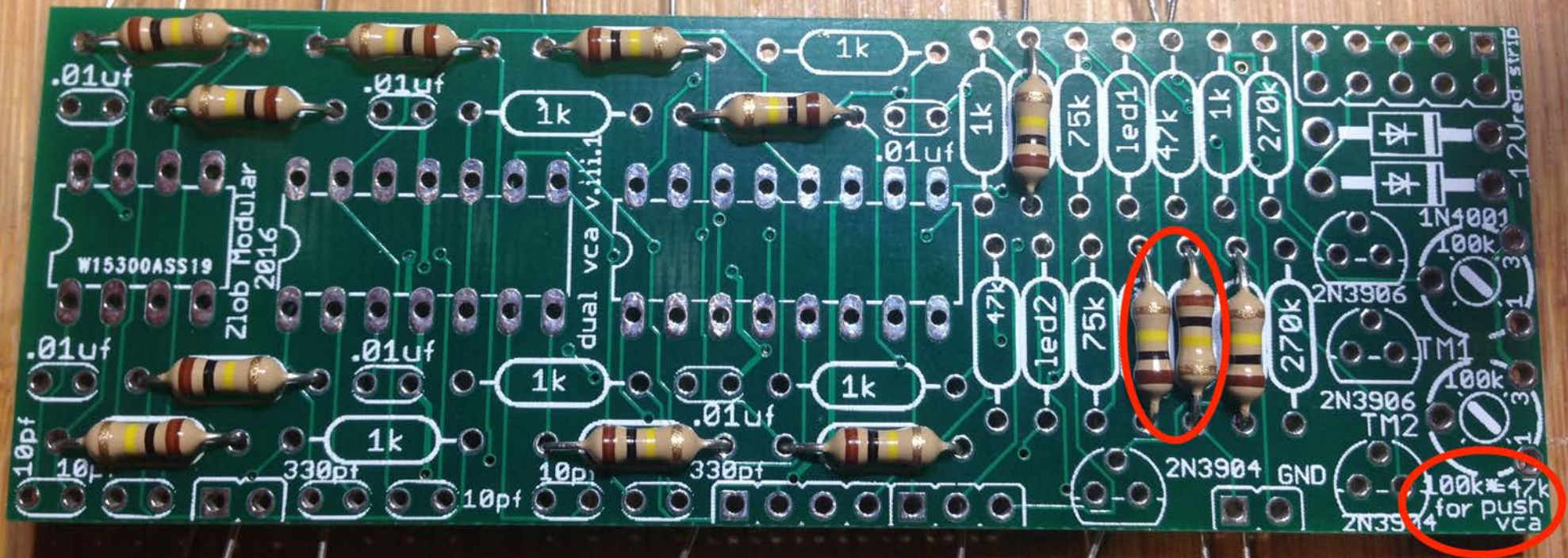


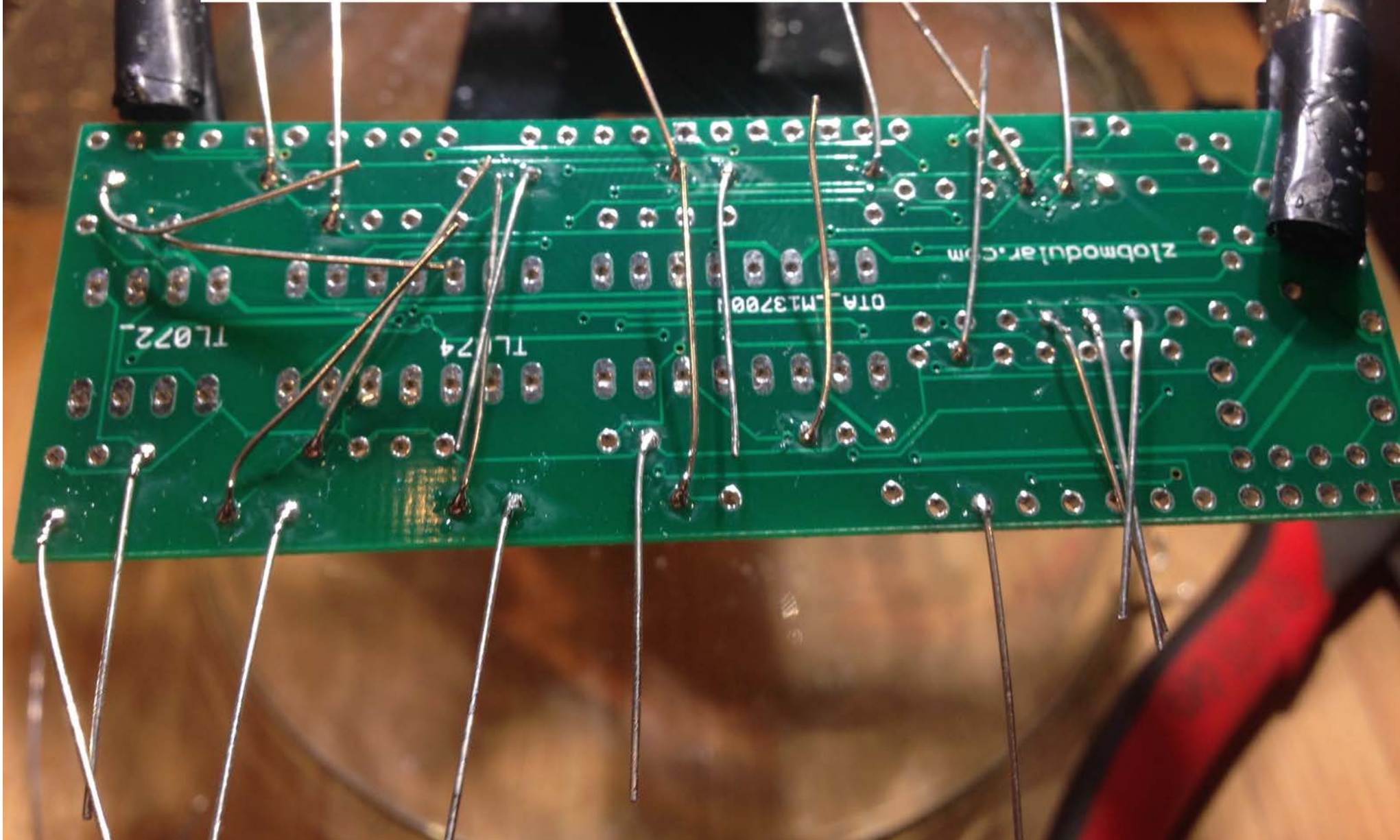
100k



for push vca resistors (100k\*) circled in red should be 47k

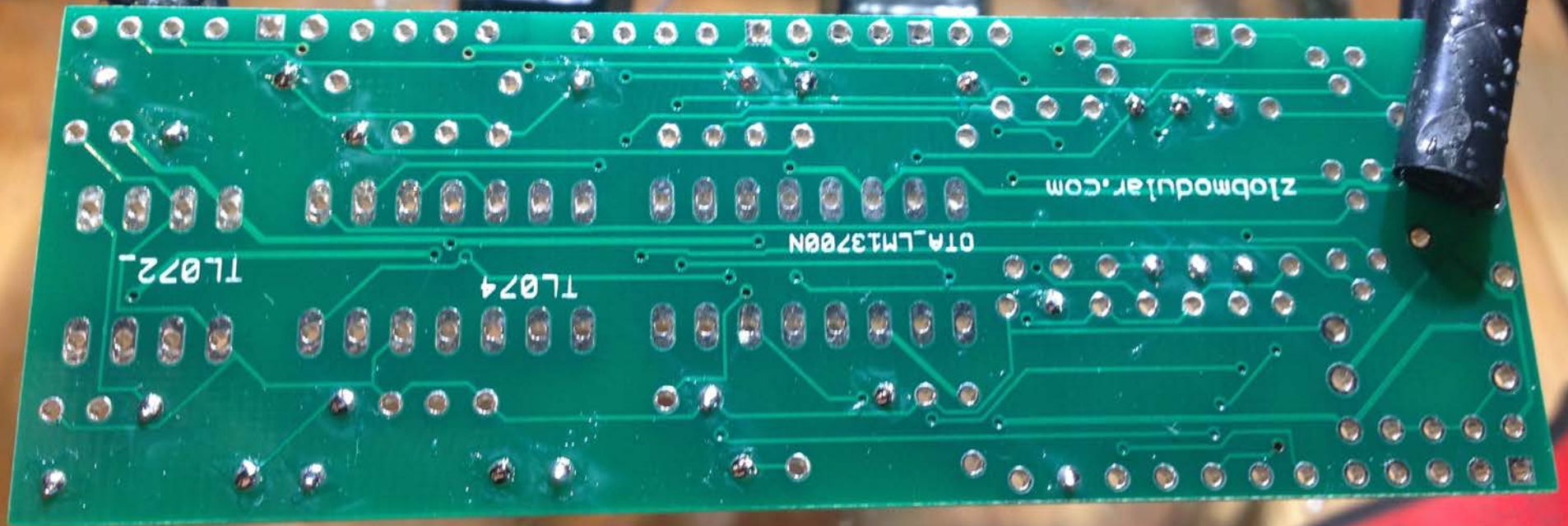


apply tape to helping hands clips to prevent damage to pcb.resistor legs should be bent to hold in upside down when soldering



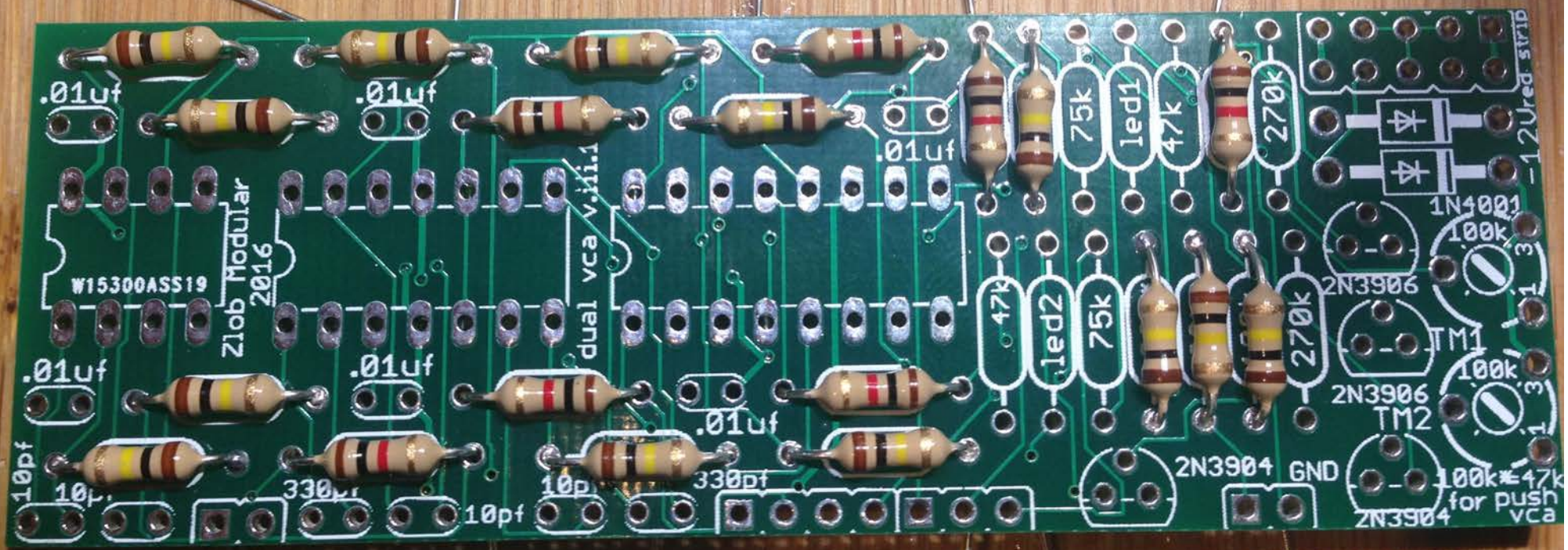


snip resistor legs and make sure remaining leads dont touch nearby traces. in some cases you should rehit the solder joint to soak the solder back to the pads.



