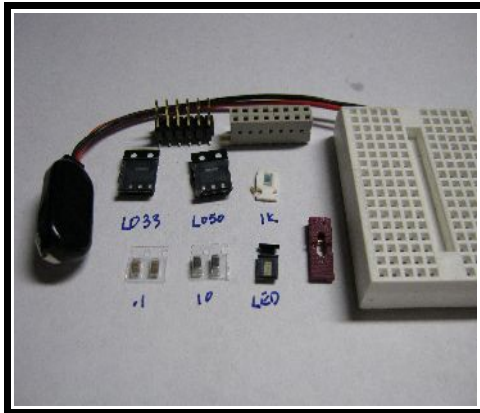
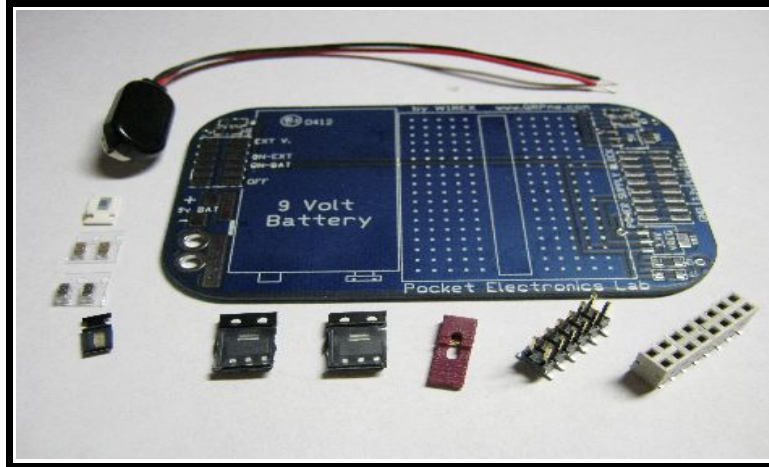


Pocket Electronics Lab Parts Splay

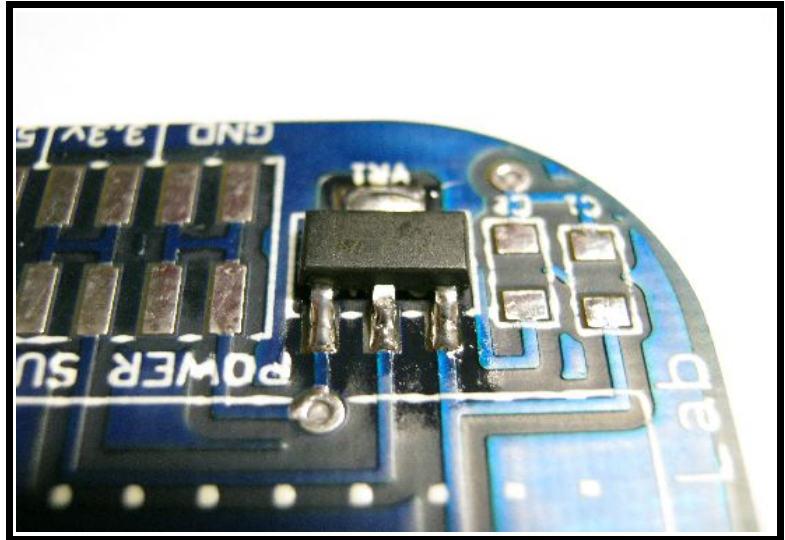


Sort the parts out and mark them for easier assembly.

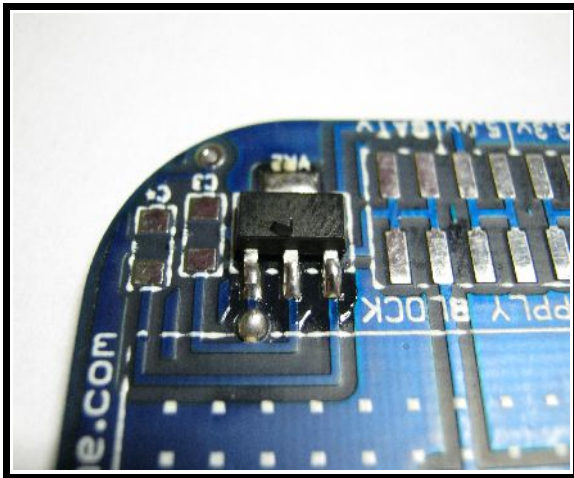
The SMD caps are shown side by side. The smaller parts are the .1uf caps while the others that are MUCH bigger are the 10uf caps.



