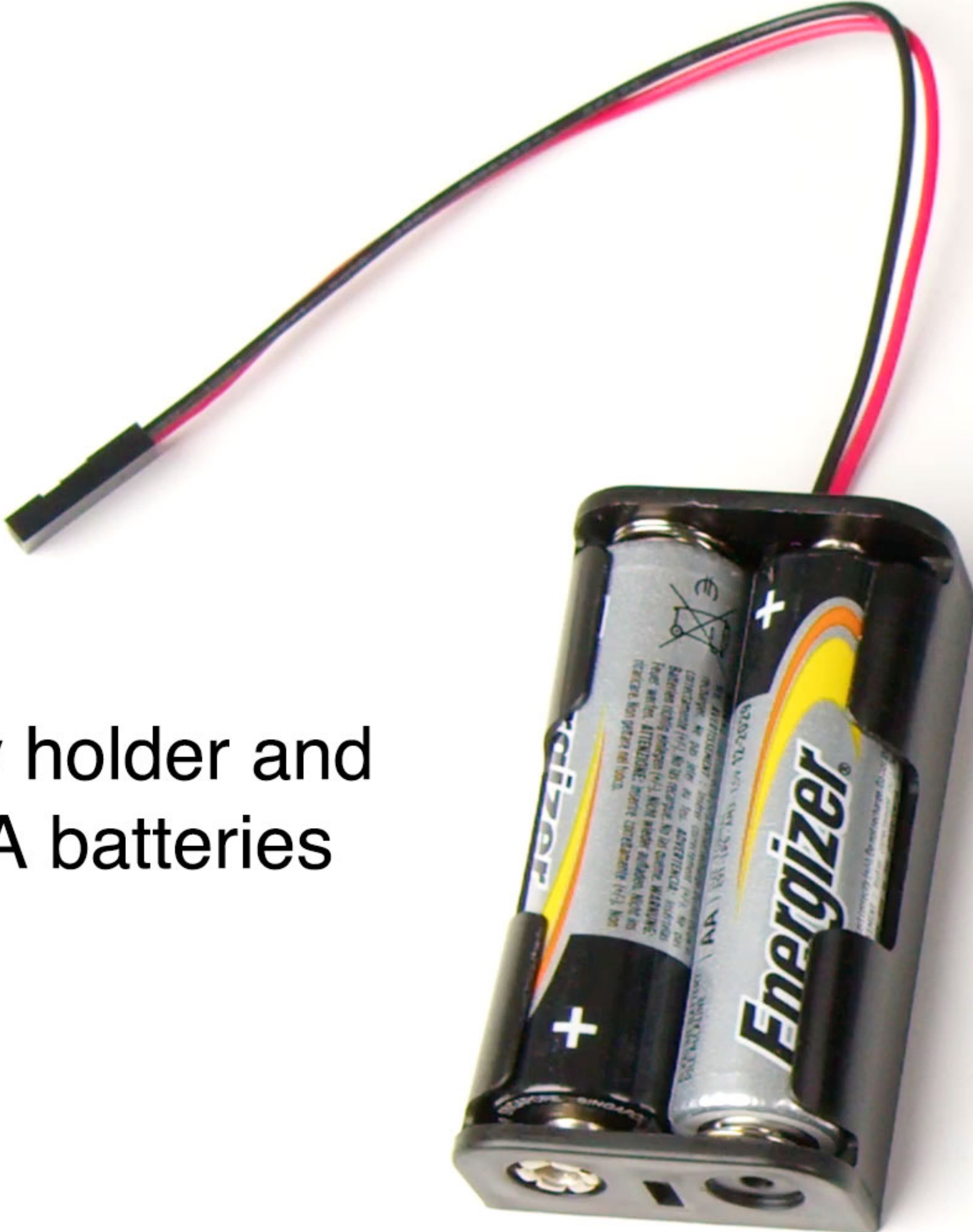
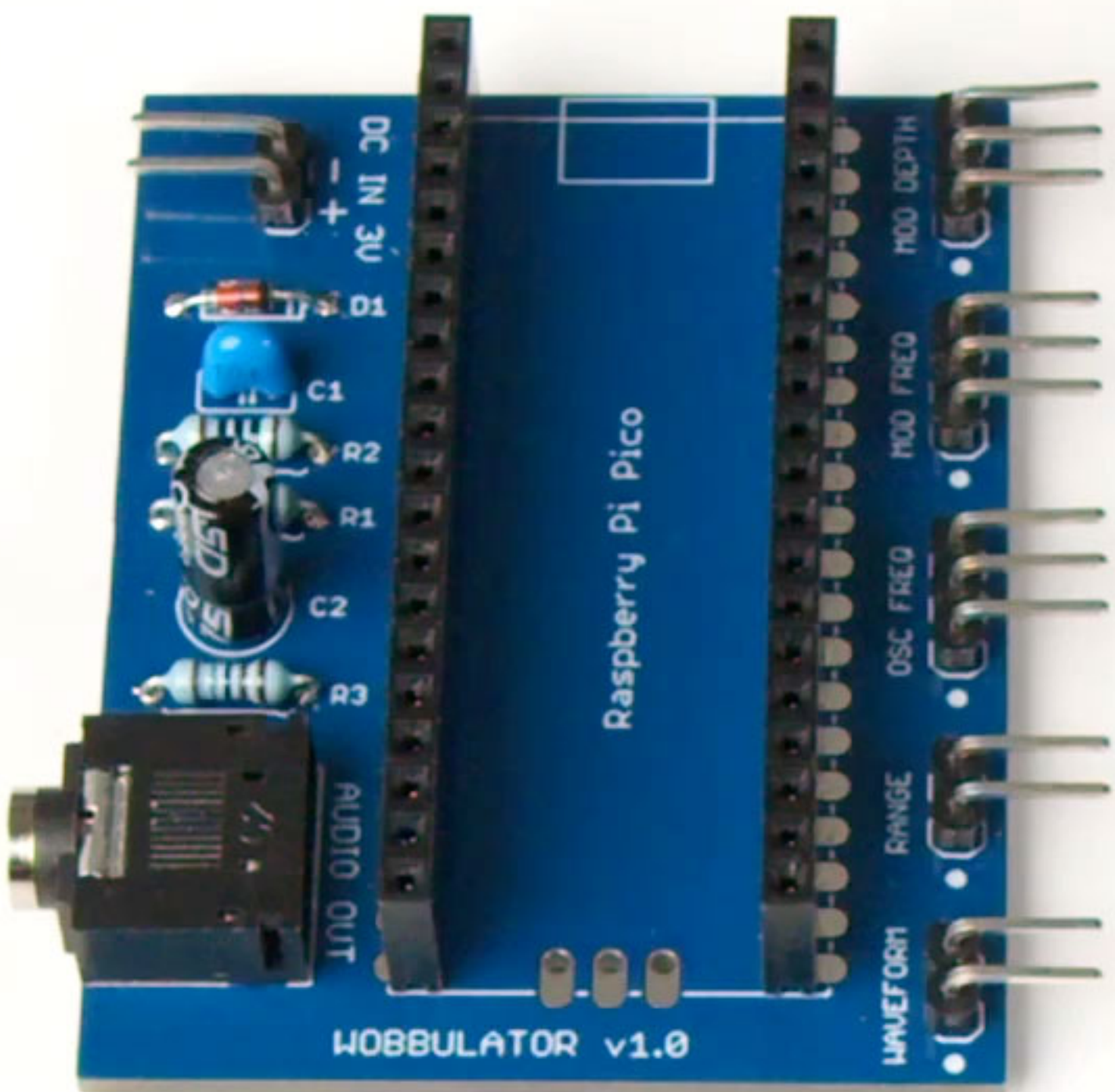