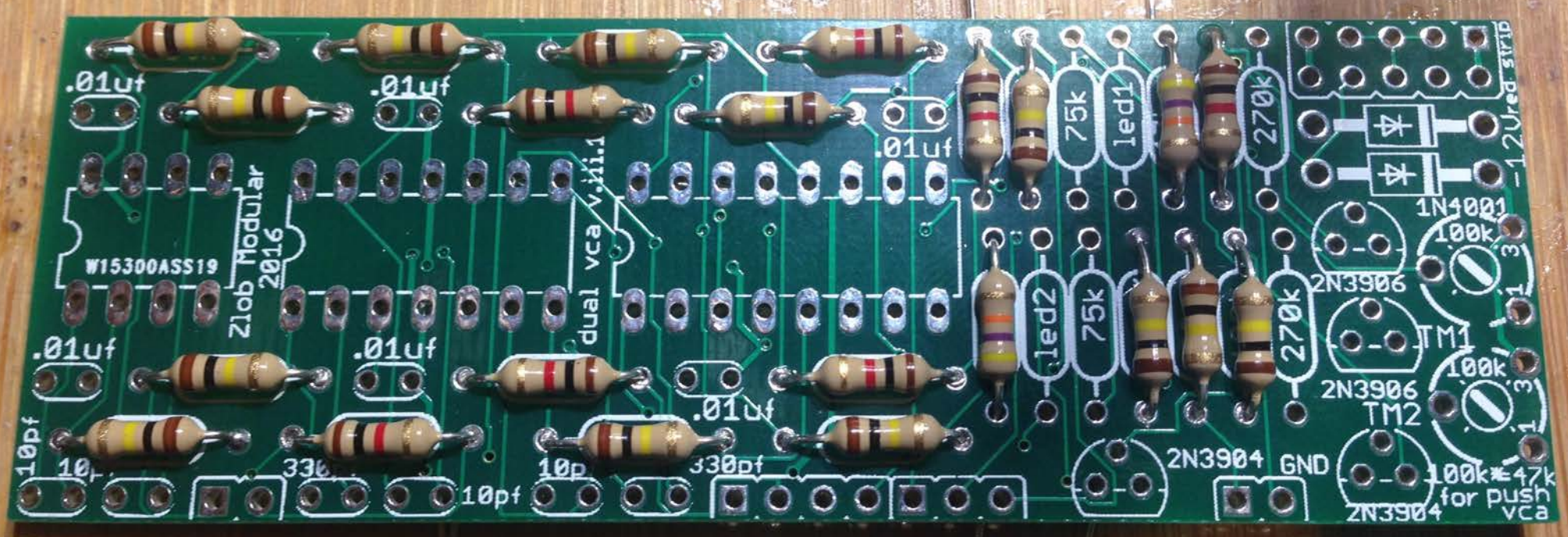


1k



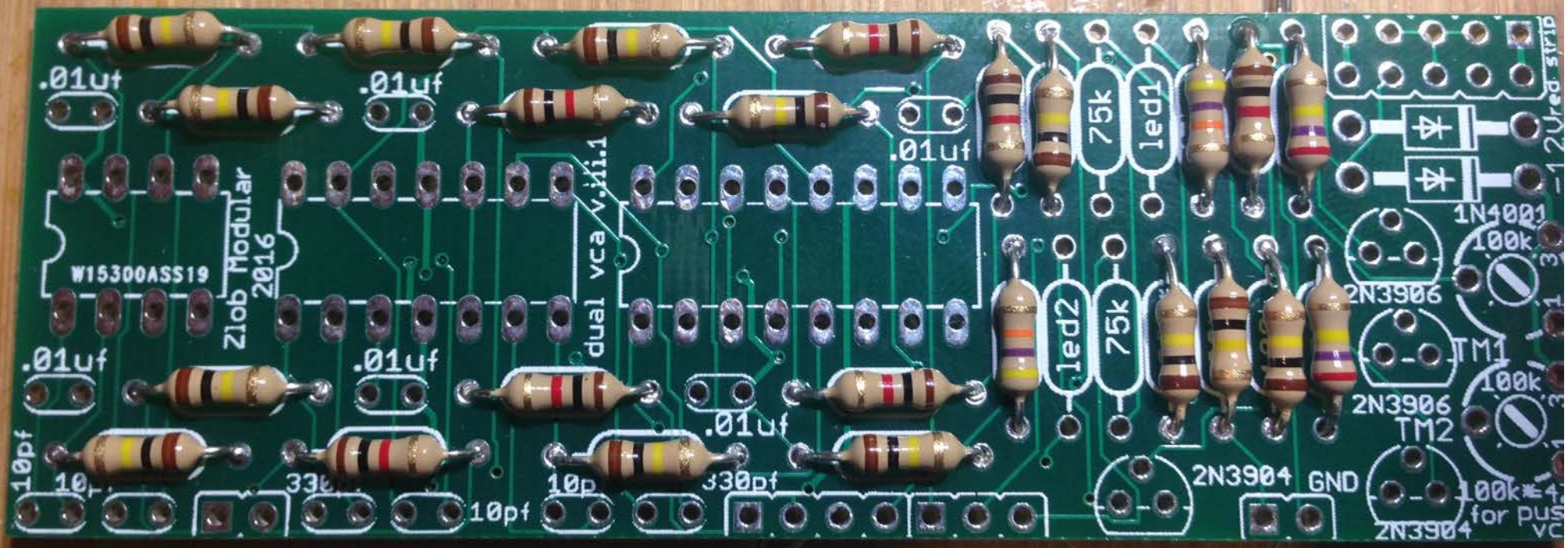


47k





270k

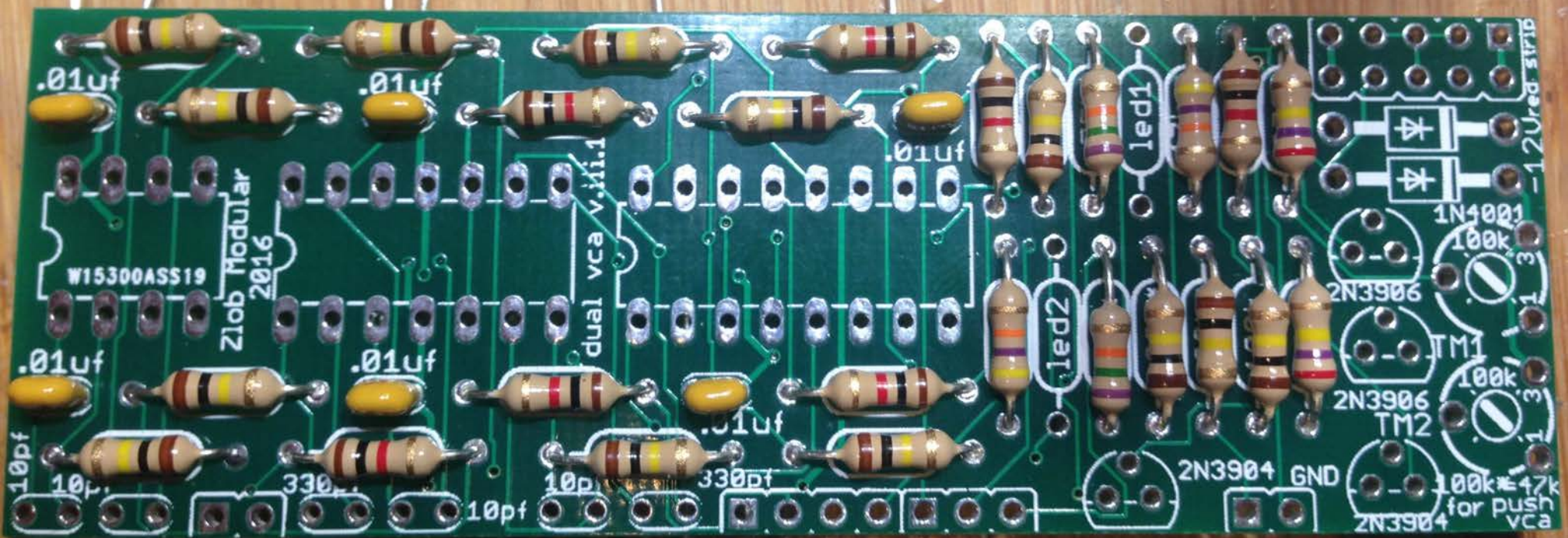






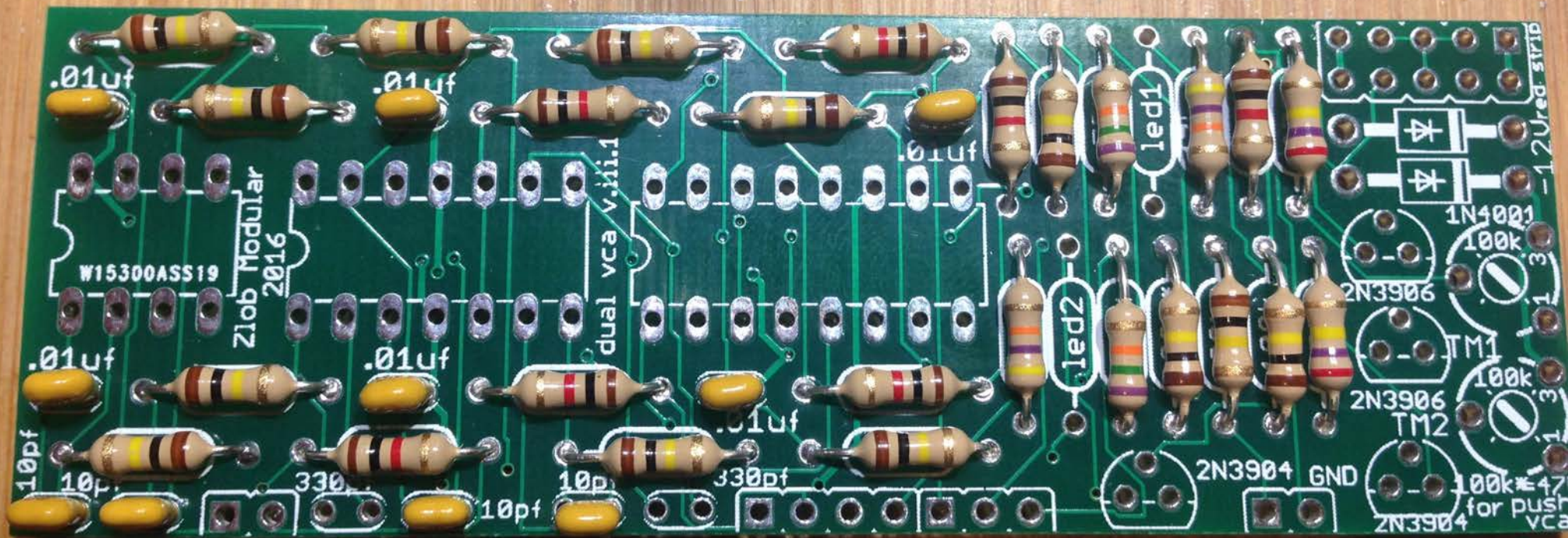


0.01uf



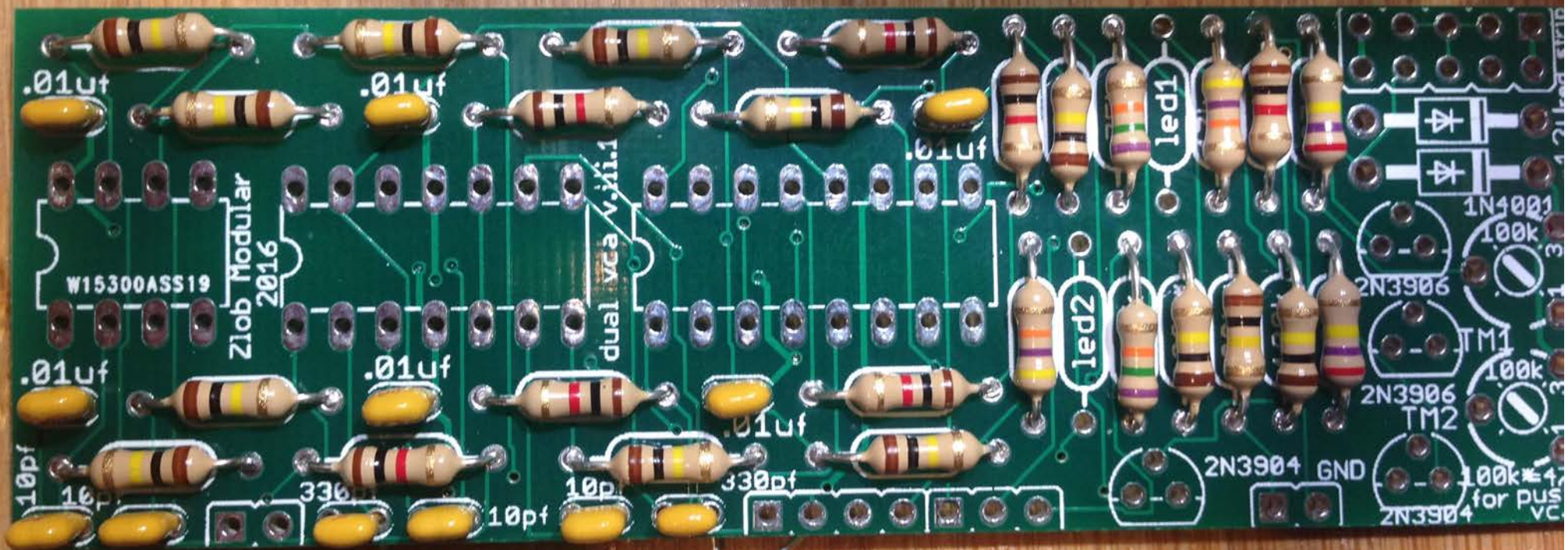


10pf



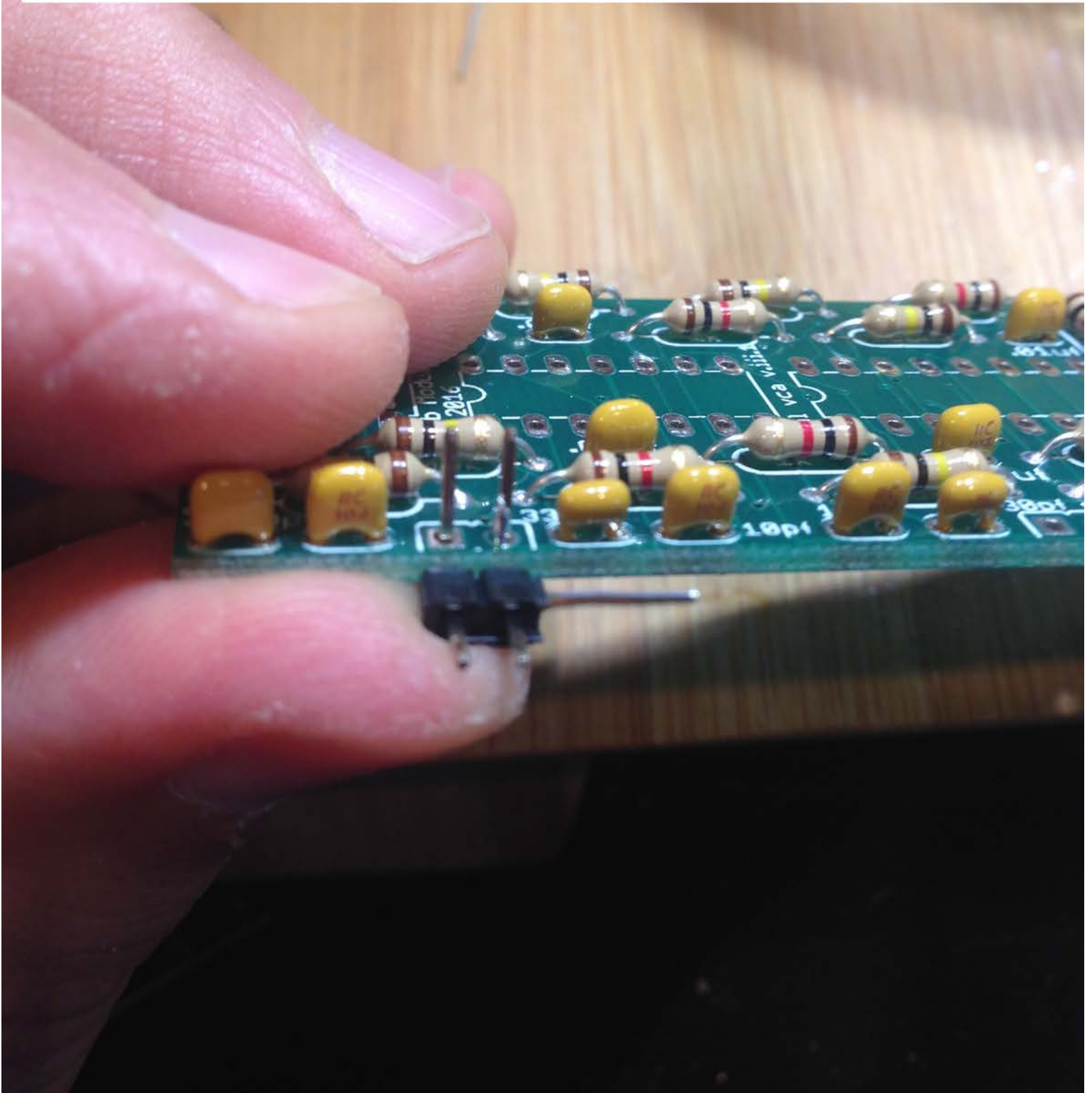


330pf



