

## Tool list

The following is a list of items needed/recommended for soldering the adapter shield together:

- wire cutters
- wire strippers
- soldering iron
- small diameter solder wire
- masking tape and rubber bands (use to hold components in place while soldering)
- small straight blade screw driver (used for screw headers)
- Q-tips and isopropyl alcohol (for cleanup). A small acid brush can be used, too.
- Multimeter. Used for testing solder connections
- 0 – 1” Dial Indicator. Used to check scale version & calibrate TouchDRO.
- Arduino IDE. Download from <https://www.arduino.cc/en/main/software>. Install this on a desktop or laptop computer. It is used to program the Arduino. It is NOT used on your tablet.

Optional (but HIGHLY recommended) tools:

- Needlenose pliers. Used to put bends in jumper wires and place them on the board
- Ultra-fine Sharpie to mark wire lengths and label connectors
- Magnification device. Strong cheaters also work. (Hey, I’m getting old[er] ....)
- Liquid soldering flux. Used to re-flow joints, repair solder bridges, desoldering, etc.
- Tweezers may also be used to place jumper wires onto the board.