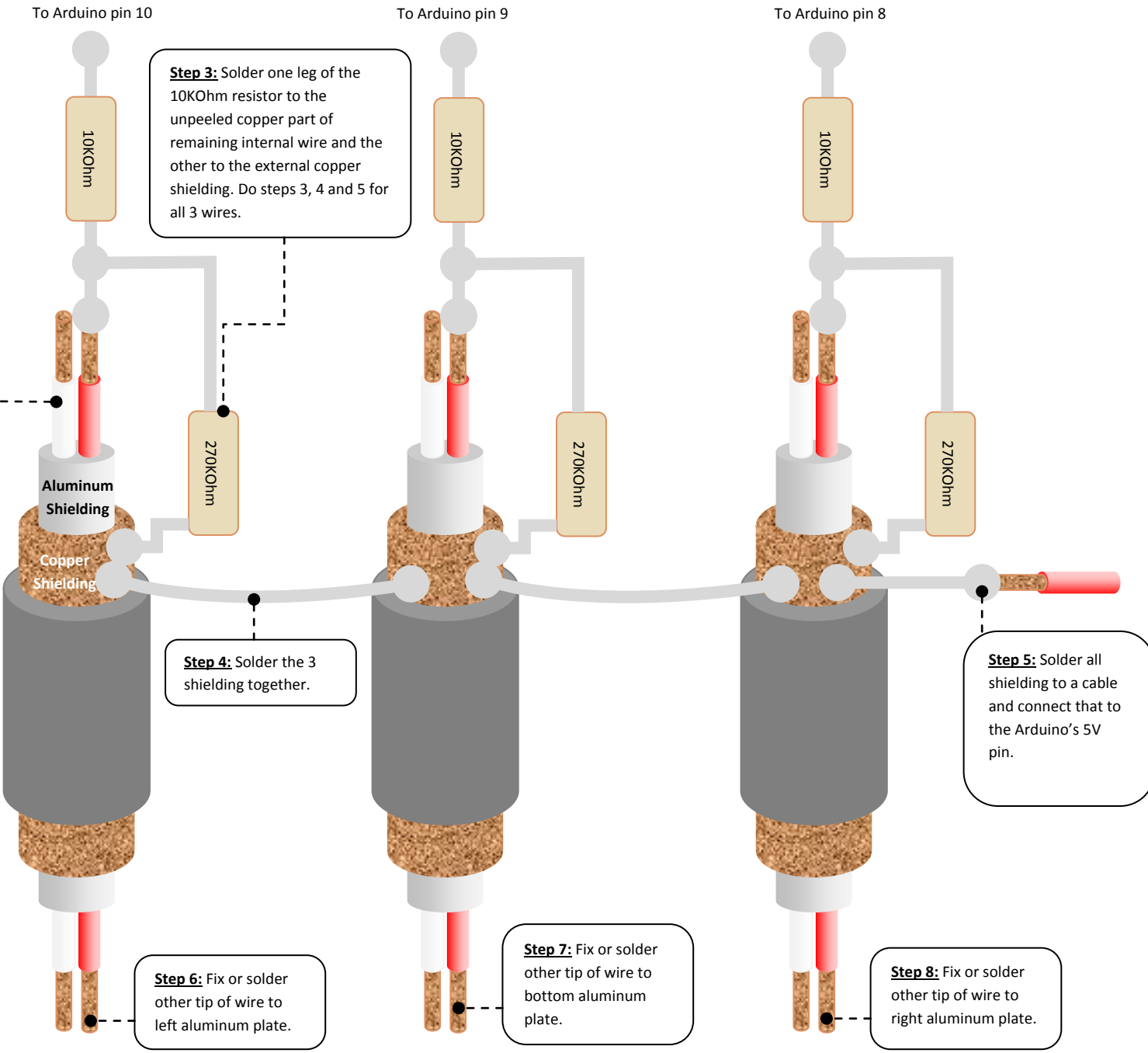


# IMGD-3xxx: HCI for Real, Virtual, and Teleoperated Environments Project 3 – Diagram

**Step 0:** Read all steps before starting to build your circuit.

**Step 1:** Unpeel the wire tips so that you can see each of the layers separately (copper shielding, aluminum shielding, internal wires with plastic covers, internal wires without them). Leave at least ¼ inch distance between each layer to allow space for soldering and building the circuit correctly.

**Step 2:** Remove one of the internal wires from the inside. It is not going to be needed there, but can be used for making other connections such as to 5V input.



**Step 3:** Solder one leg of the 10KOhm resistor to the unpeeled copper part of remaining internal wire and the other to the external copper shielding. Do steps 3, 4 and 5 for all 3 wires.

**Step 4:** Solder the 3 shielding together.

**Step 5:** Solder all shielding to a cable and connect that to the Arduino's 5V pin.

**Step 6:** Fix or solder other tip of wire to left aluminum plate.

**Step 7:** Fix or solder other tip of wire to bottom aluminum plate.

**Step 8:** Fix or solder other tip of wire to right aluminum plate.