1) Check that you have all the parts

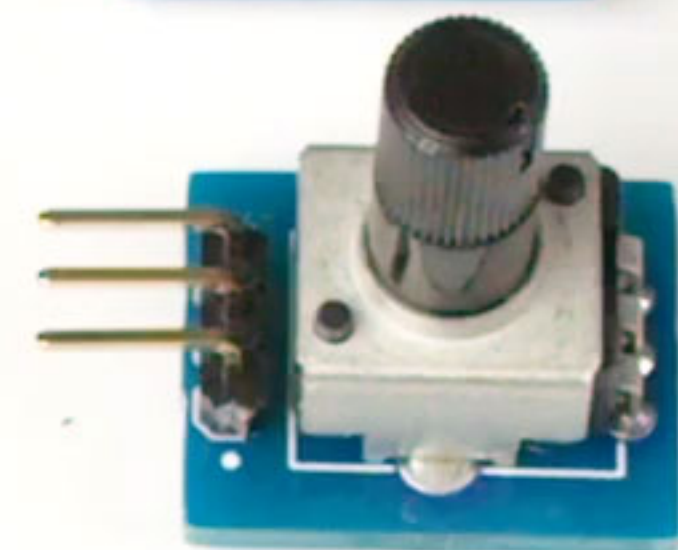
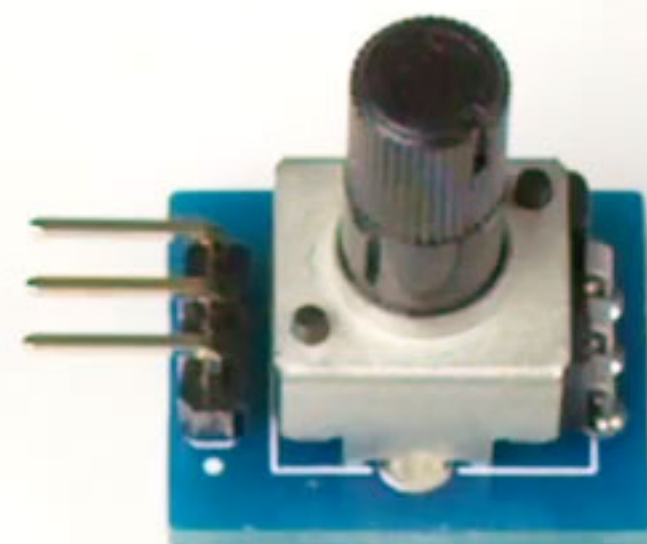
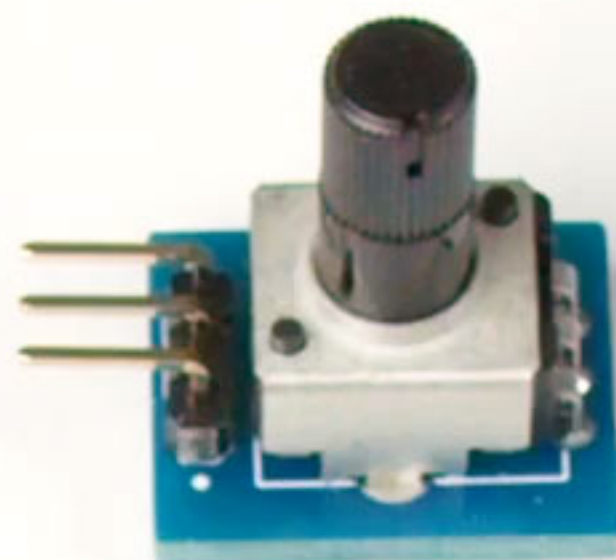
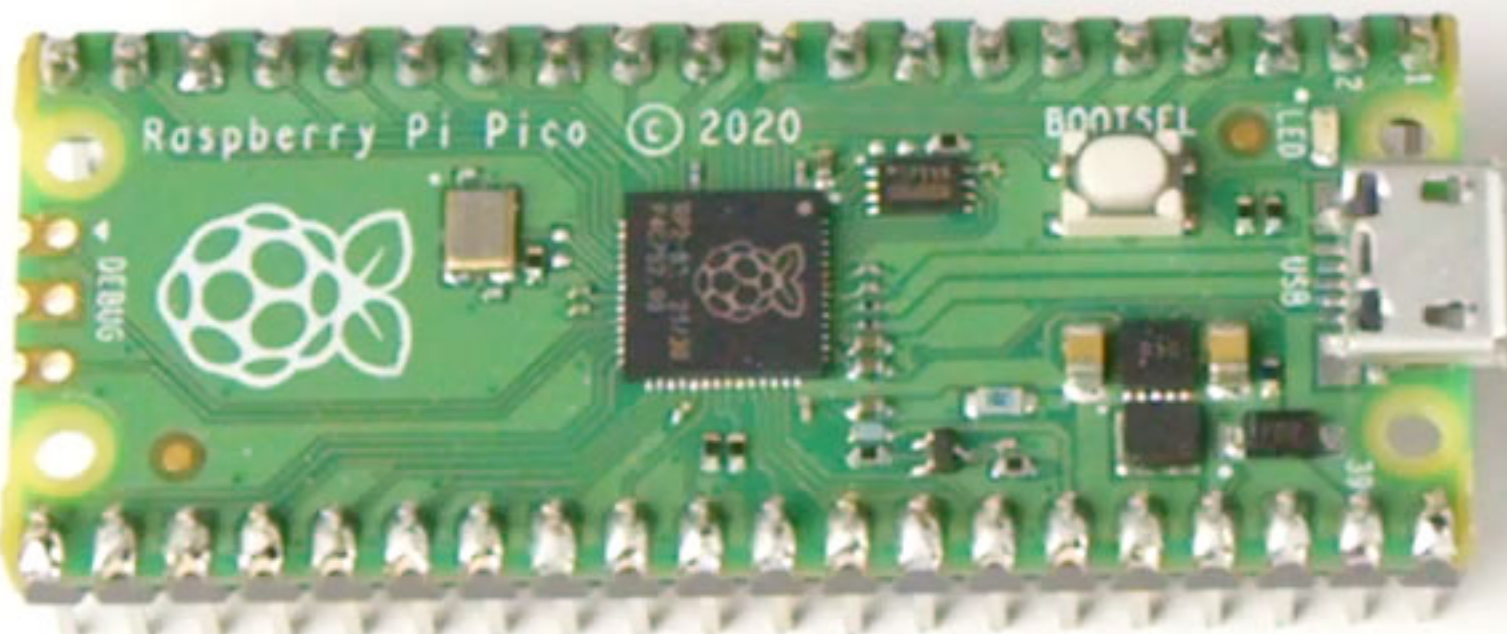


