A close-up of a circuit board

Description automatically generatedSetting the Voltage Regulator (LM2596 DC-DC Buck Converter)

1. Connect the provided 7.4v battery to the positive and negative pads on the “IN” side of the voltage regulator.
2. Set your multimeter to measure voltage.
3. Touch the positive and negative pads on the “OUT” side with the multi-meter probes.
4. Use a flathead screwdriver to rotate the brass screw **counterclockwise** and watch the voltage reading decrease on the multi-meter until you reach 3.3V.

Never connect the battery directly into the ESP32, without using the LM2596 to step down the voltage to 3.3V.

A multimeter is available in the DMC at the electronics workbench for in house use. We recommend setting all your voltage regulators at once, so you have the ready as you are working.