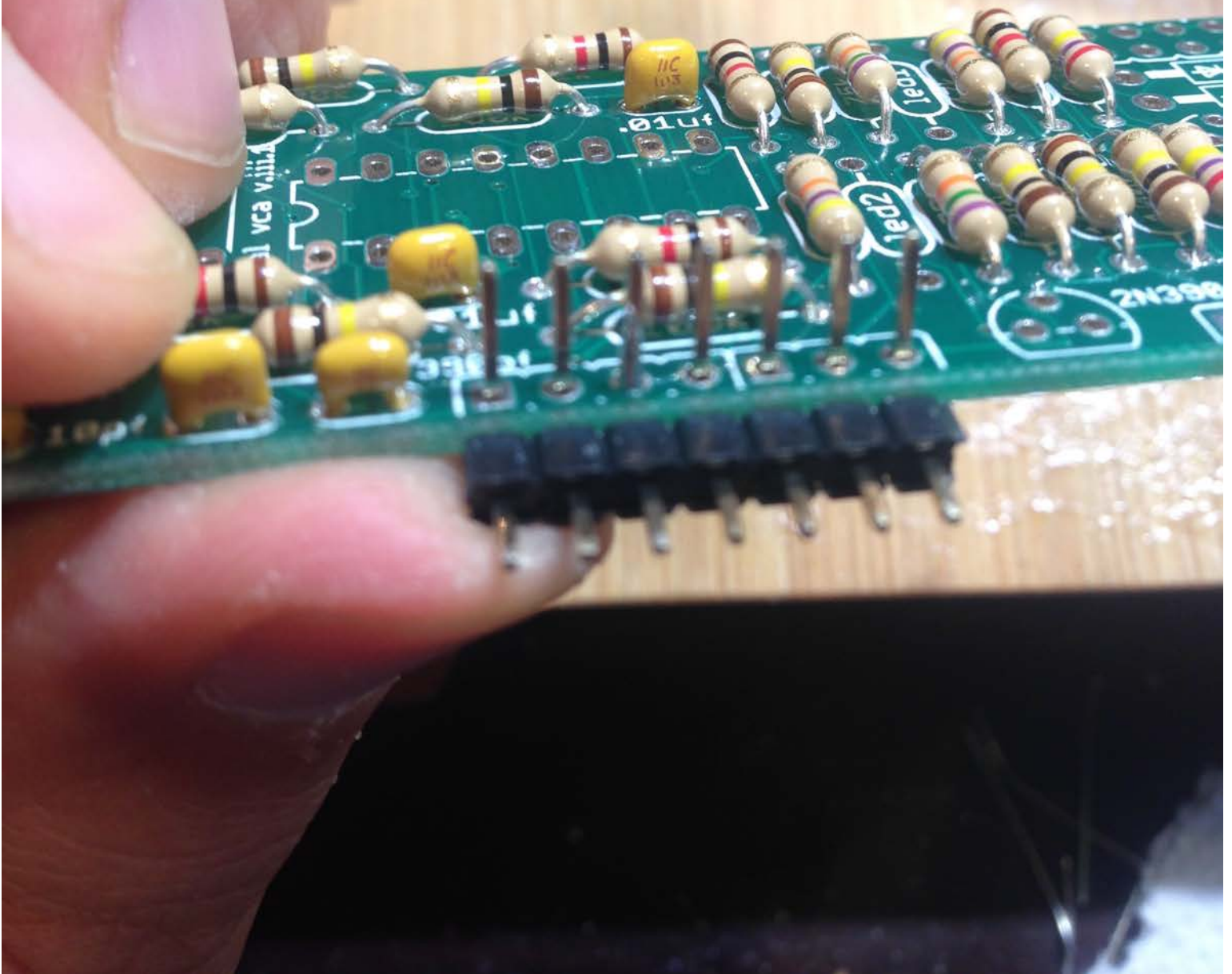


hold header in and hit with  
solder iron with other hand

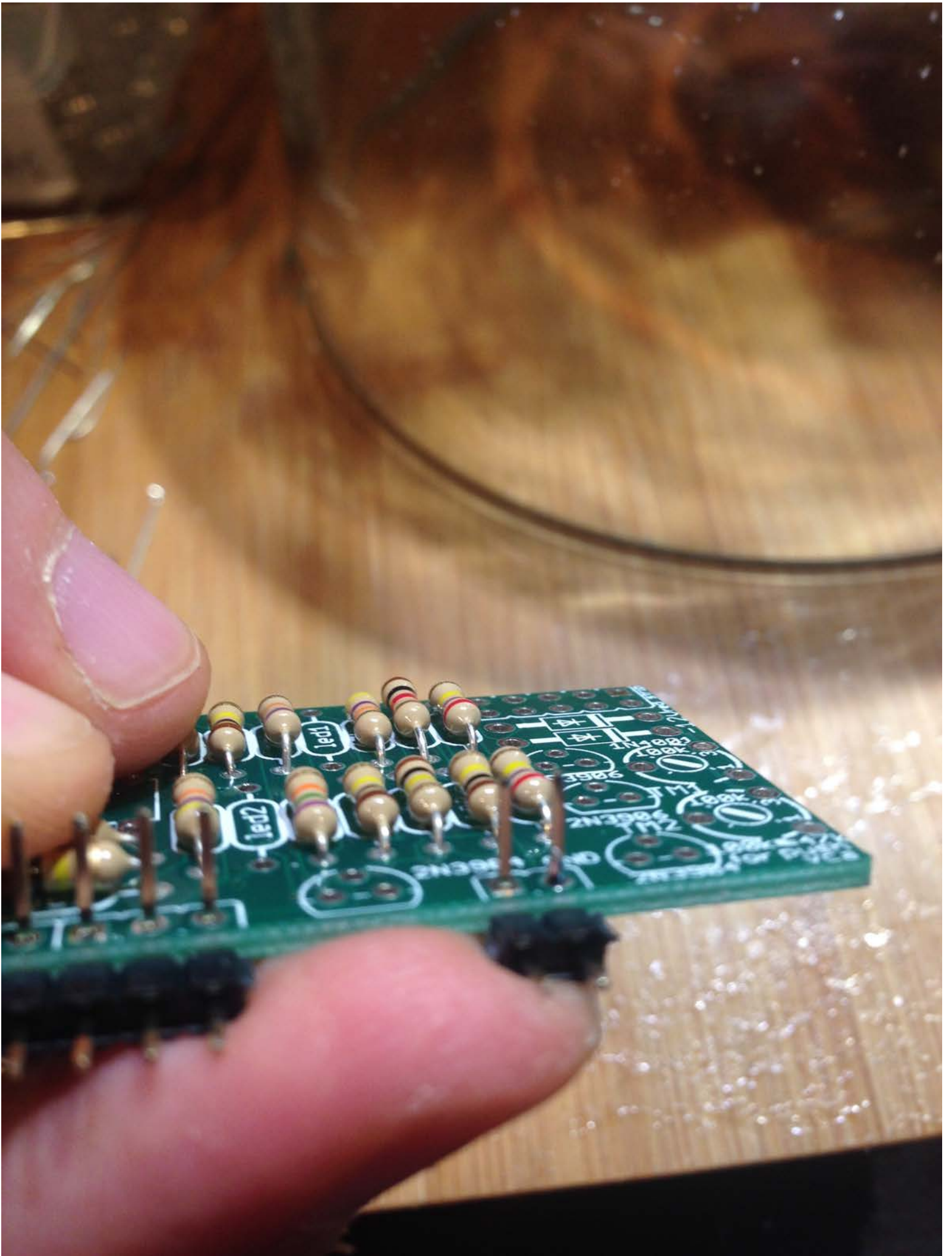




hold and solder 1 or 2 pins  
to lock to pcb. all 3  
headers should be flush

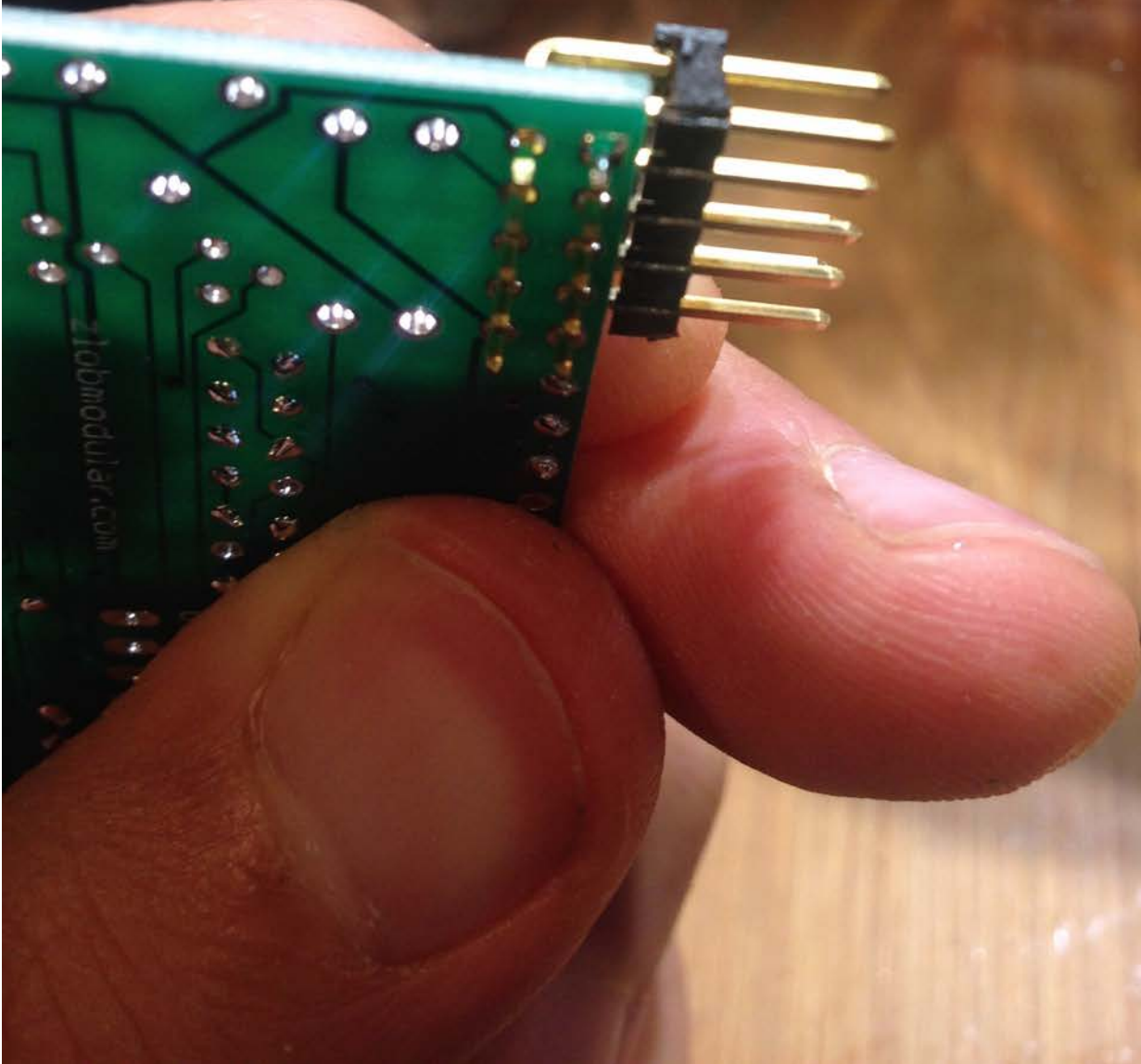






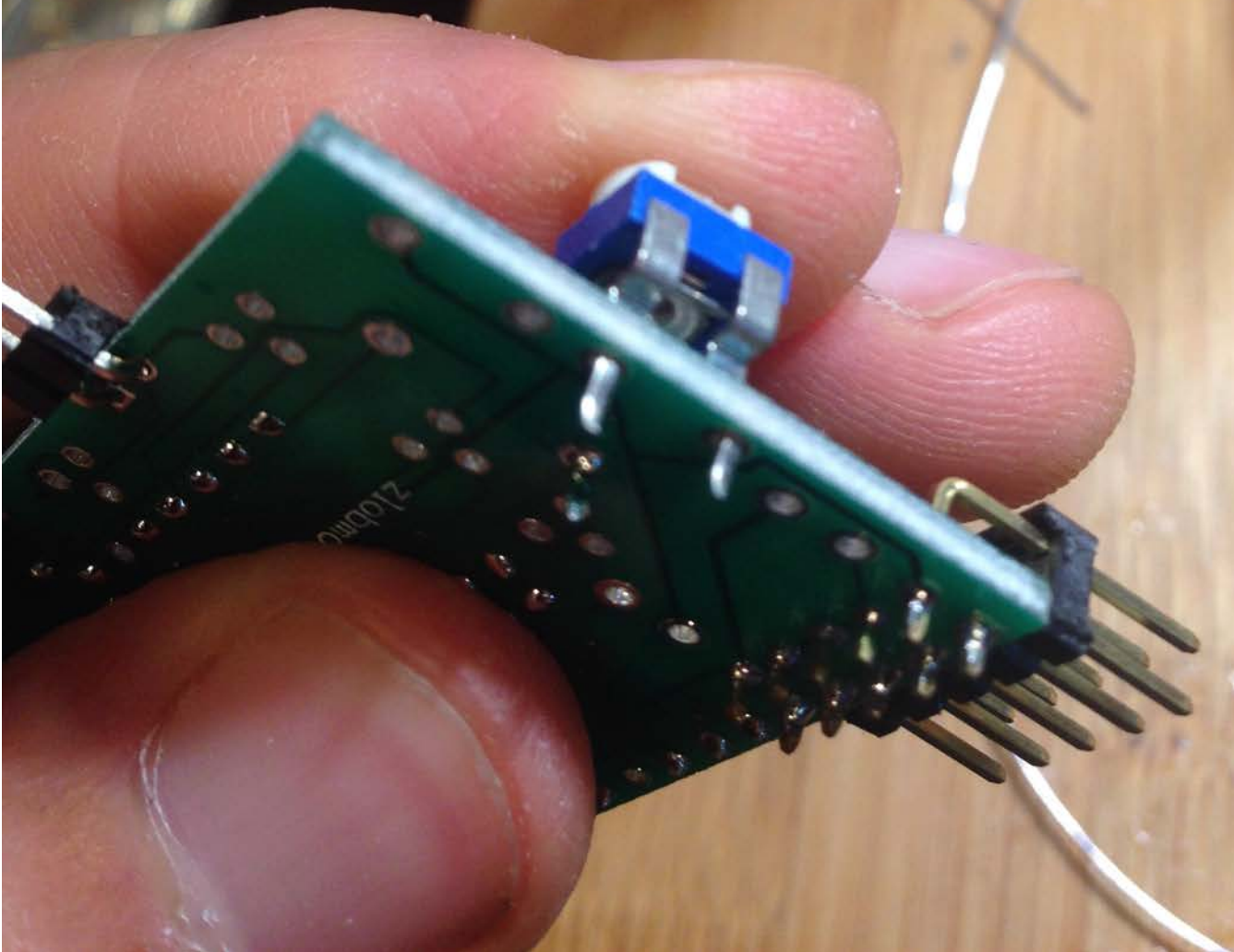


repeat same method  