Battery holder and
2 x AA batteries

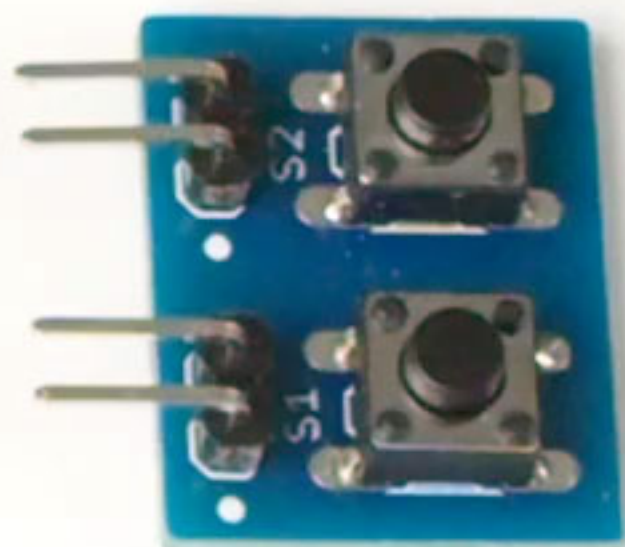
Main Wobbulator PCB



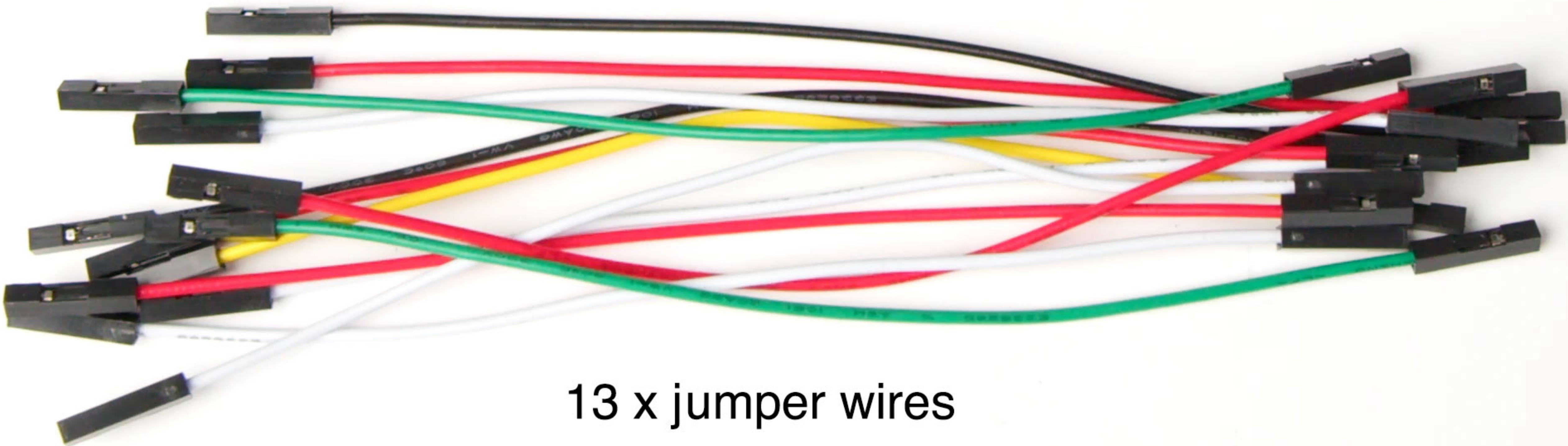
Raspberry Pi Pico



3 x Potentiometers



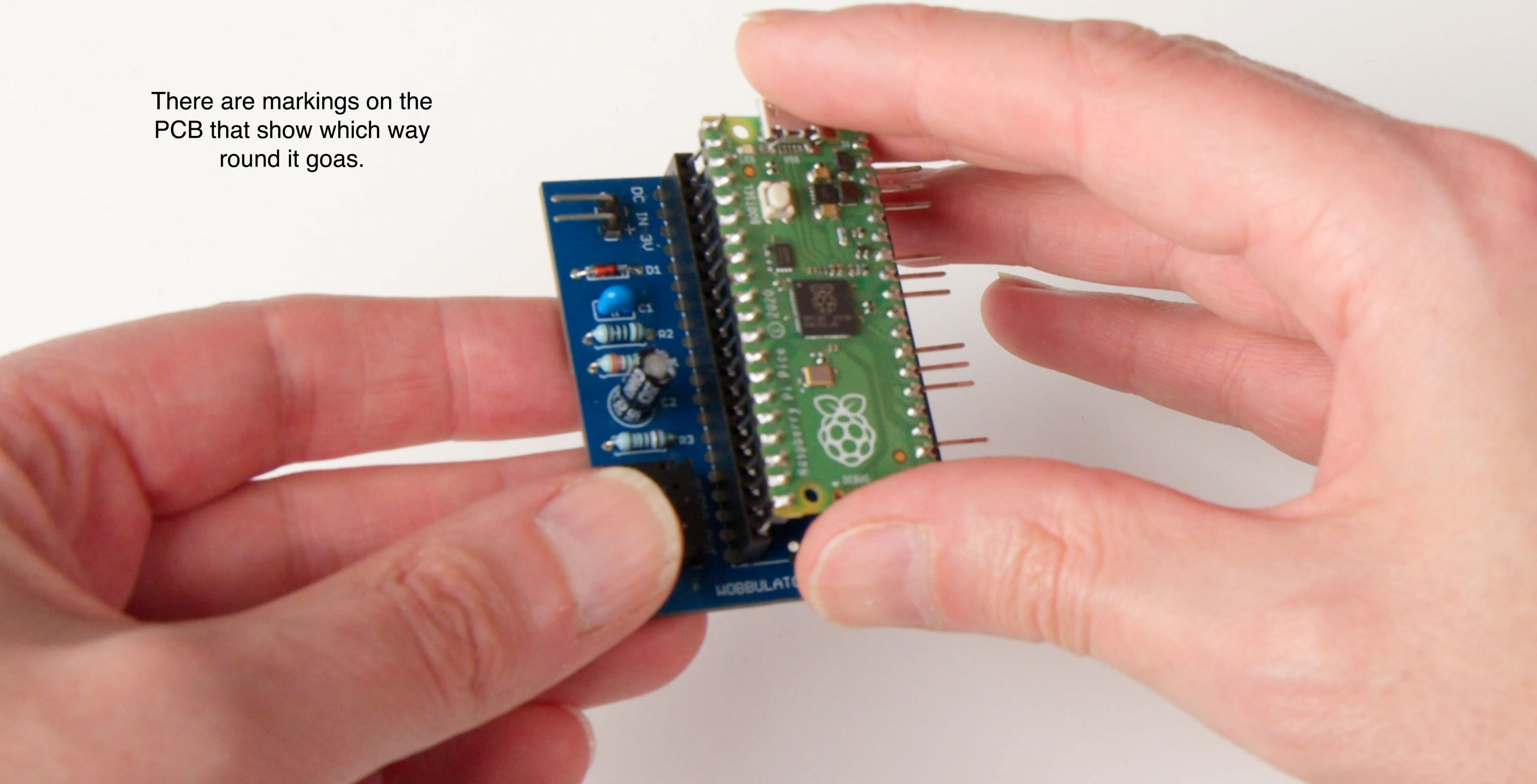