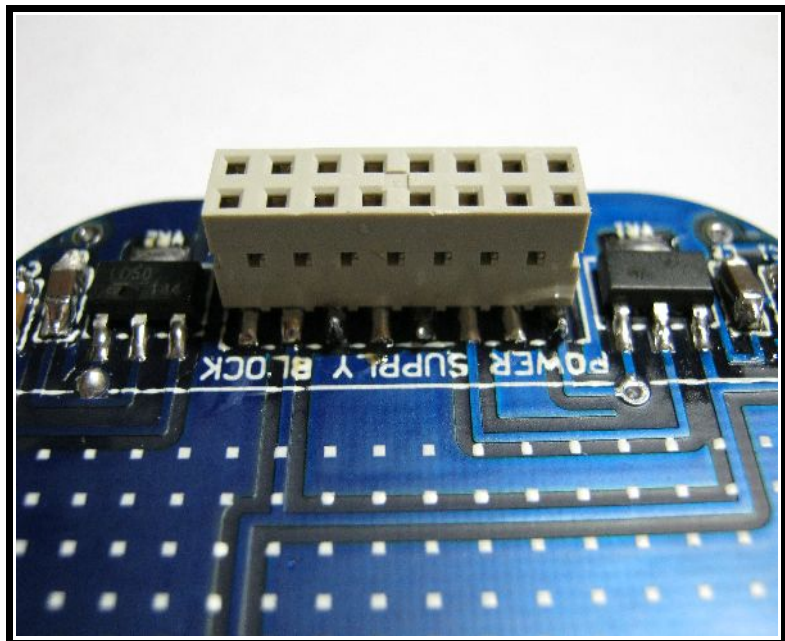
VR1 is the package marked L033



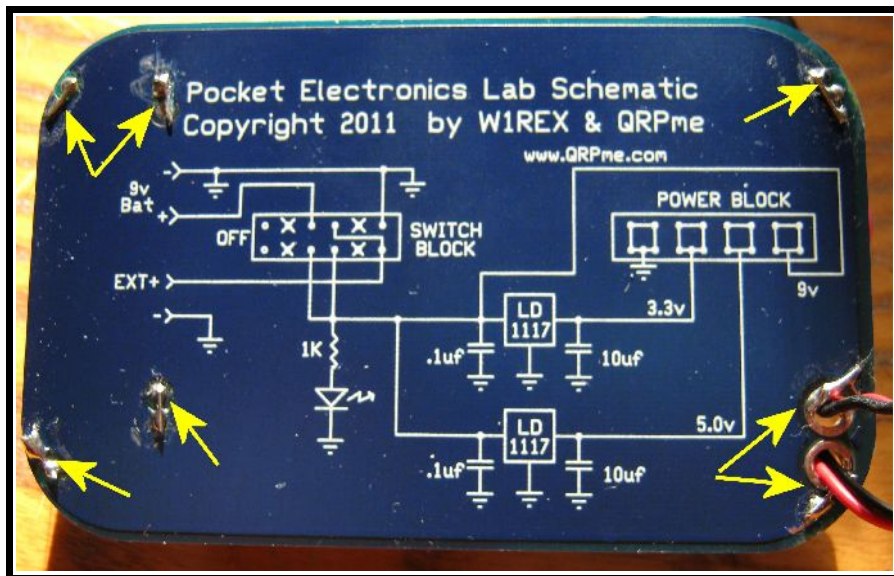
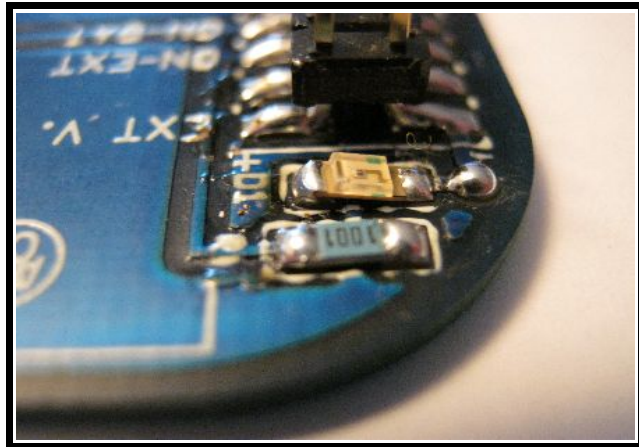
VR2 is a 5.0 volt low drop out voltage regulator and is marked L050