for power header



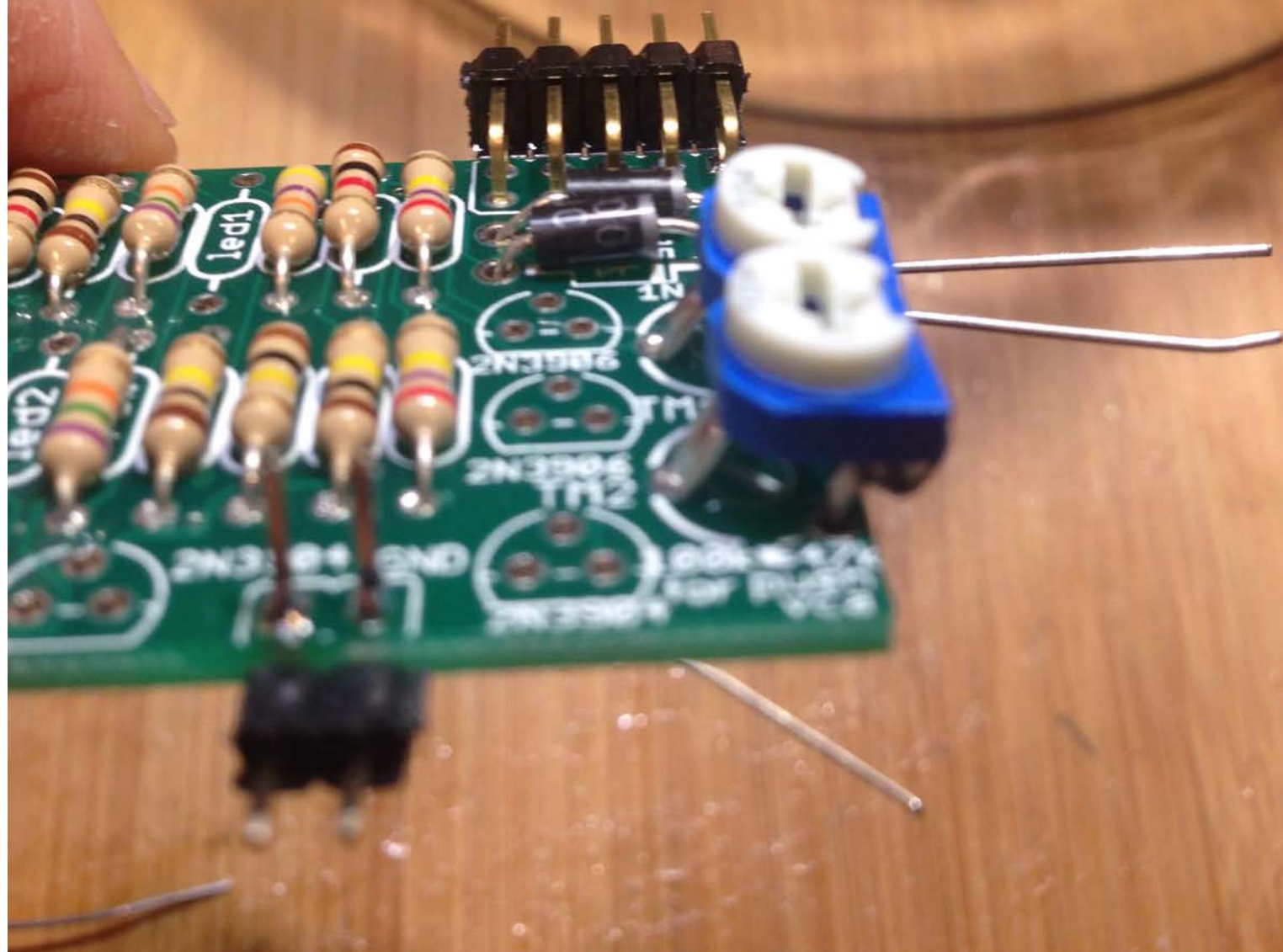


same method for trims





bend the trims a little to the right so it fits into 2hp better. add diodes and follow proper polarity



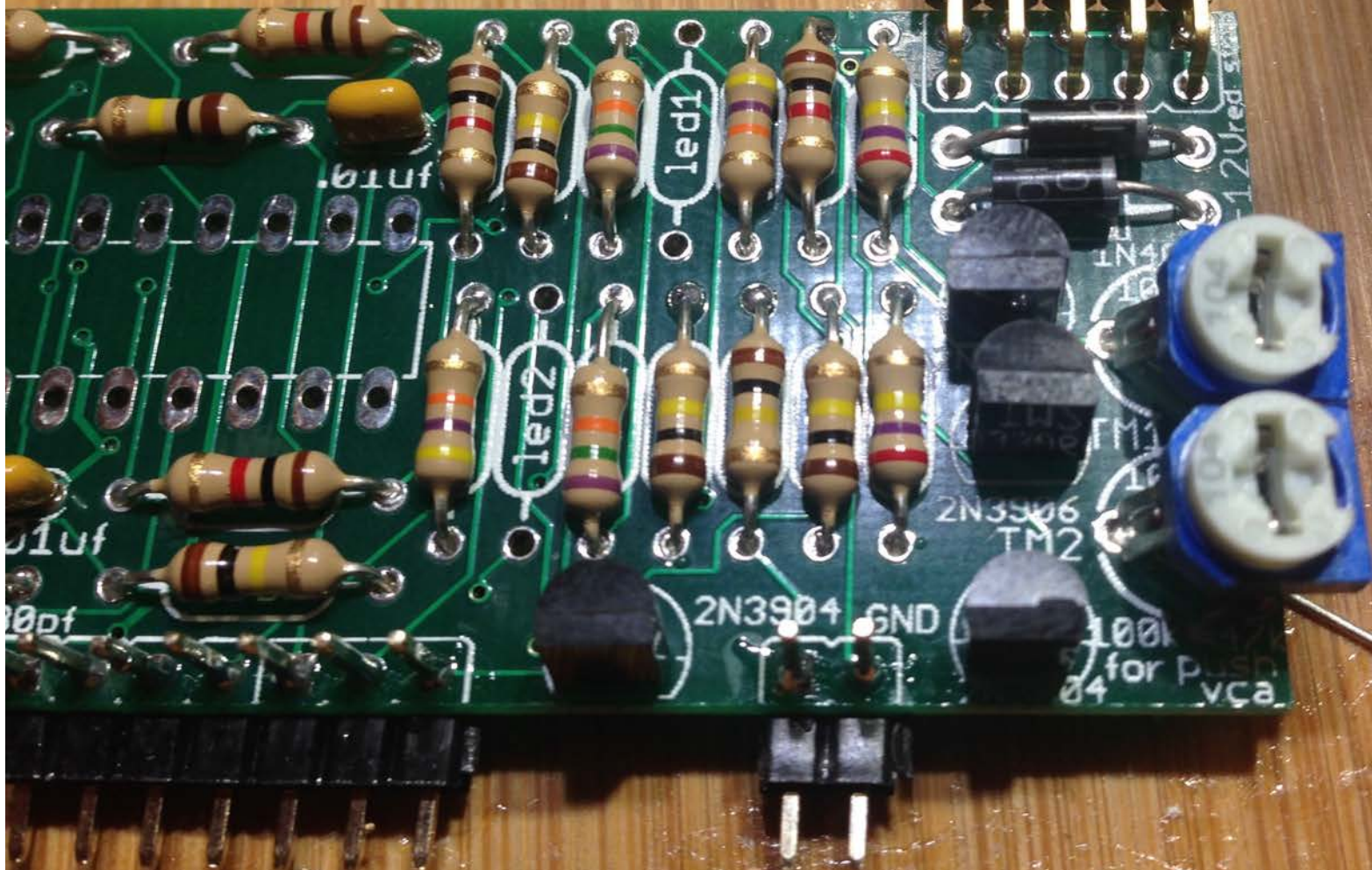


put pcb on a flat surface and solder remaining jumper pins. then add the two 3904 transistors



