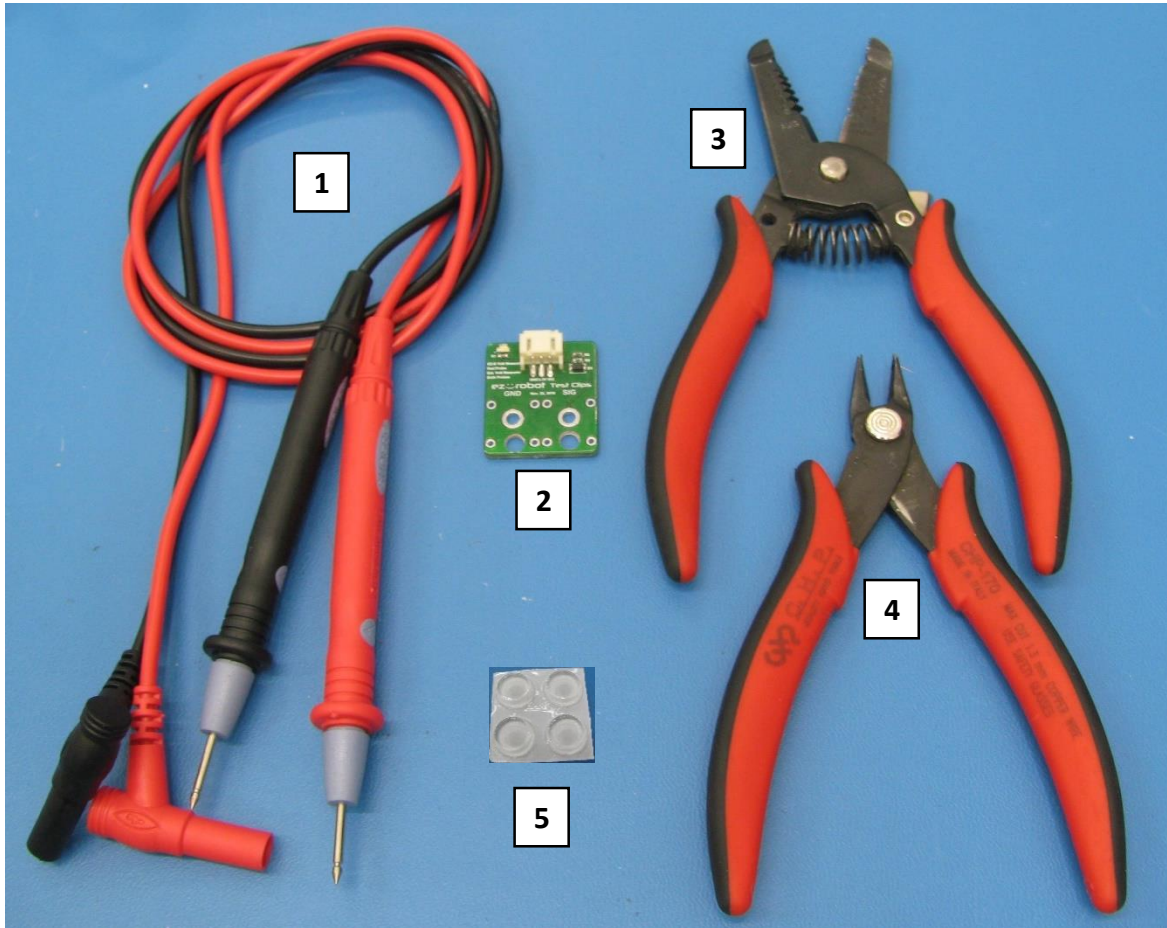


SYNTHIAM

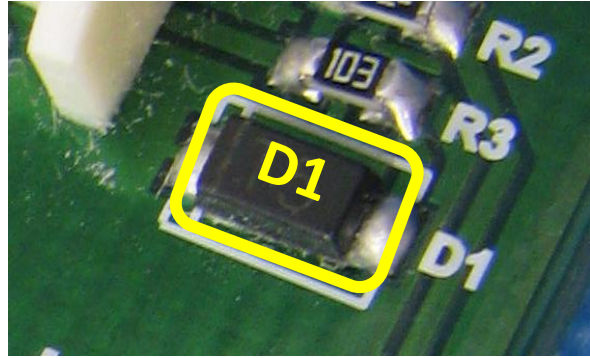
Electronic Assembly Notes

E-28 Voltmeter Rev 2

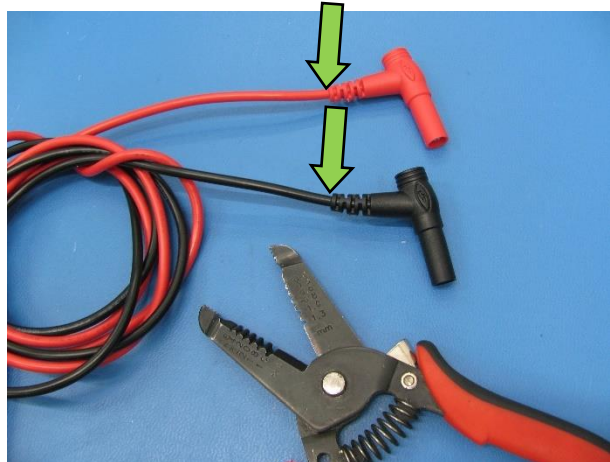


PARTS & TOOLS

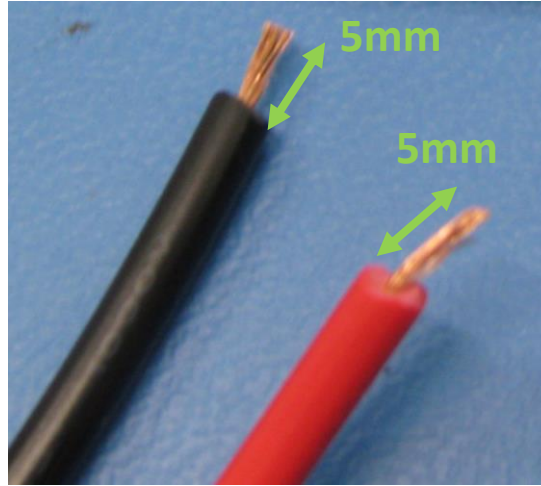
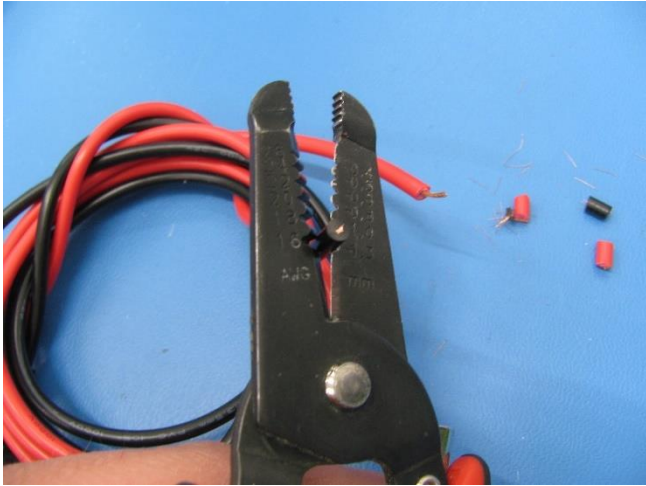