Switch PCB

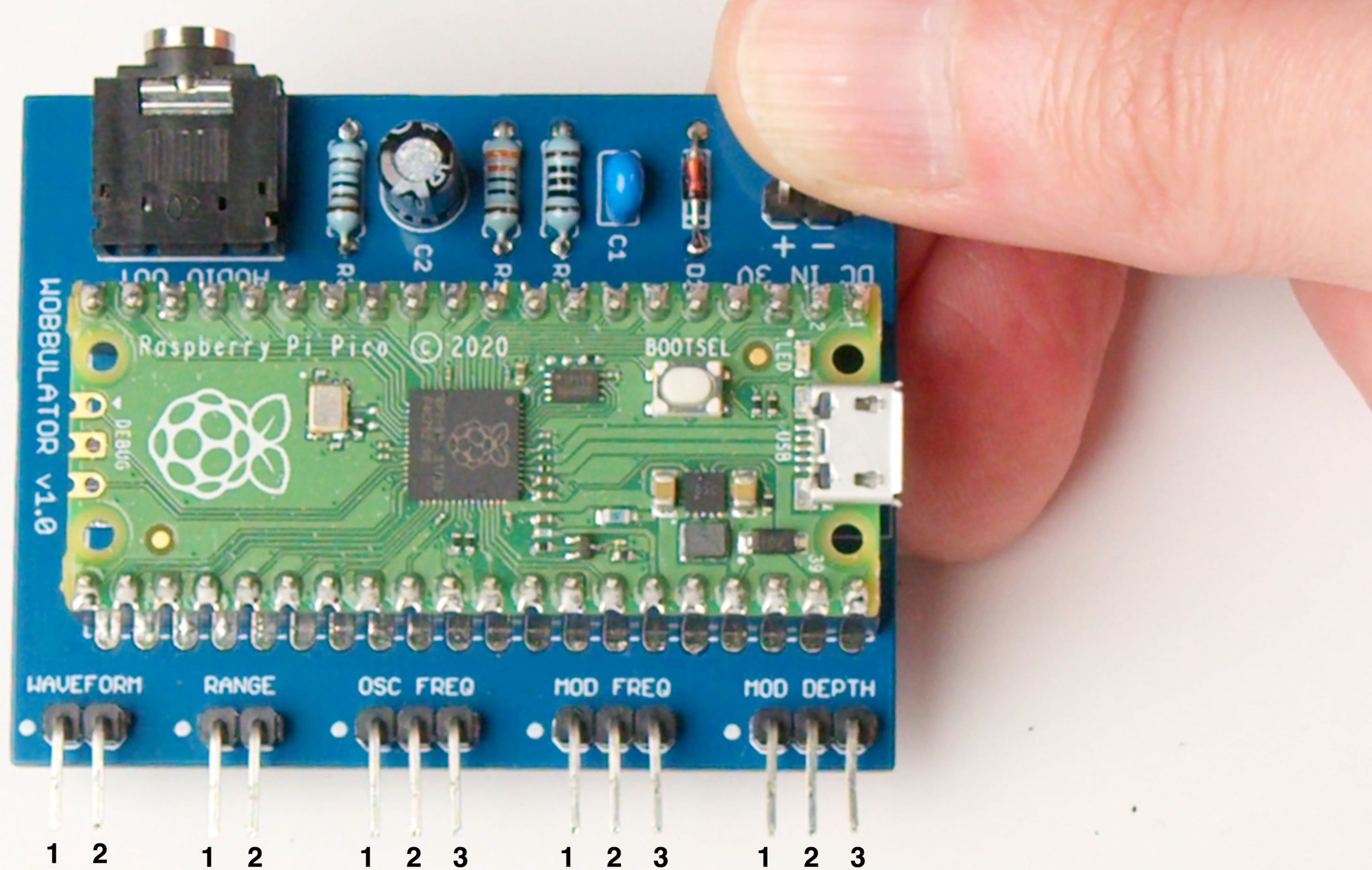


13 x jumper wires

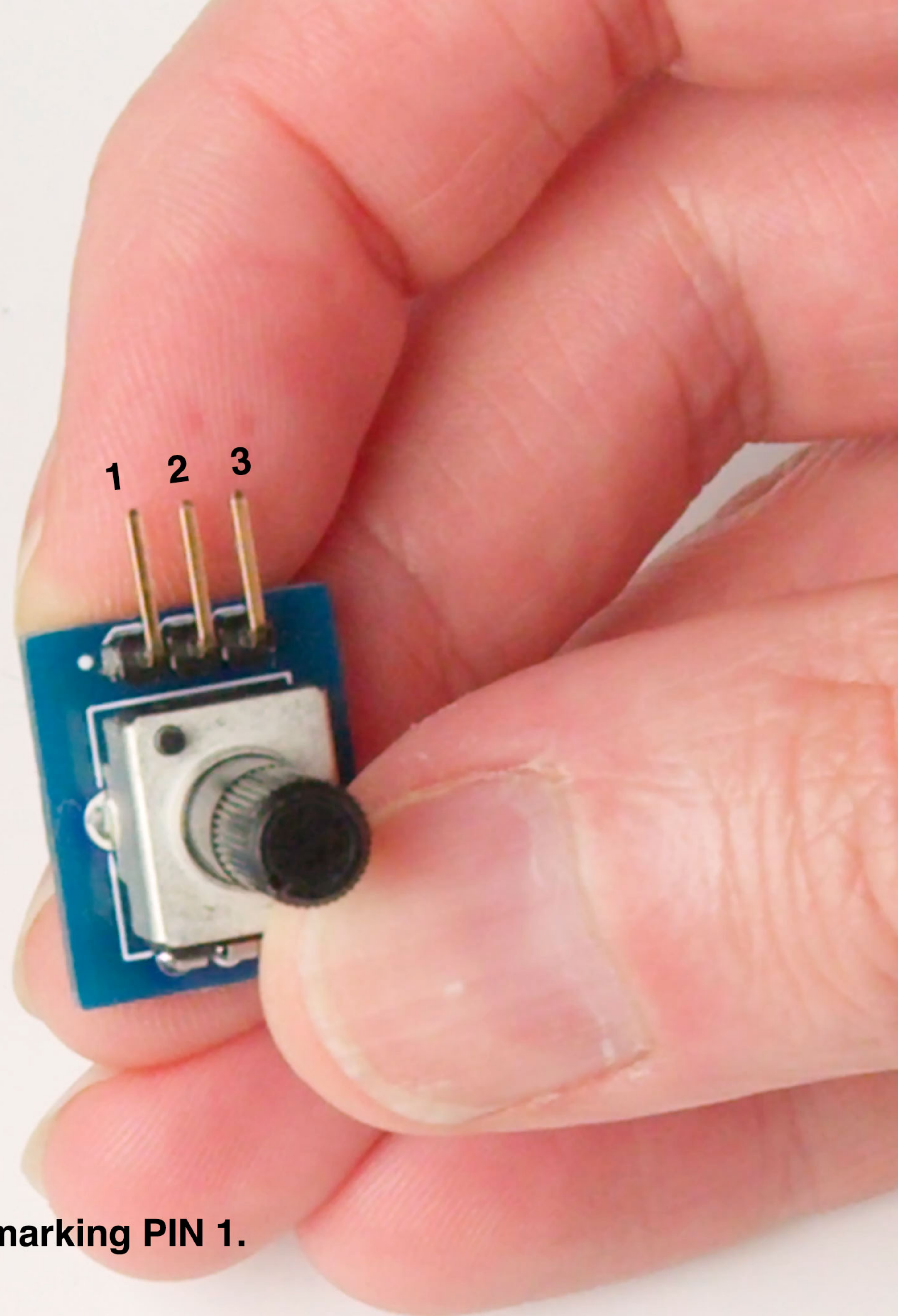
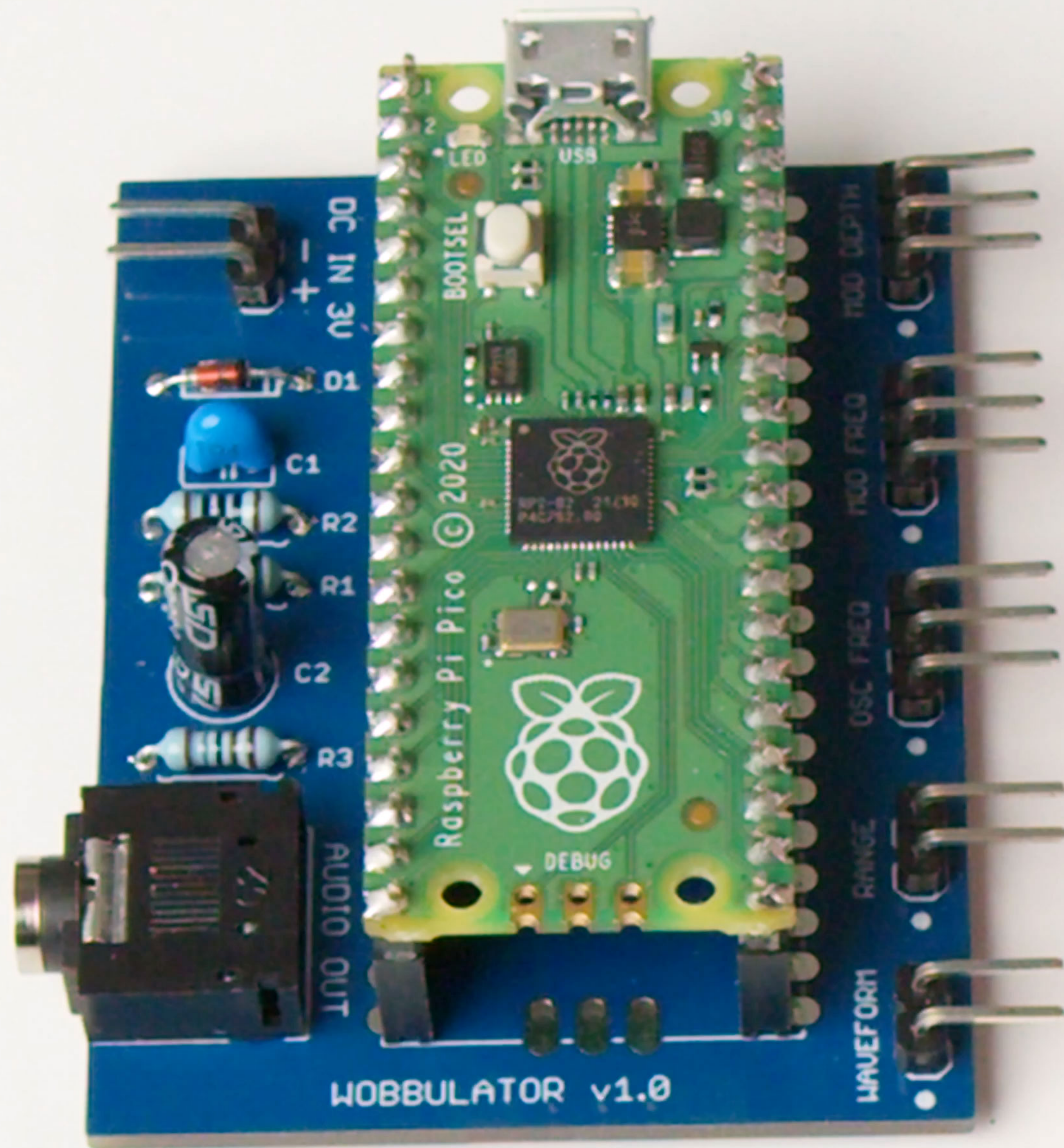
2) Insert the Raspberry Pi Pico into the Main PCB