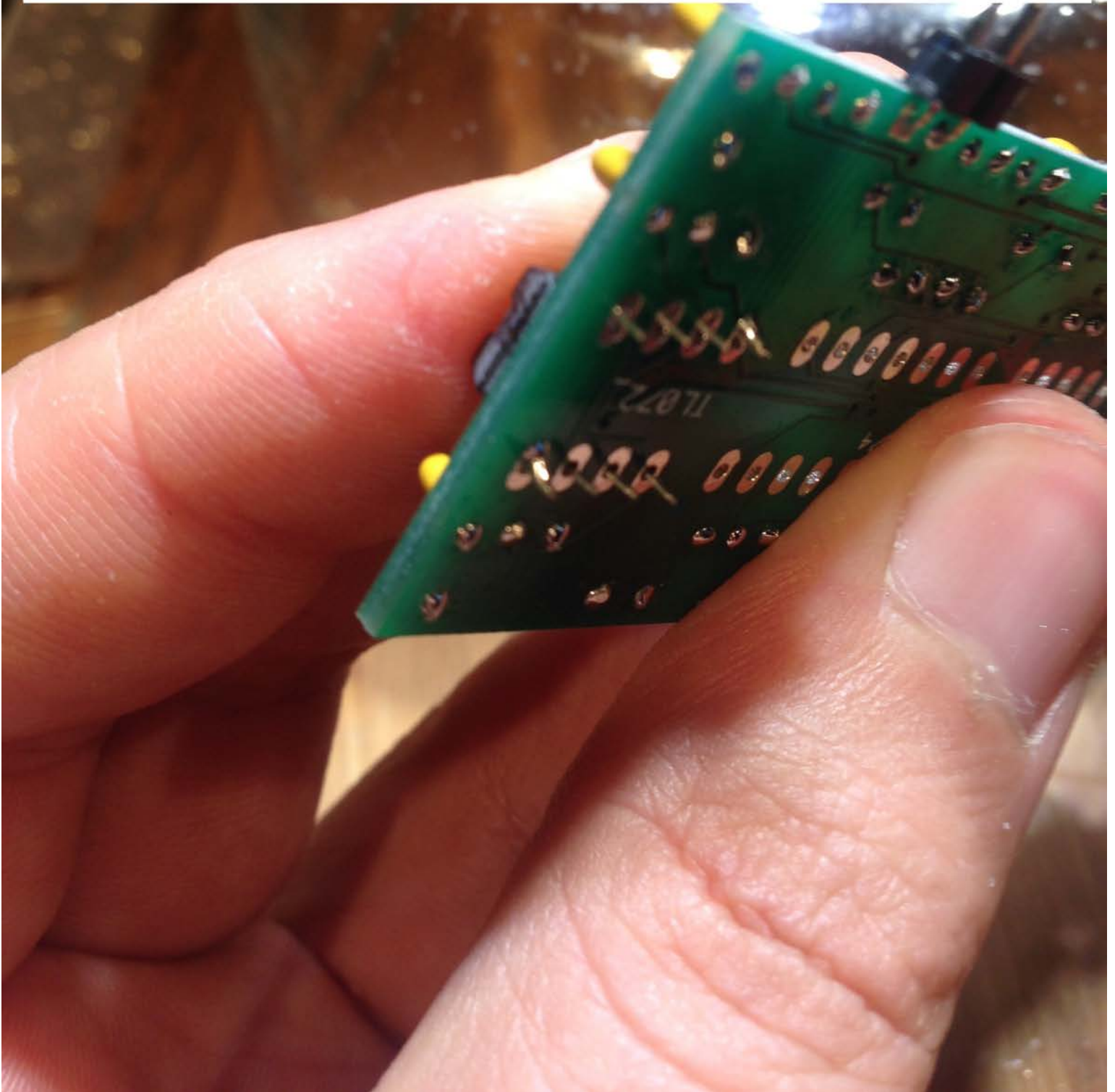


3906



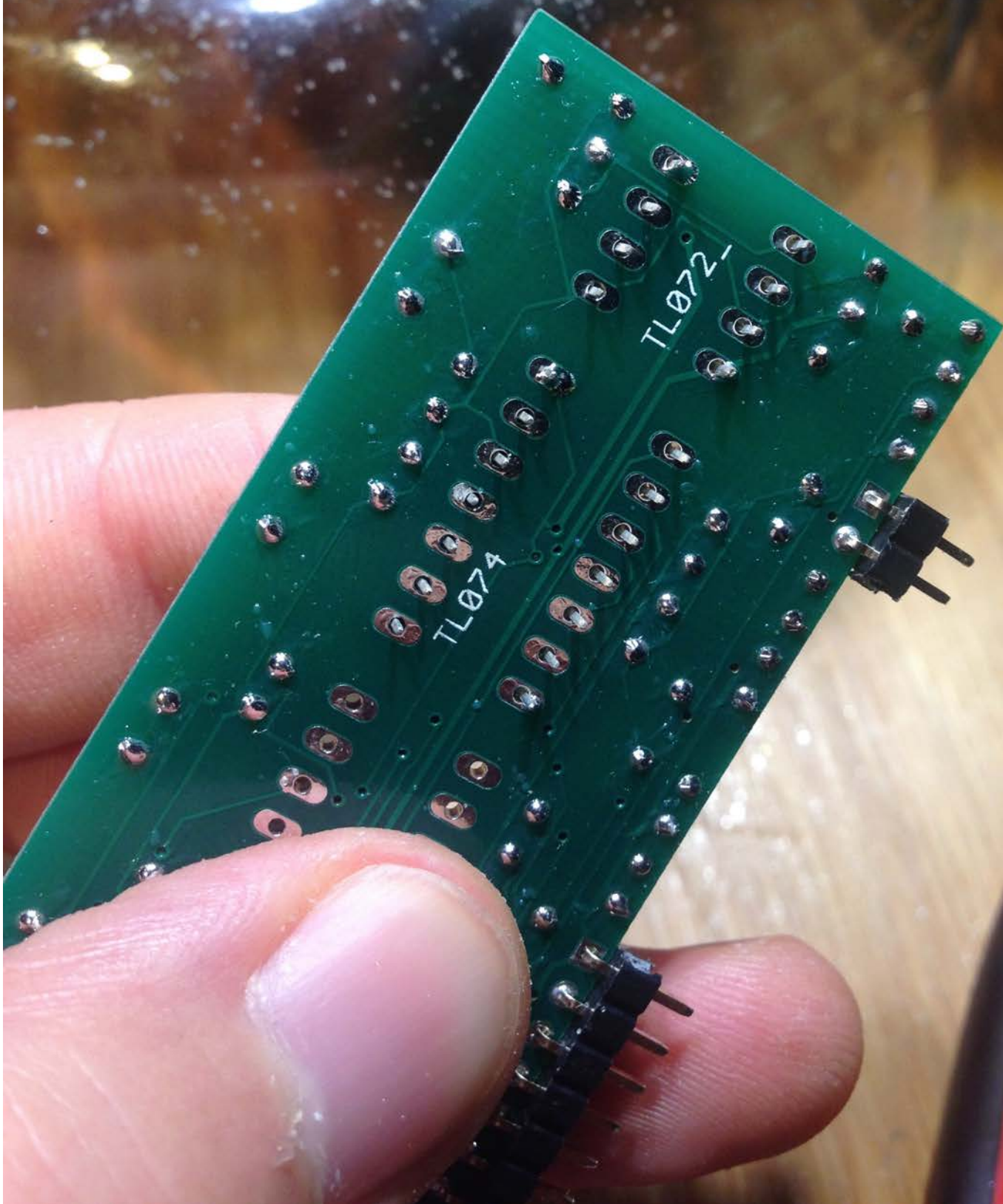


carefully solder ics, without sockets. ensure notch is on the left. hold in and hit diagonal legs with the iron to hold in place