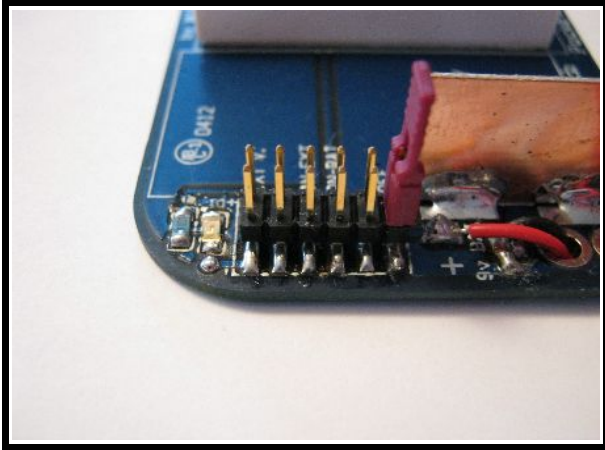
A 2x8x.1" SMD female connector is used for the power block. Each voltage, (ground, 3.3v, 5.0v & 9v battery) is available in a 2x2 four hole matrix.



On the battery end, a resistor and LED are installed to indicate power on.



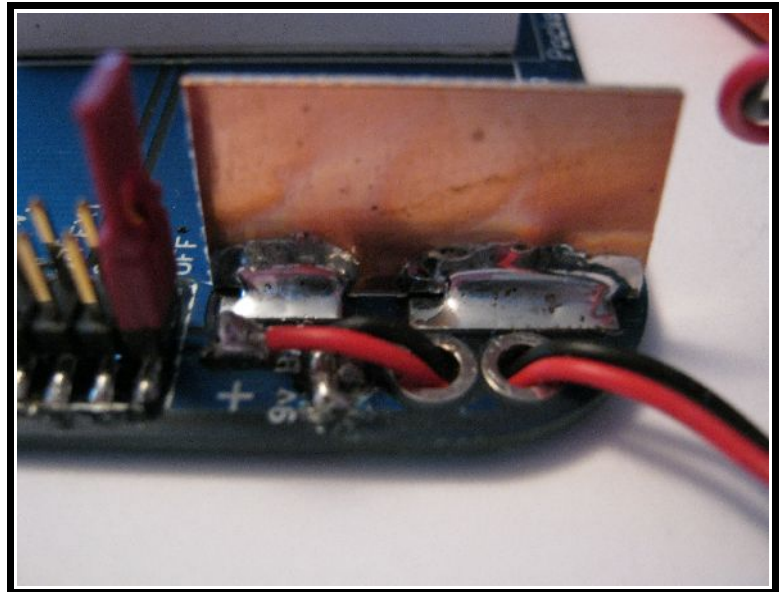
There are 7 holes in the printed circuit board and the bottom pads need to be shorted to the ground plane. Scrape a little solder mask off the ground plane near each hole and use a short piece of zero ohm resistor lead to bridge the pad to the ground plane. Form a short 'L' with the resistor lead, tin it, and then make the bridge. Then cut off the vertical part of the 'L' and move on to the next pad.