There are markings on the PCB that show which way round it goes.

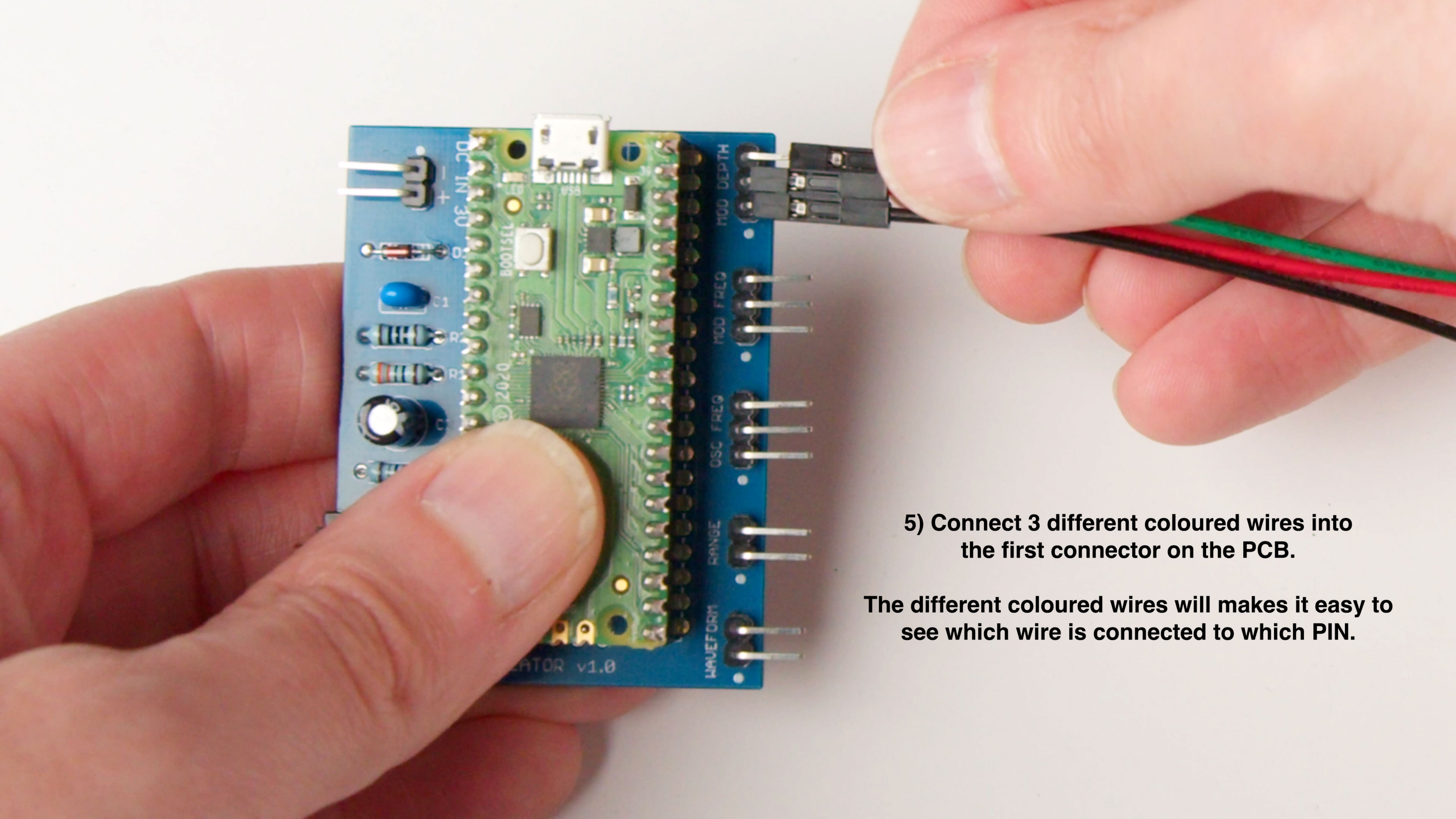




3) The PCB has small dots next to each connector. The dot marks PIN 1 in each case.

