VELCRO)

165 mm long Adhesive Hook VELCRO

220 mm long Non Adhesive Loop VELCRO



Alligator Clip (Use one end & wire)

OR

3 mm Diam Banana Plug (Use plug & wire)

Below are some of the Production Steps, Tick off each box as you complete a task and Document it.

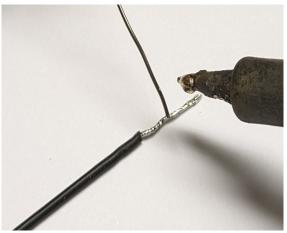
Carefully remove the plastic backing on the Hook VELCRO and the paper backing if using adhesive backed foil. Cover all the sticky back Hook VELCRO with the foil.

Use a sharp object to press a hole in one end of the foil covered VELCRO to enable the insertion of the wire.



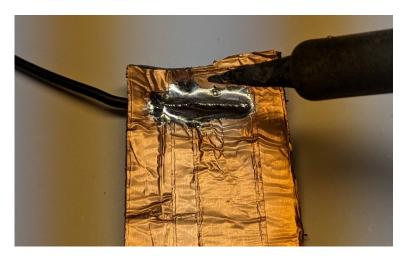


Using one end of a double ended Alligator
Clip, Strip ~20mm and Pre Tin the end of a
Black (if available) Alligator clip &Insulated
Wire.



Use smaller bits of adhesive backed copper foil to cover the previously soldered wire.

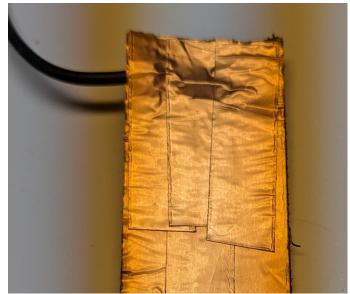
Insert the tinned wire into the previously made Hole and carefully solder the wire end to the copper foil.



Ensure the copper foil is covering all the soldered wires, to make a smooth surface on your wrist.



Flip the Hook VELCRO over and align and attach face down, the Loop VELCRO about 40 mm down from the end. Adjust for variations in wrist sizes.



Test your Earth/Ground Wrist Band with your Makey Makey, giving you both free hands to try the various Apps like the Piano, using say bananas or fruit.

CONGRATULATIONS, try experimenting!

