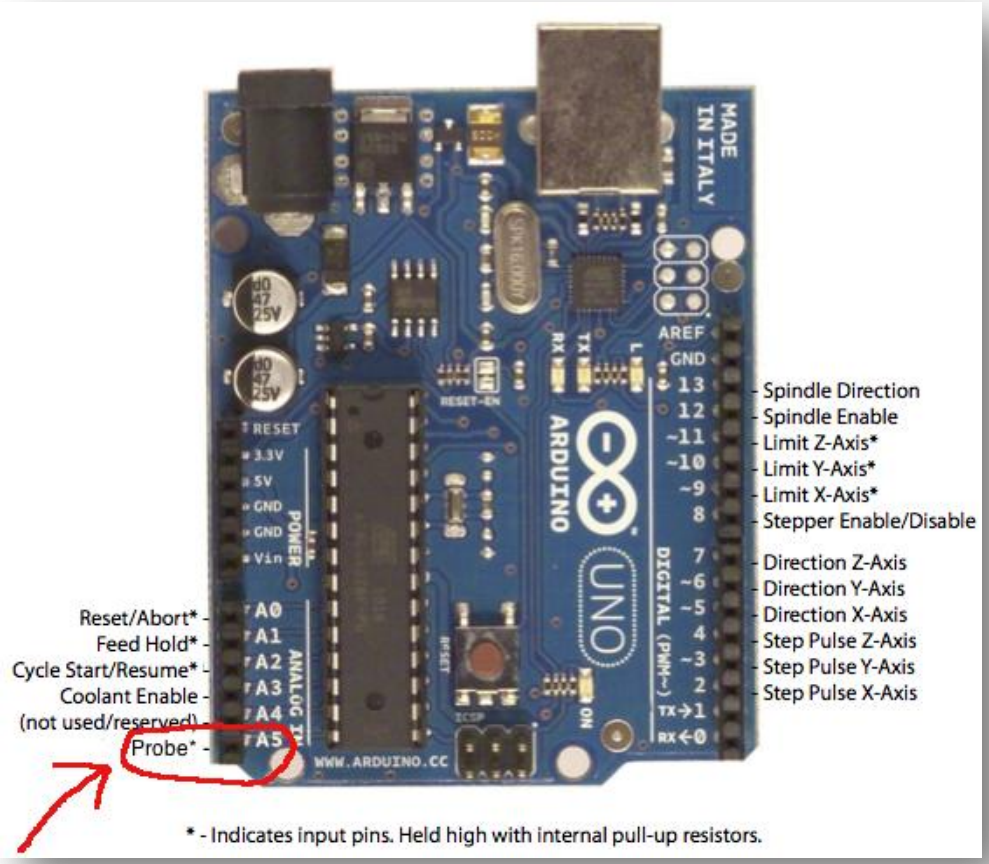
Positive Wire Connection

1. Gain access to the Arduino Board by removing the G-Shield. In the photo here I have marked the location of Pin A-5 in red. It is at the bottom left corner of the board. This pin will supply the positive voltage for the touch plate.

2. Apply a small amount of solder to a piece of wire with the end stripped back about 1/4 inch. This will allow you to push the wire into Slot A5 and should hold it in place.

3. There should be enough space to route the wire out the back of the Arduino enclosure without any modifications to the enclosure. Once inserted, reinstall your G-Shield and enclosure.



4. Route this wire to a location of your choice. Some like to use a plug of sorts so they can remove their touch plate wiring when not in use. This wire will eventually be connected to the touch plate.

Negative Wire Connection

1. Connect a wire to the negative terminal at the power supply. Depending on your setup, your spindle may be connected here as well.

2. Add an alligator clip to the other end of the negative wire. This will be clipped directly to the bit during the zeroing process. Be sure to use a clip large enough to connect to your maximum bit diameter but not any larger than necessary.