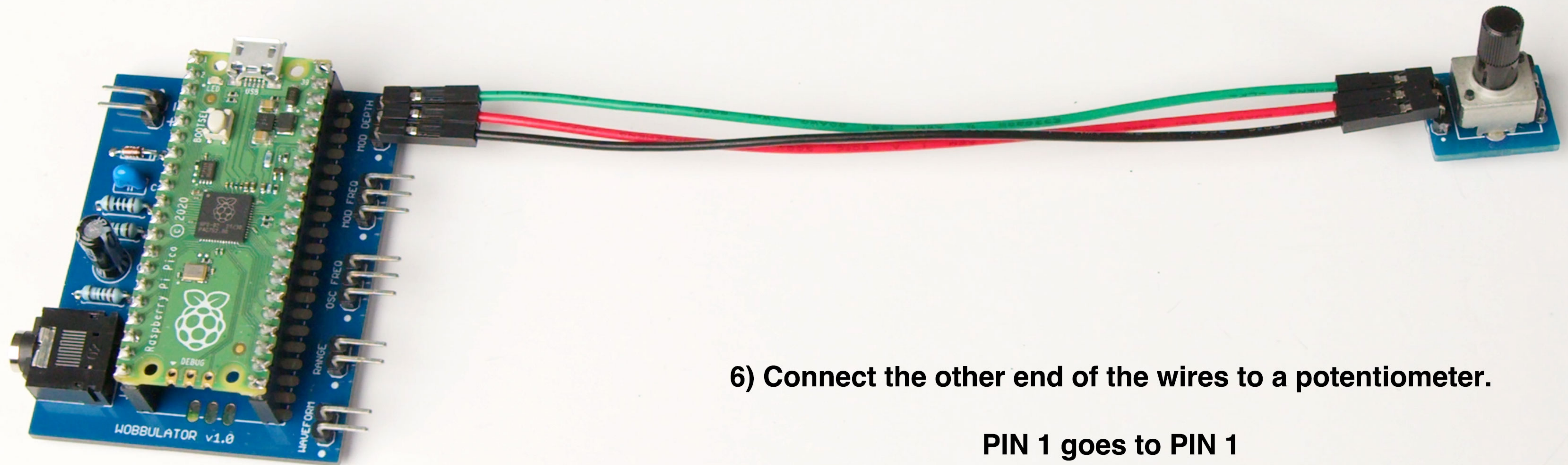


4) The potentiometers also have a dot marking PIN 1.



5) Connect 3 different coloured wires into the first connector on the PCB.

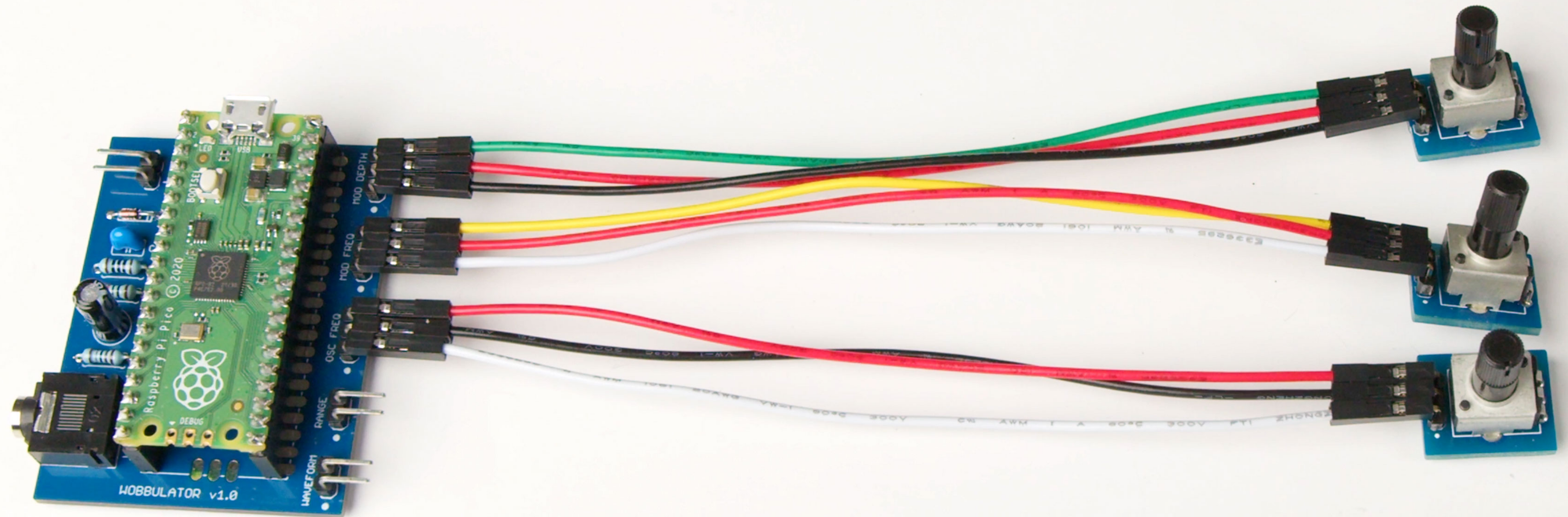
The different coloured wires will makes it easy to see which wire is connected to which PIN.



6) Connect the other end of the wires to a potentiometer.