#	Qty	Name
1	1	Set of Multimeter probes
2	1	Voltmeter
3	1	Wire Strippers
4	1	Flush cutters
5	4	8mm x 2.5mm self adhesive rubber feet (clear)
		Soldering Iron and Solder (not pictured)



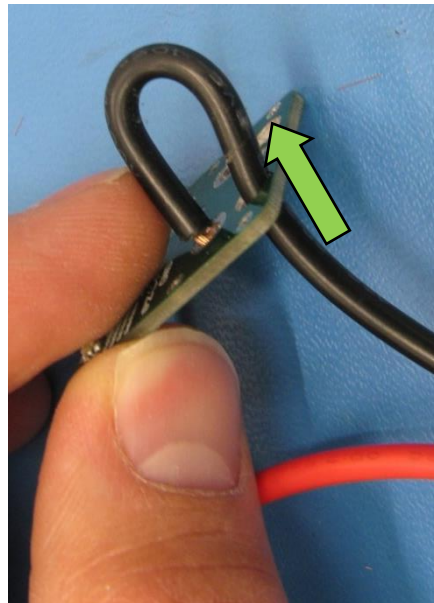
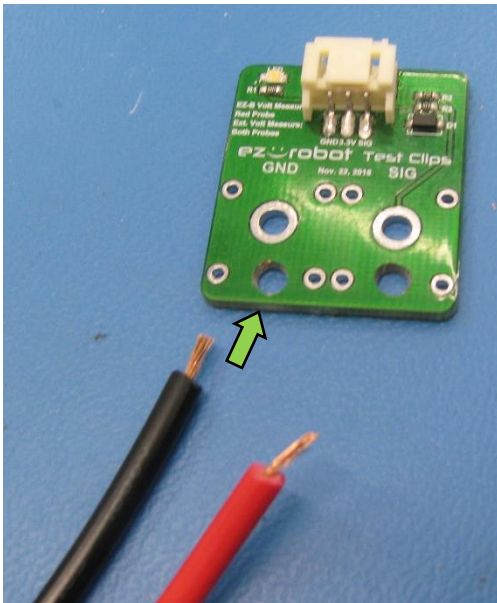
Note 1. D1 Orientation must be as pictured.