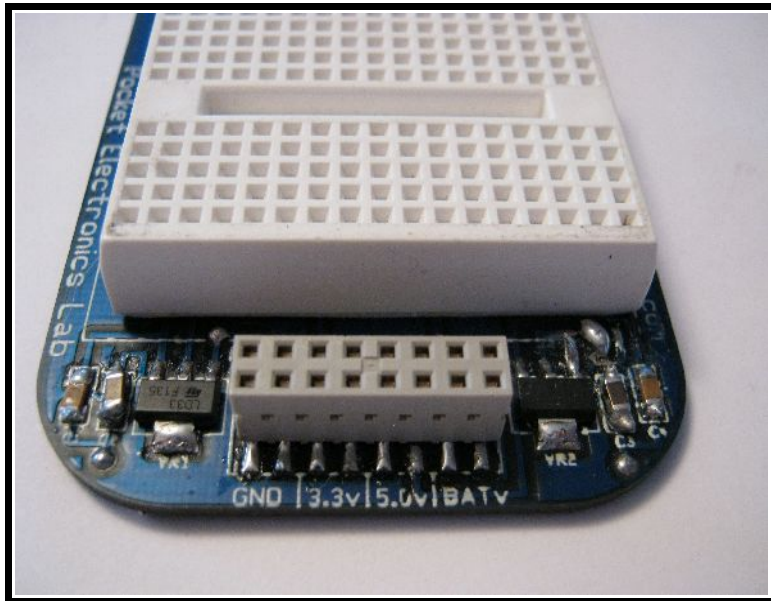


A 2x6x.1" male connector and shorting jumper are used for both a power on switch and aux. power input connector & selector.

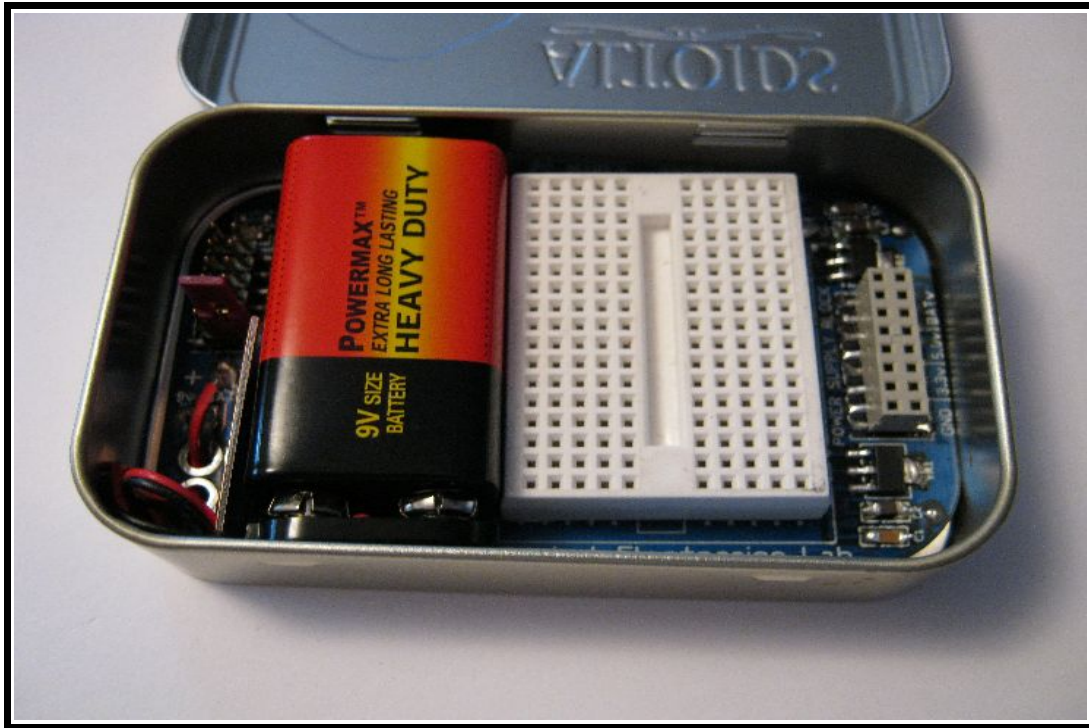
The 9 volt battery leads are passed DOWN through the right hand hole and then back up through the left hole before soldering to the power pads.

A small 1/2" x 1" piece of bare pcb board can be soldered to the two rectangular pads to form a anti-slide stop for the battery.





The 170 tie point solderless breadboard is added to the power block end.



The completed assembly fits perfectly into the ubiquitous pocket perfect mint tin...