**PIN 1 goes to PIN 1
PIN 2 goes to PIN 2
PIN 3 goes to PIN 3**

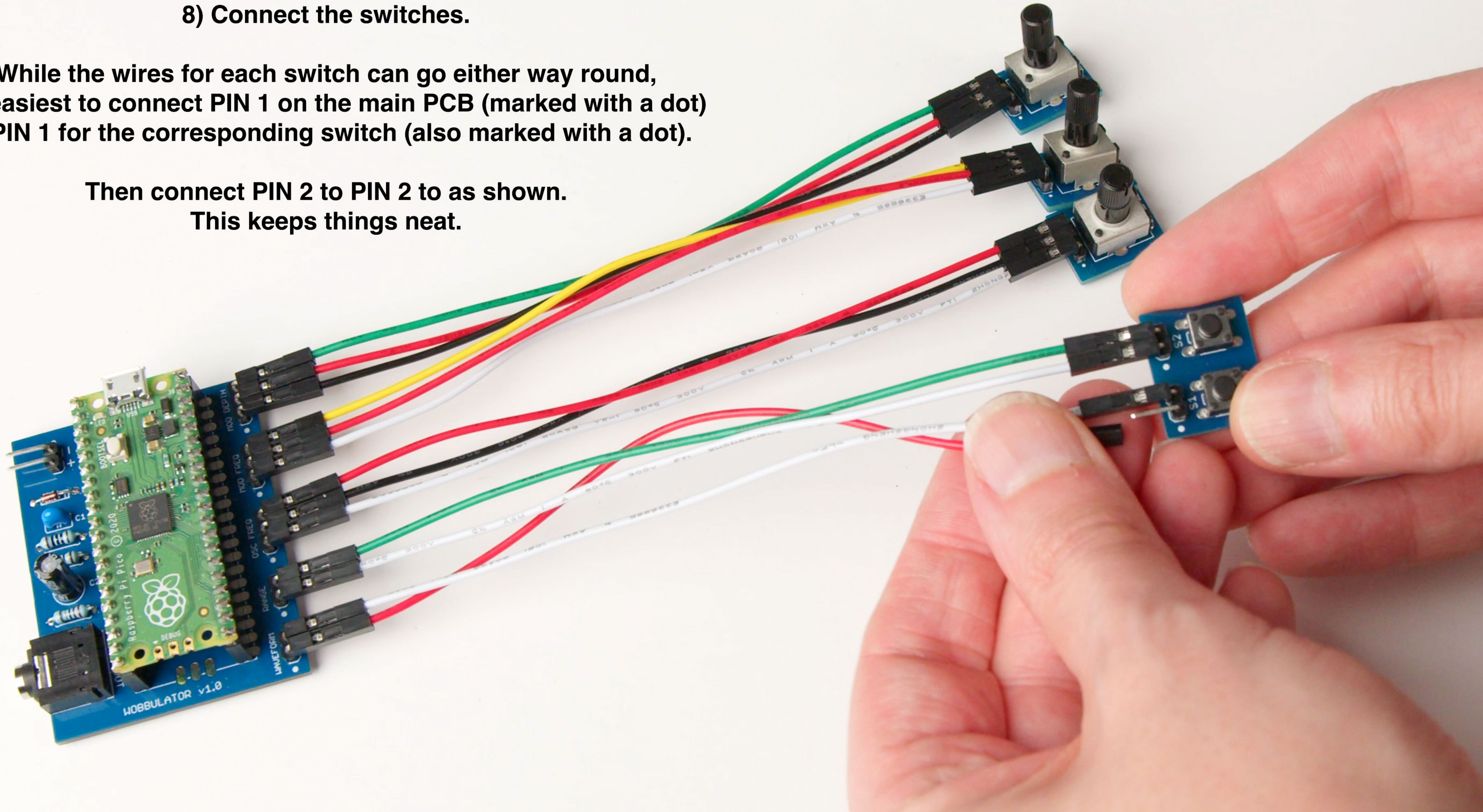
7) Connect the other two potentiometers in the same way.

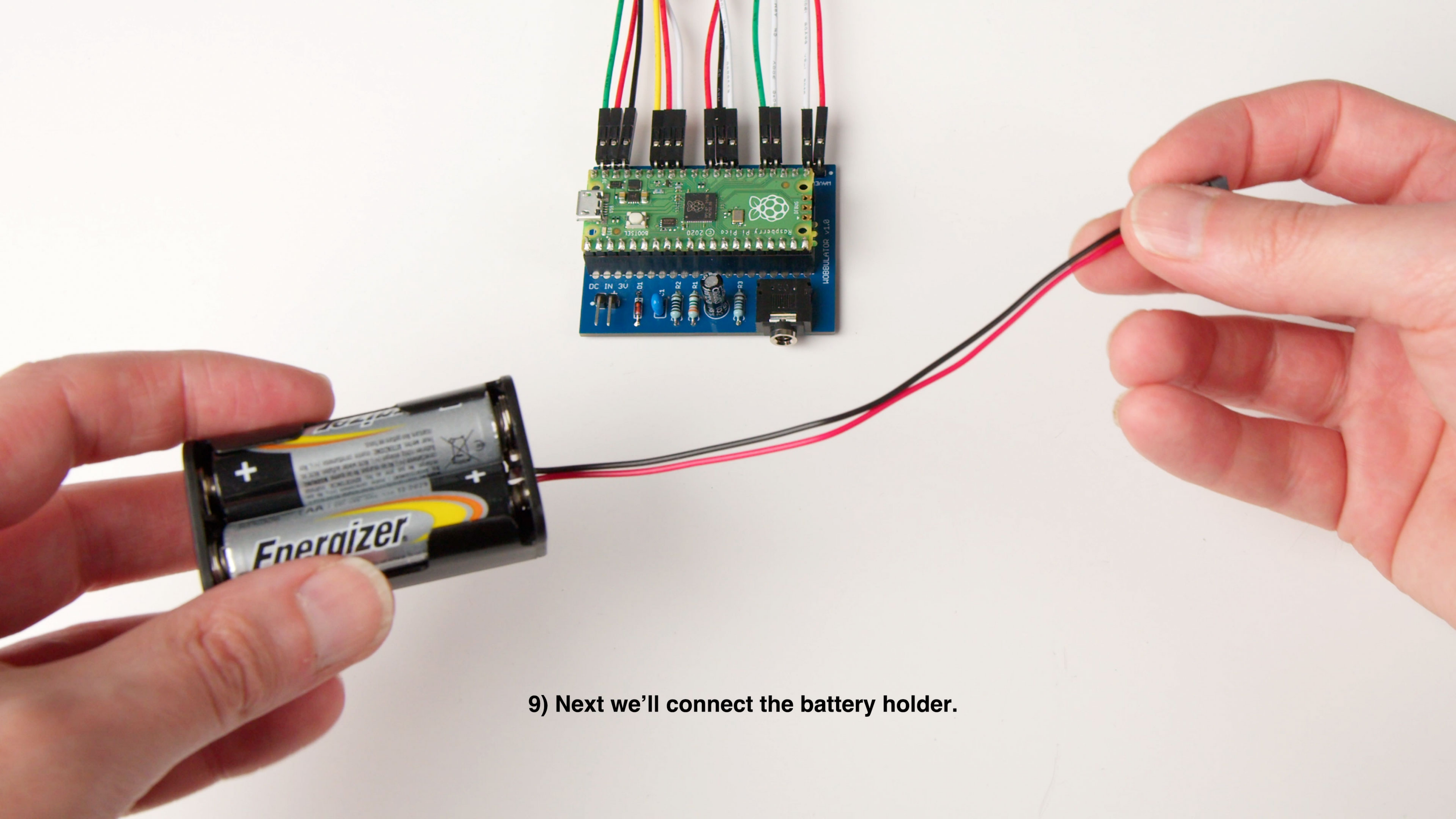


8) Connect the switches.