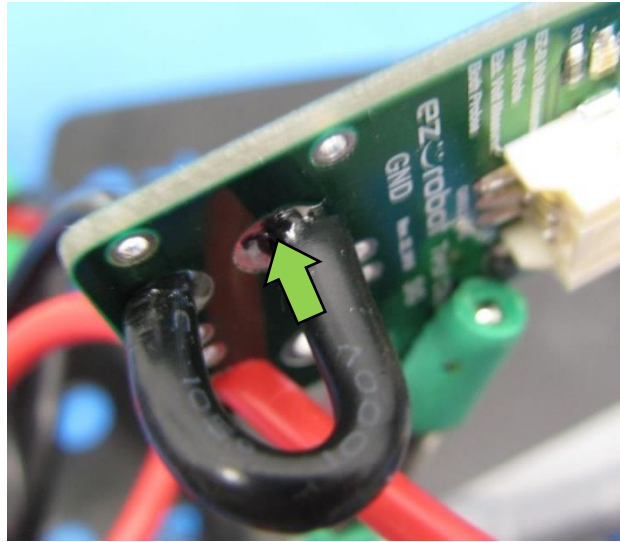
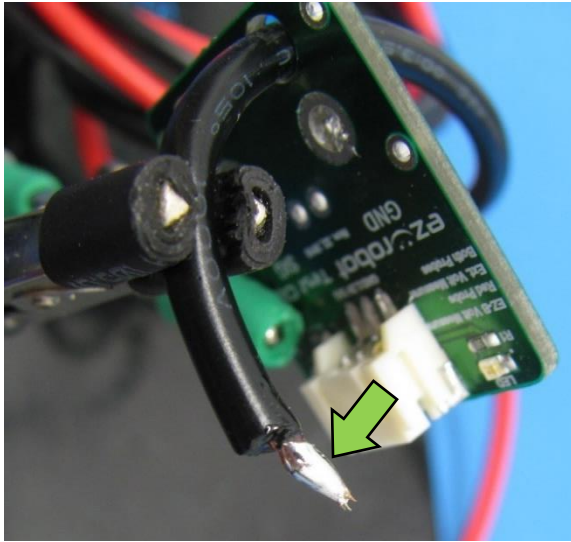
Step 1. Using the Wire Strippers cut the red and black plugs from the C-118 Multimeter probes.



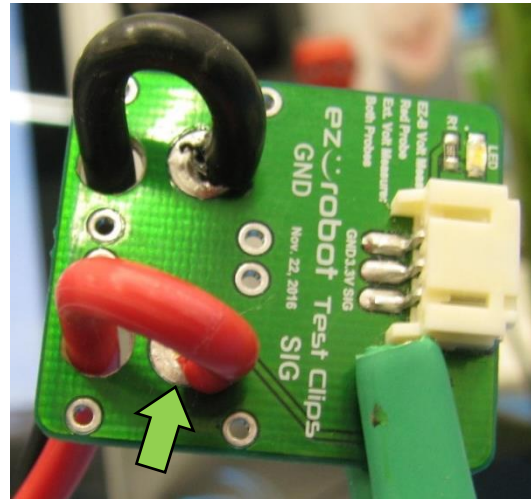
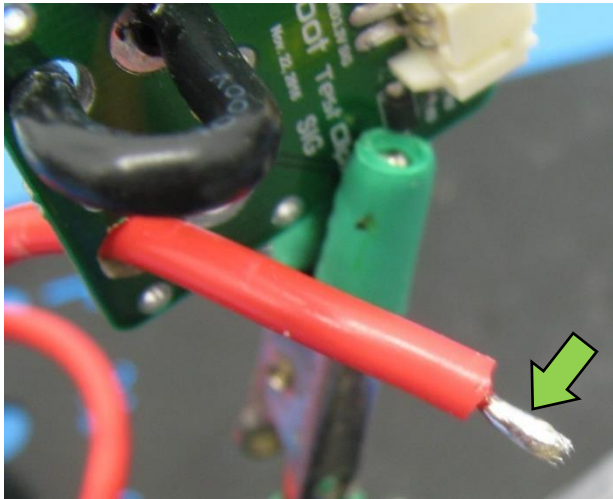
Step 2. Remove 5mm of insulation from the red and black C-118 wire using the Wire Strippers on the 18 AWG setting.