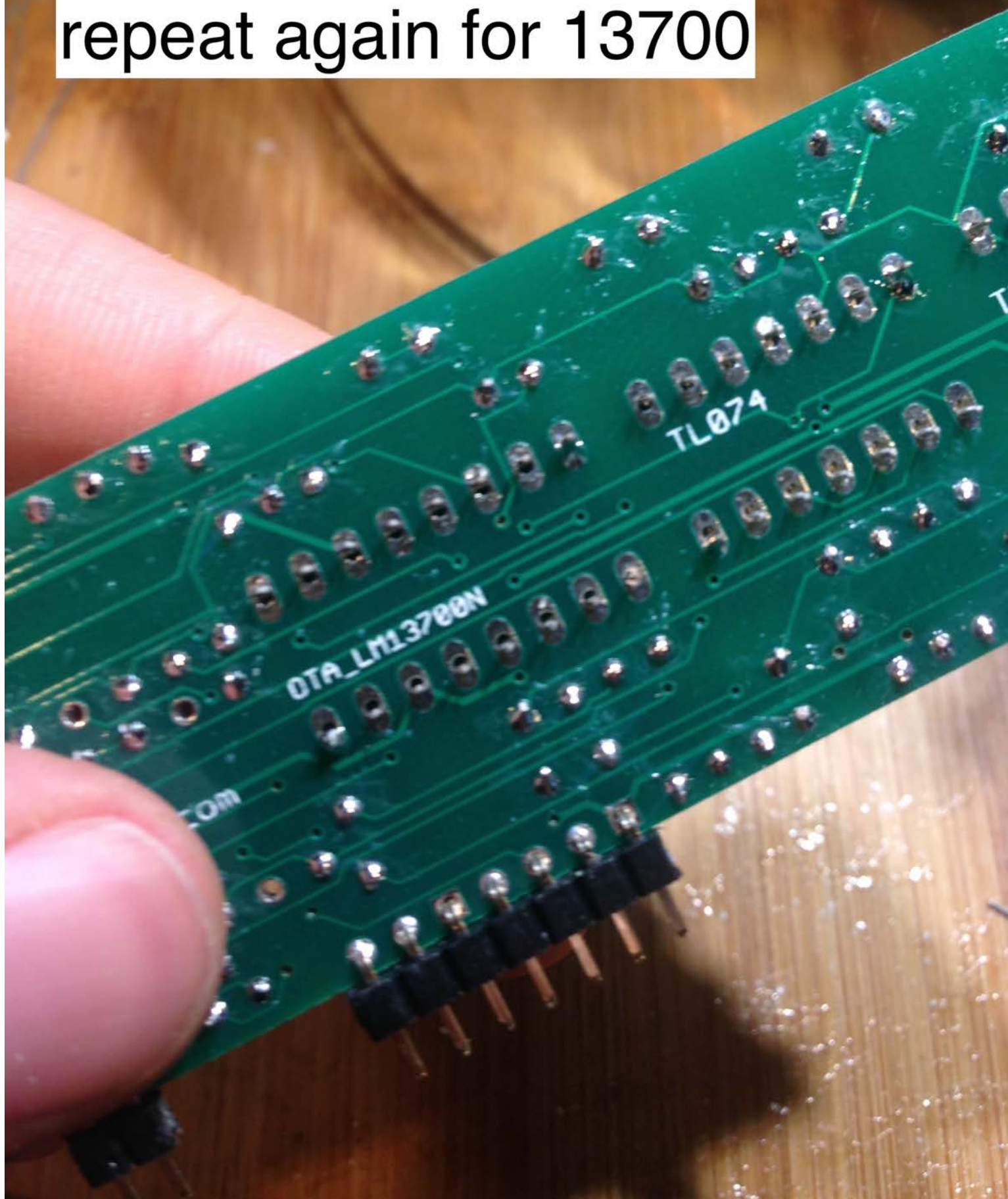


repeat for 074



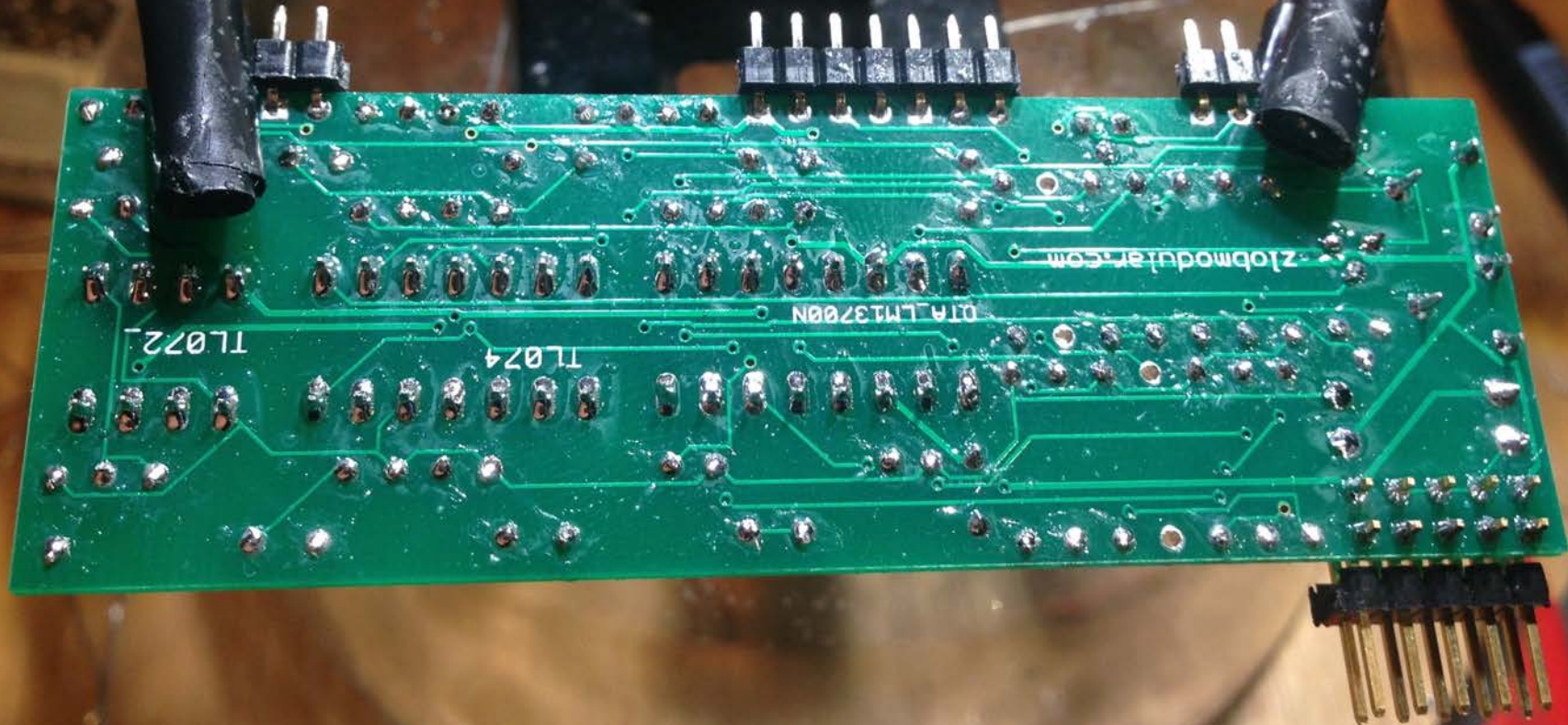


repeat again for 13700





carefully solder the rest  
of the chip pins. dont use  
excessive heat

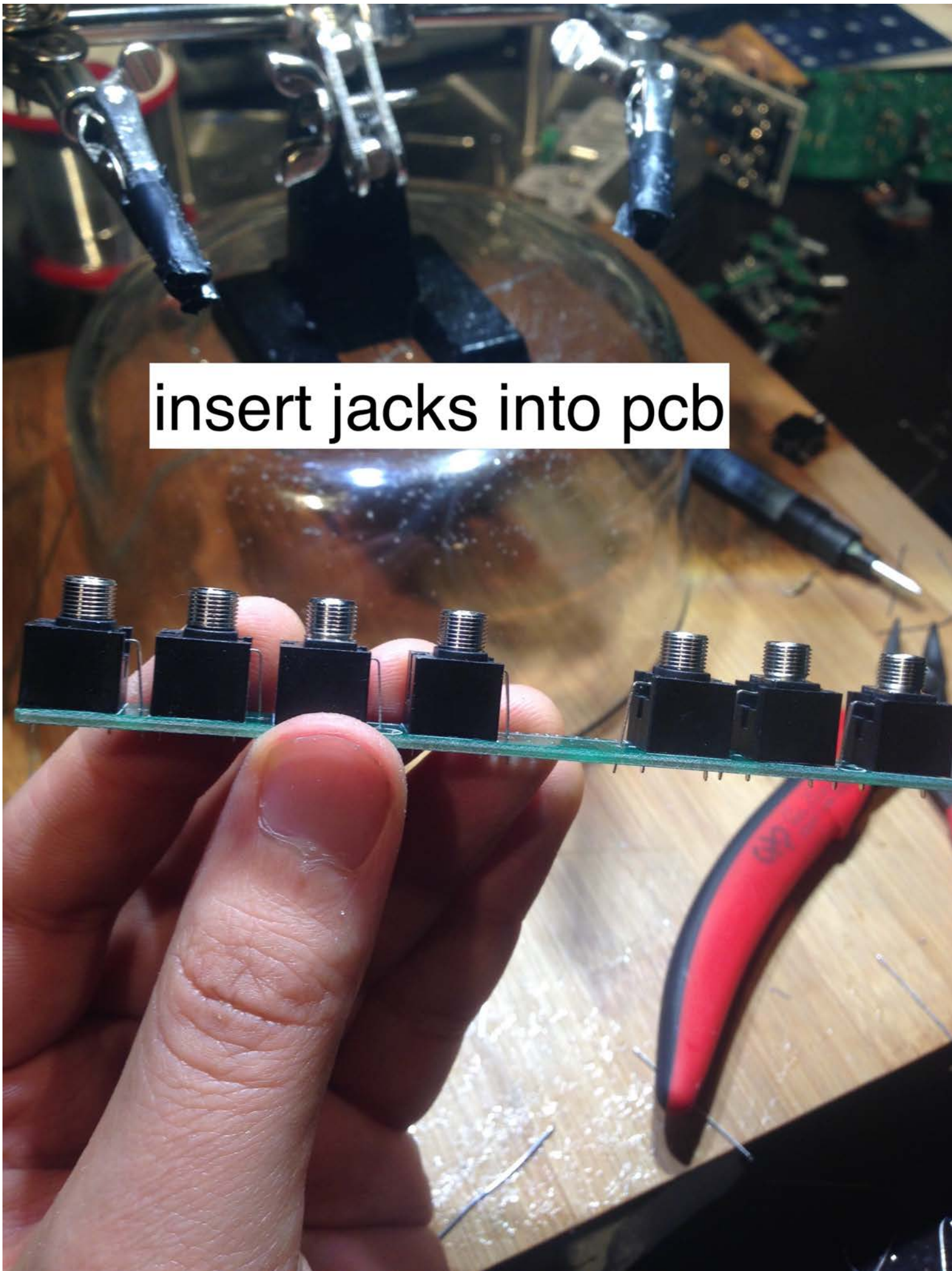