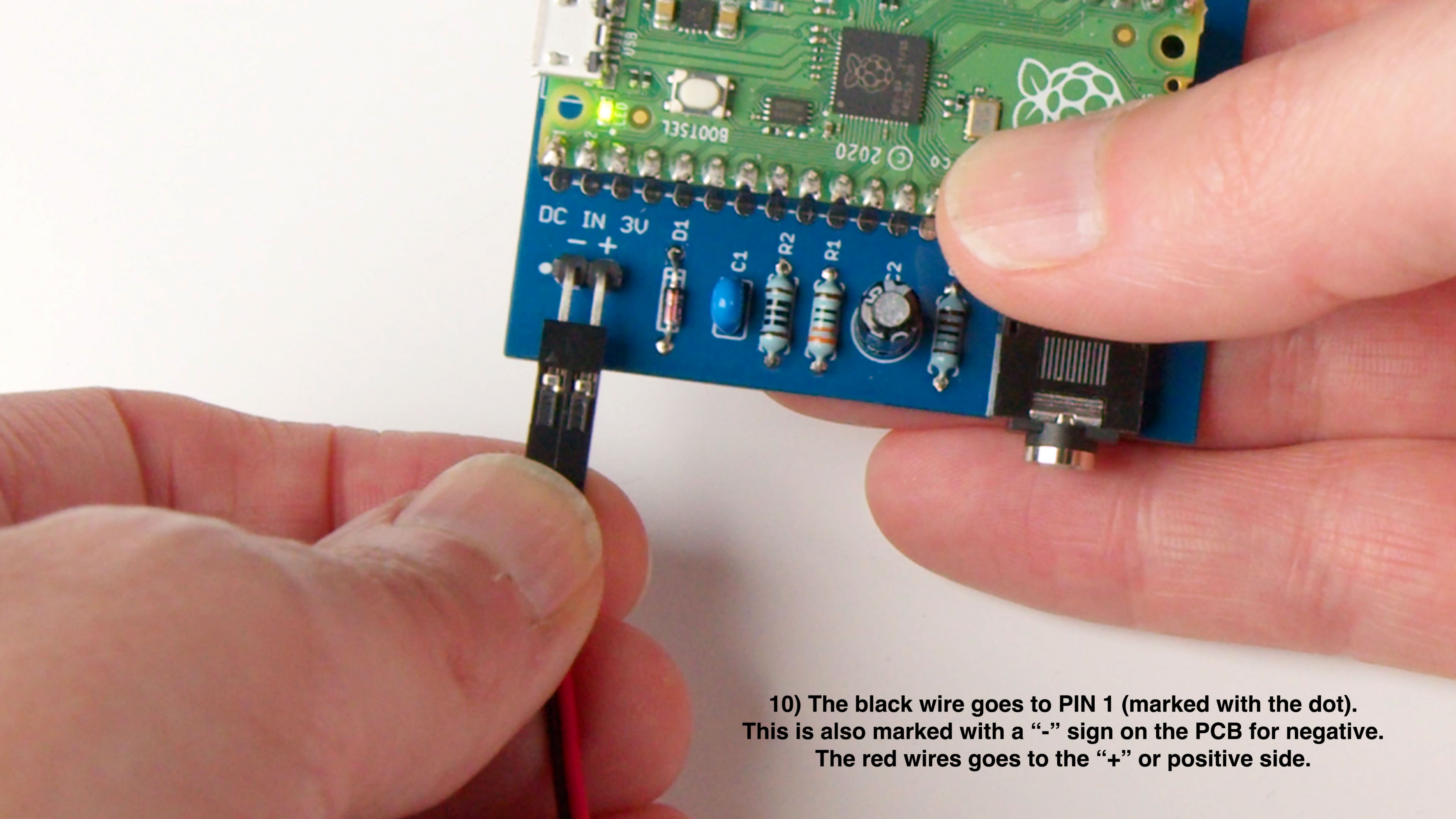
While the wires for each switch can go either way round, it's easiest to connect PIN 1 on the main PCB (marked with a dot) to PIN 1 for the corresponding switch (also marked with a dot).

Then connect PIN 2 to PIN 2 to as shown.
This keeps things neat.

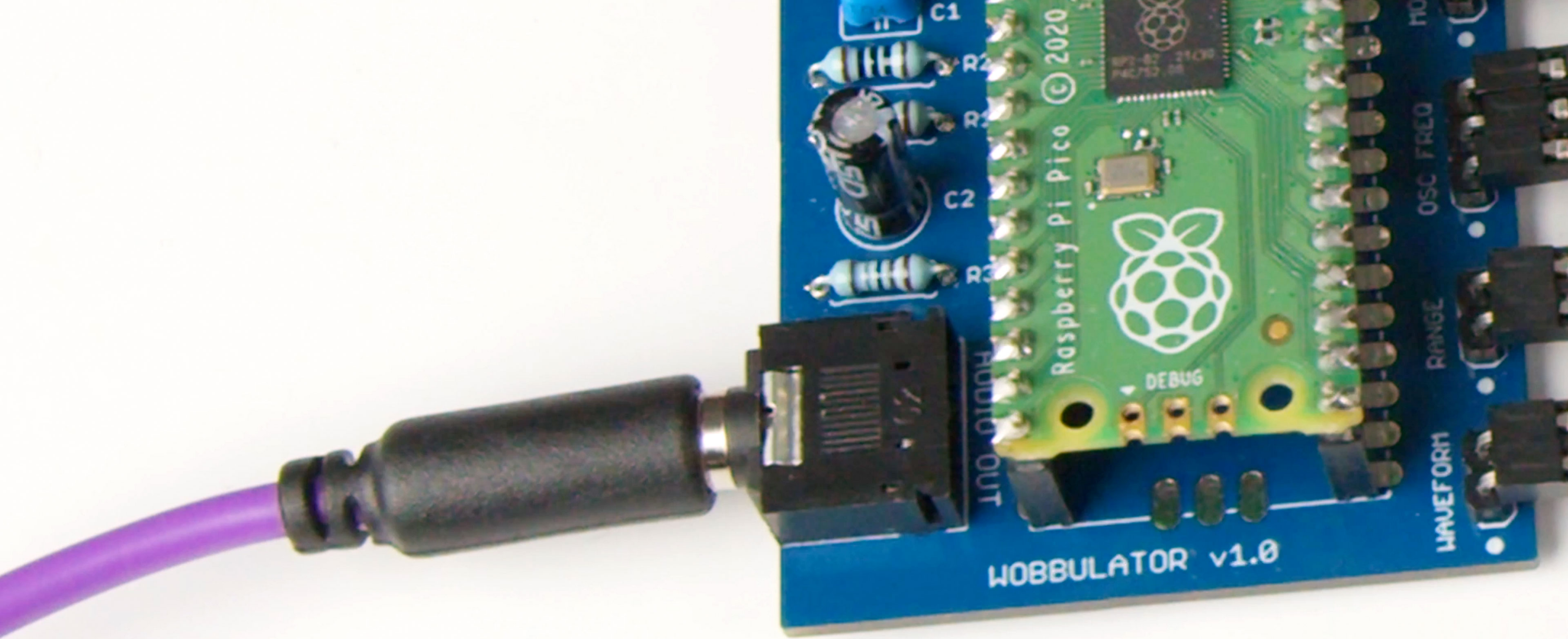




9) Next we'll connect the battery holder.



10) The black wire goes to PIN 1 (marked with the dot). This is also marked with a “-” sign on the PCB for negative. The red wires goes to the “+” or positive side.



11) Plug in a standard 3.5mm cable to your powered speaker....and you're done!