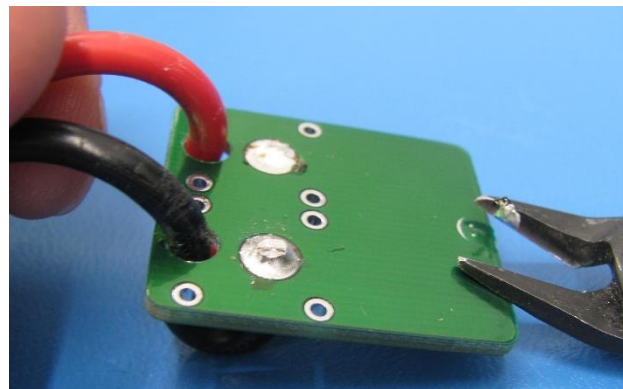
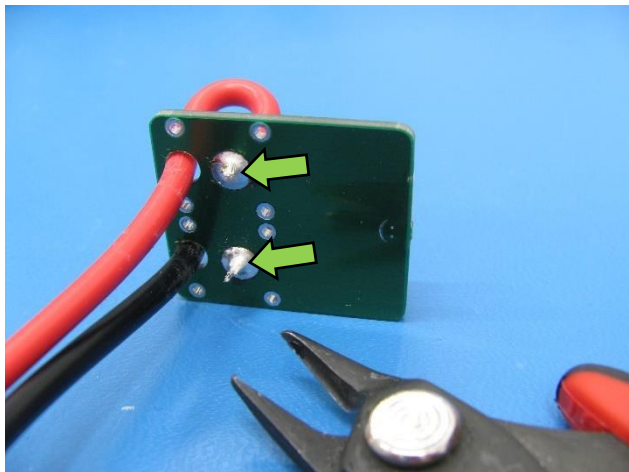
Step 3. Pass the black wire from the back side of the board to the front.



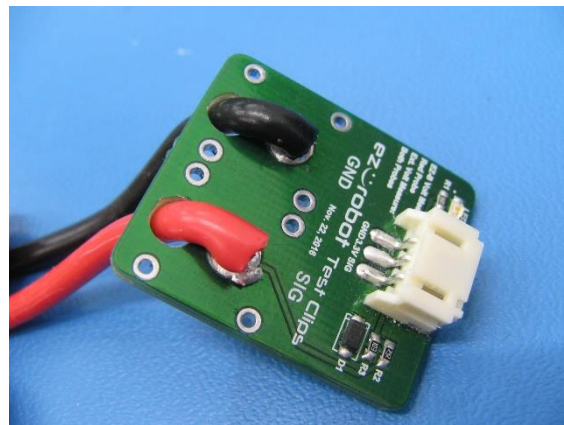
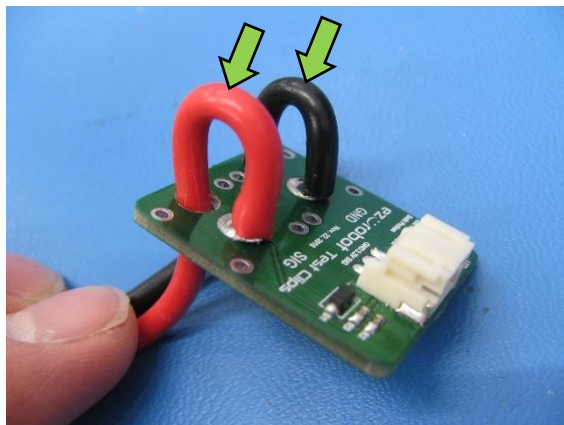
Step 4. Using a soldering iron and solder, tin the black wire and then solder it to the E-28 PCB Pad labelled “GND”