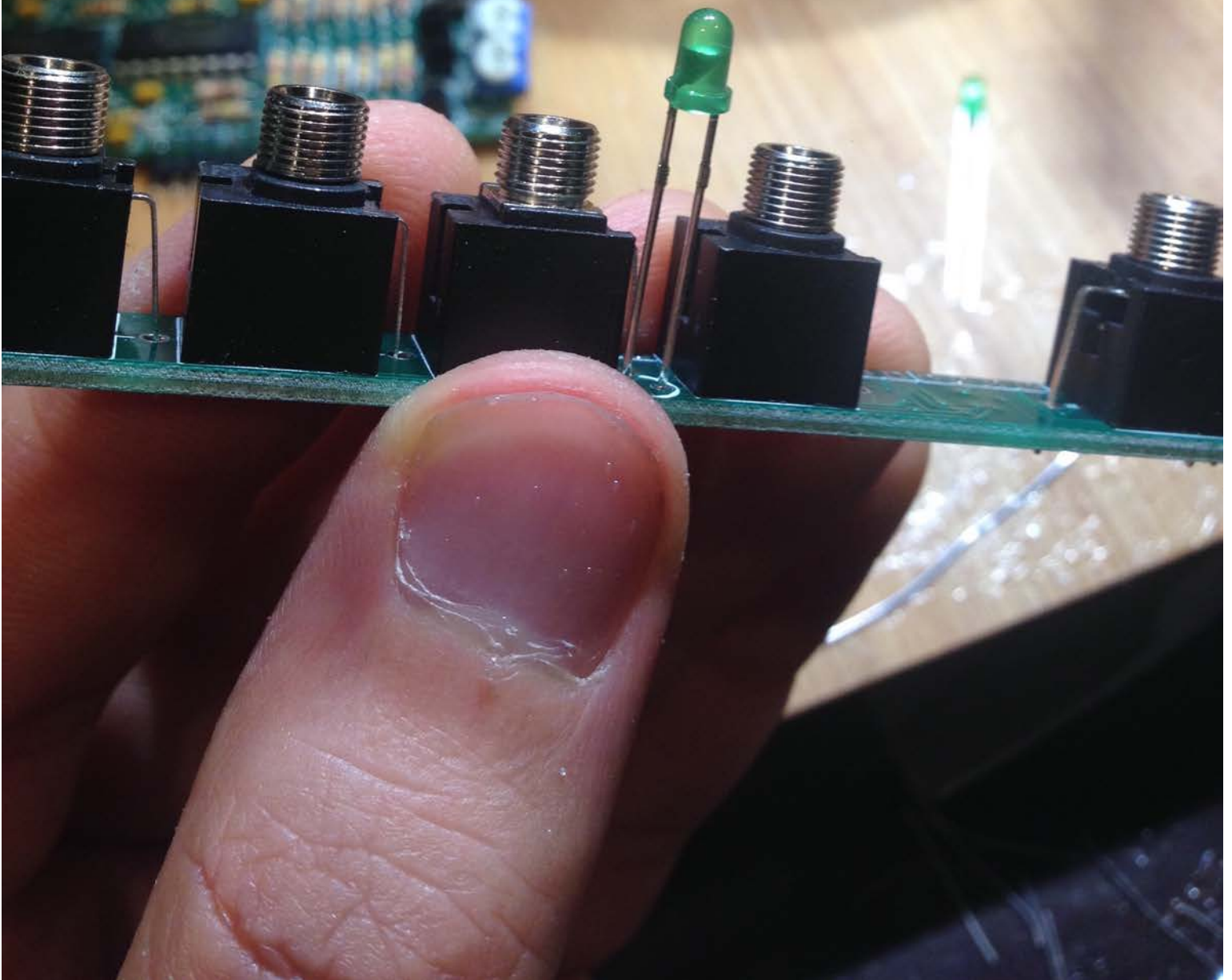


insert jacks into pcb

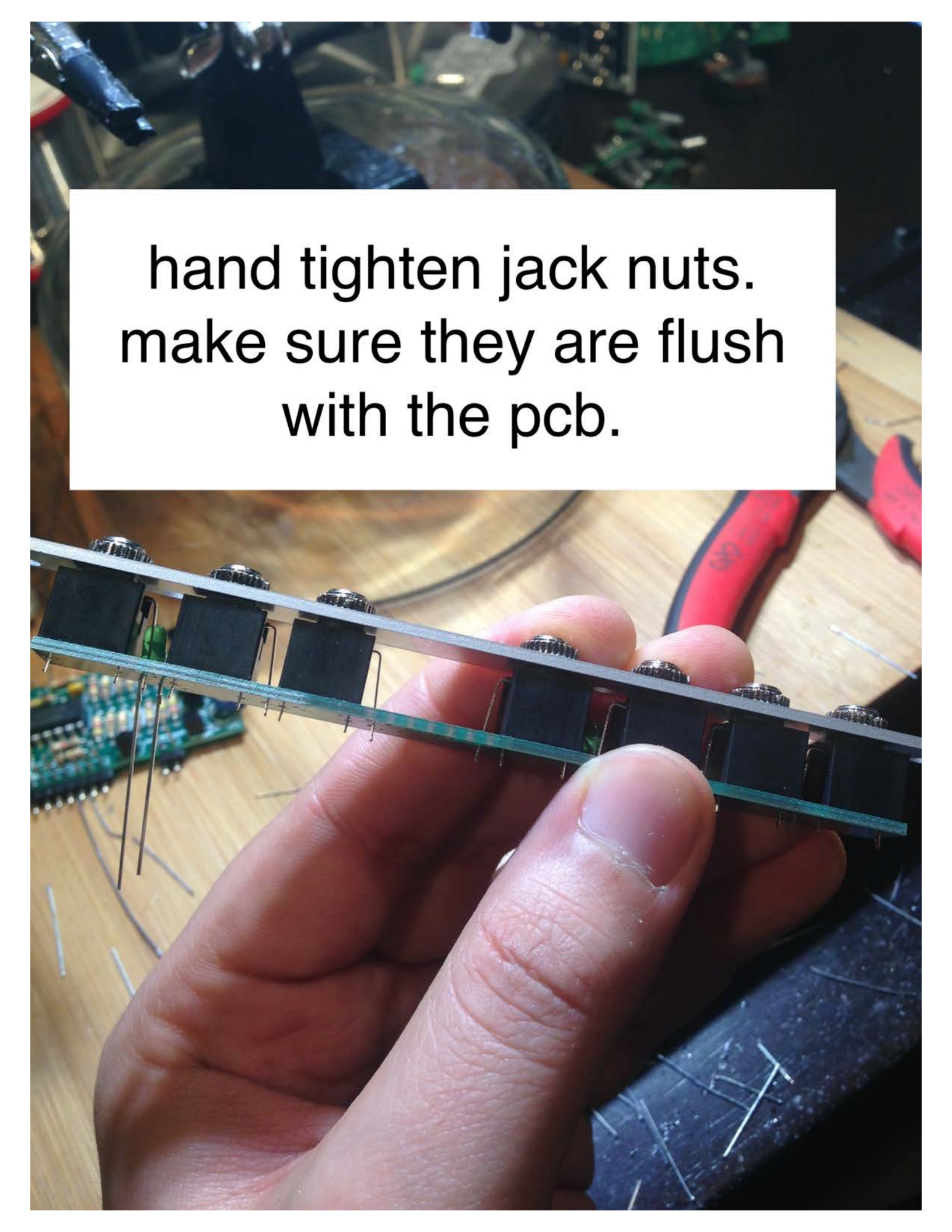




insert leds. make sure  
polarity is correct. match  
flat side(short leg) of led  
with silkscreen