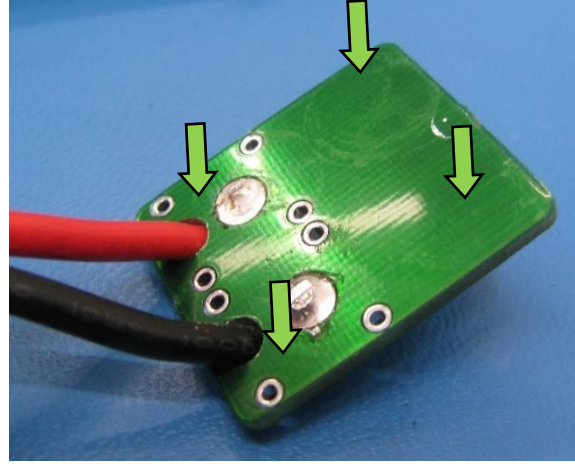
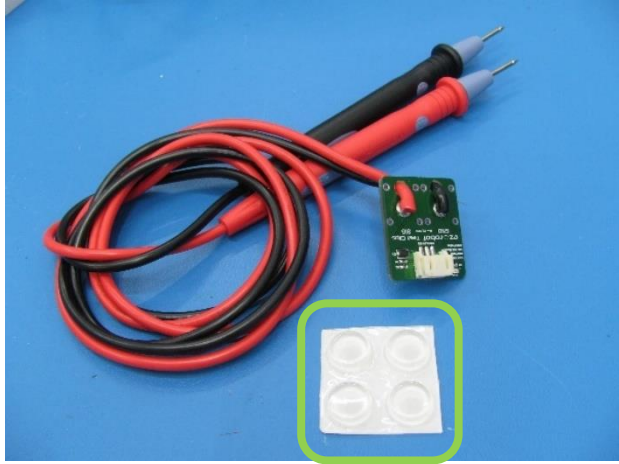
Step 5. Using a soldering iron and solder, tin the red wire and then solder it to the E-28 PCB Pad labelled “SIG”



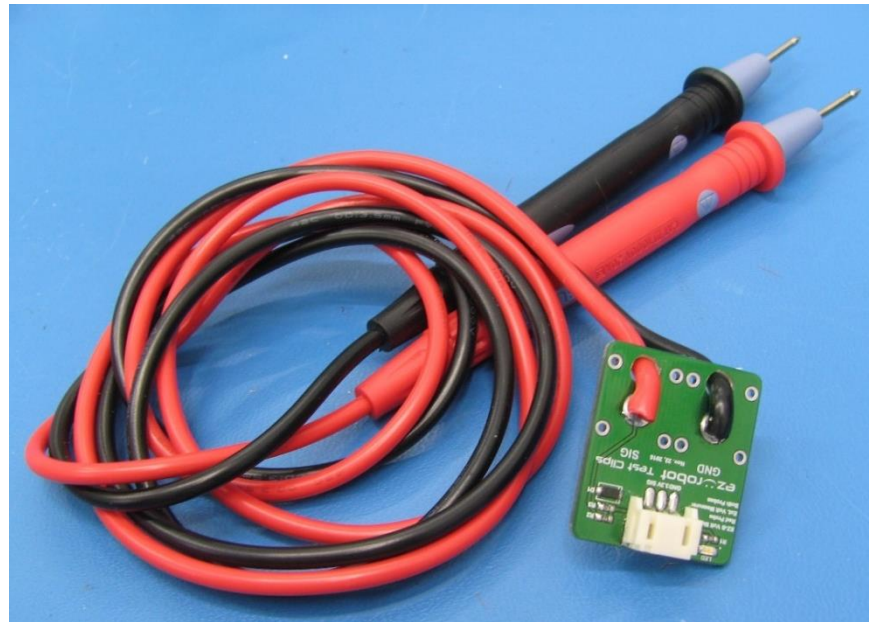
Step 6. At the back of the PCB use the flush cutters to trim the excess off the red and black wires.



Step 7. Push the red and black wires down until they are close to flat against the E-28 PCB.



Step 8. Flip E-28 over and apply 4 x adhesive rubber feet to the 4 corners of the PCB back side.



E-28 Voltmeter is now complete.