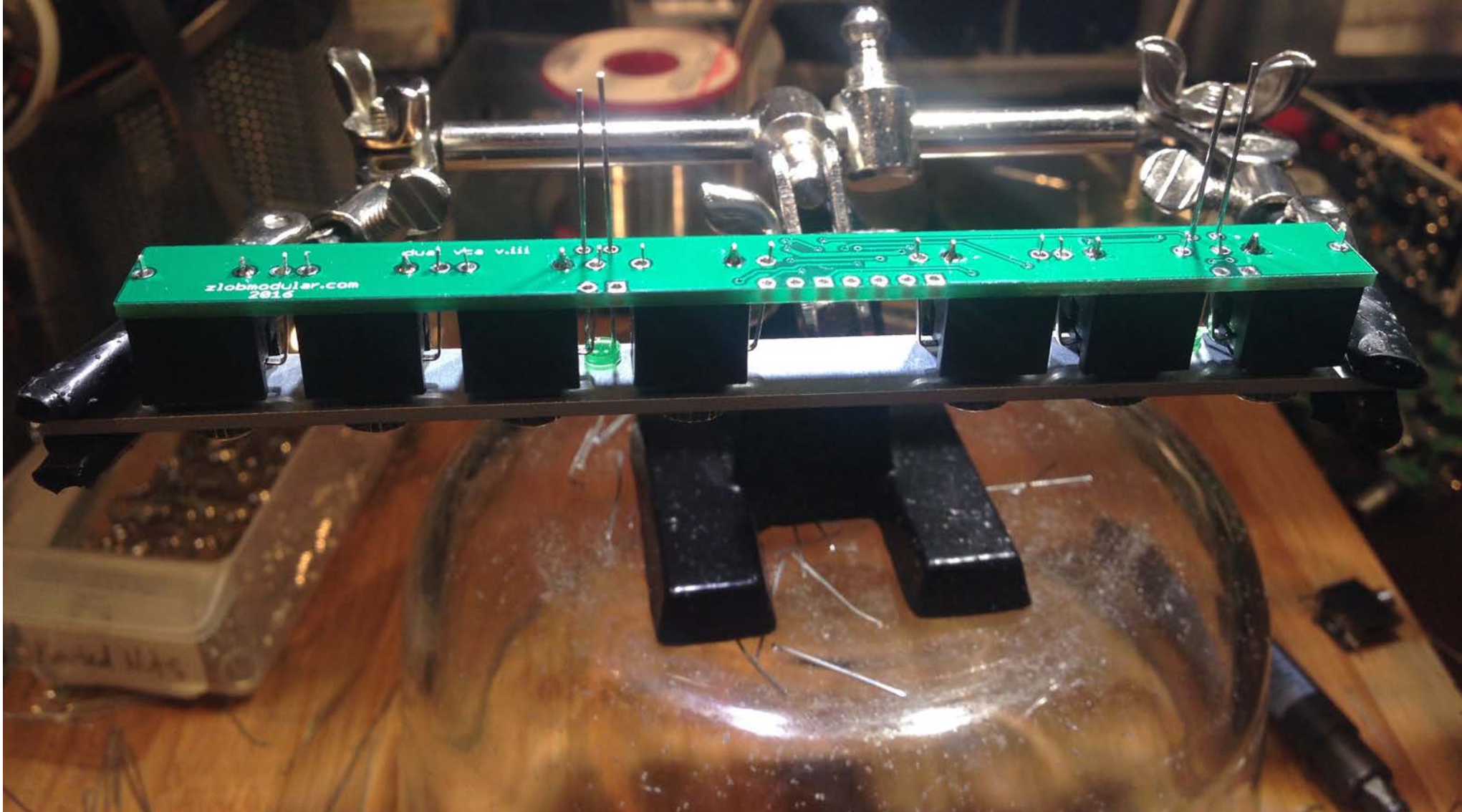


A close-up photograph of a person's hand holding a green printed circuit board (PCB). The PCB is populated with several black rectangular components, likely relays or solenoids, which are secured to the board with silver-colored nuts. The hand is shown from the side, with fingers gripping the board. In the background, a wooden workbench is visible, along with a pair of red-handled pliers and other electronic components. A white text box is overlaid on the upper portion of the image, providing instructions.

hand tighten jack nuts.  
make sure they are flush  
with the pcb.

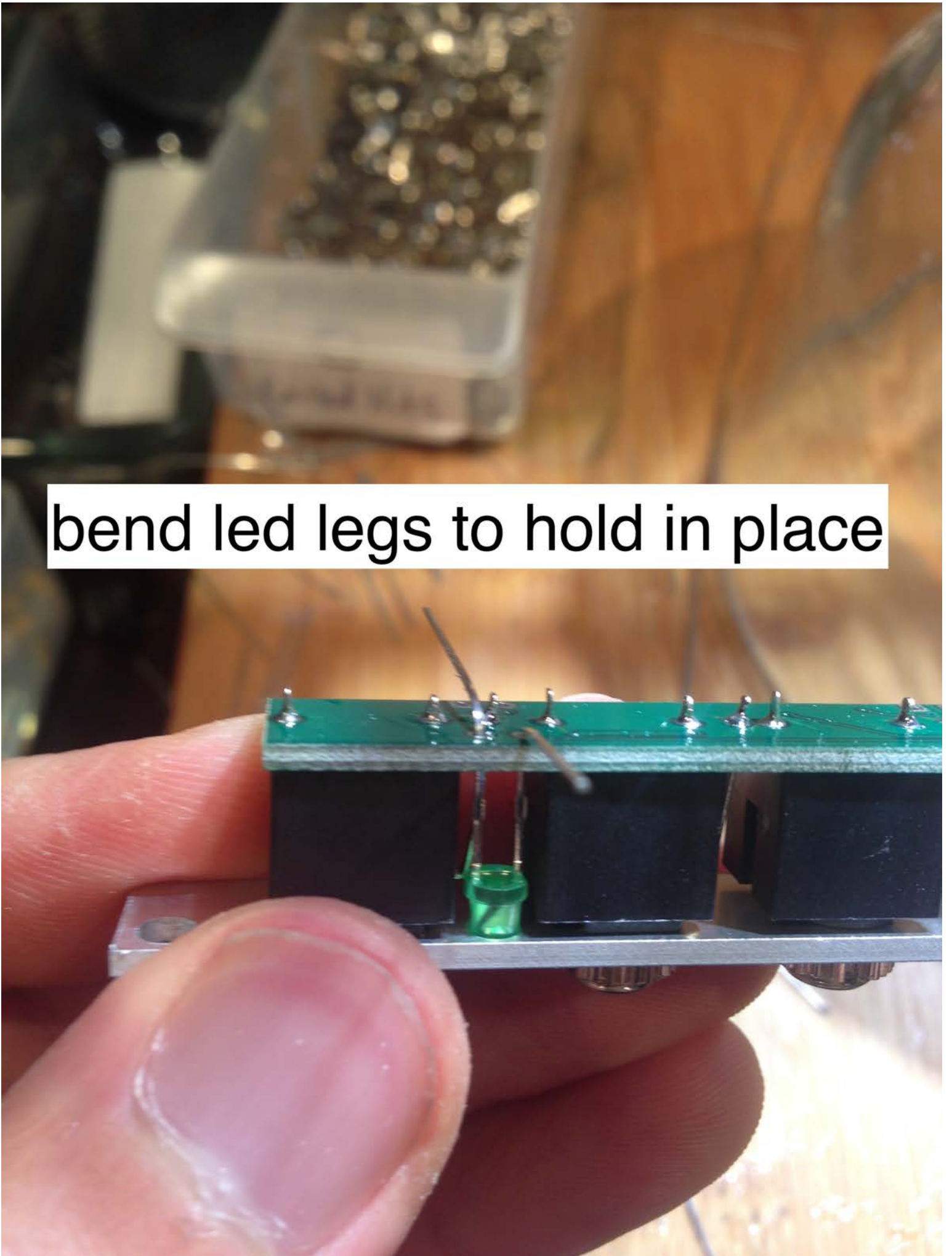


solder each center(switch) lead of the jacks



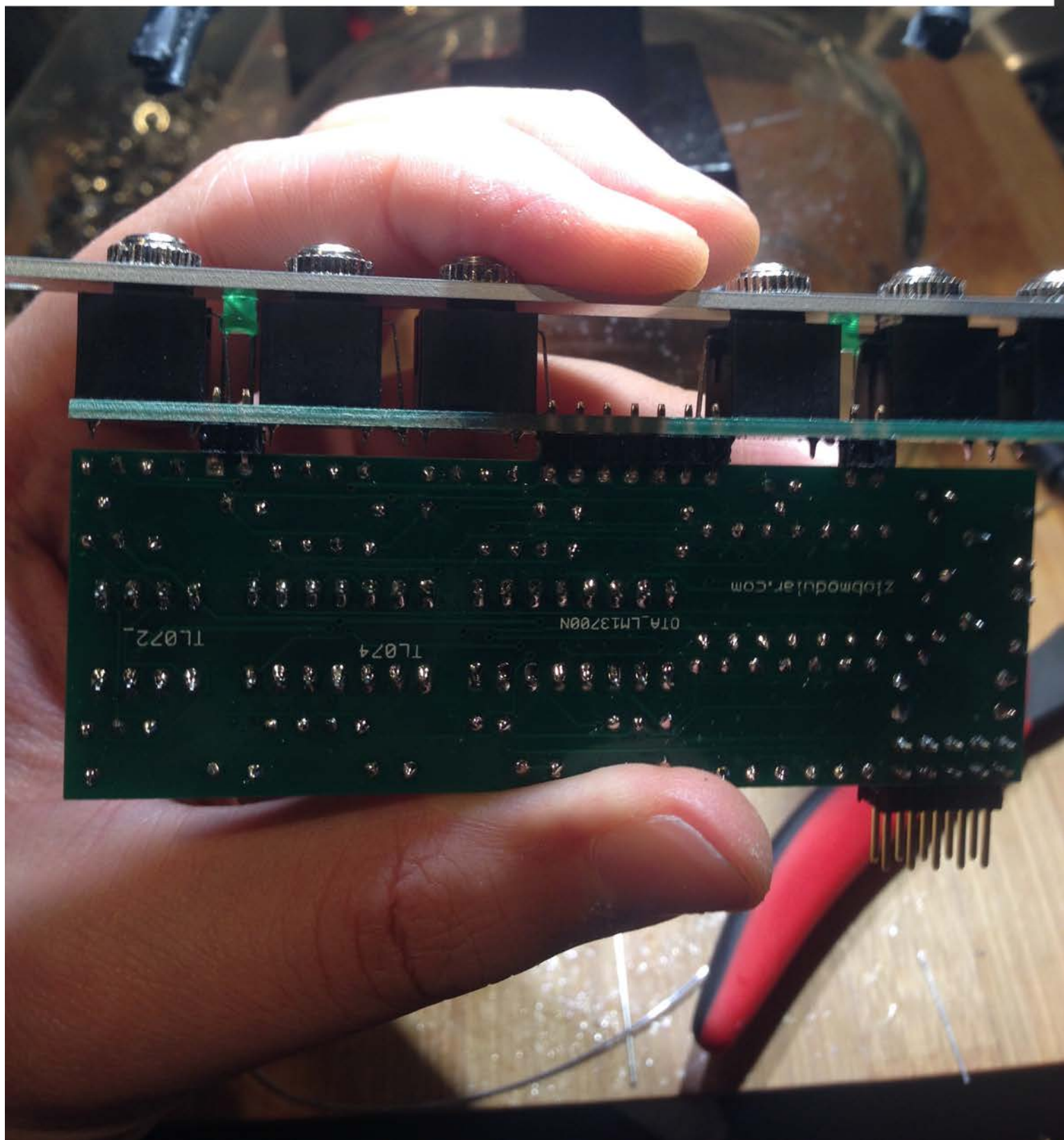


bend led legs to hold in place



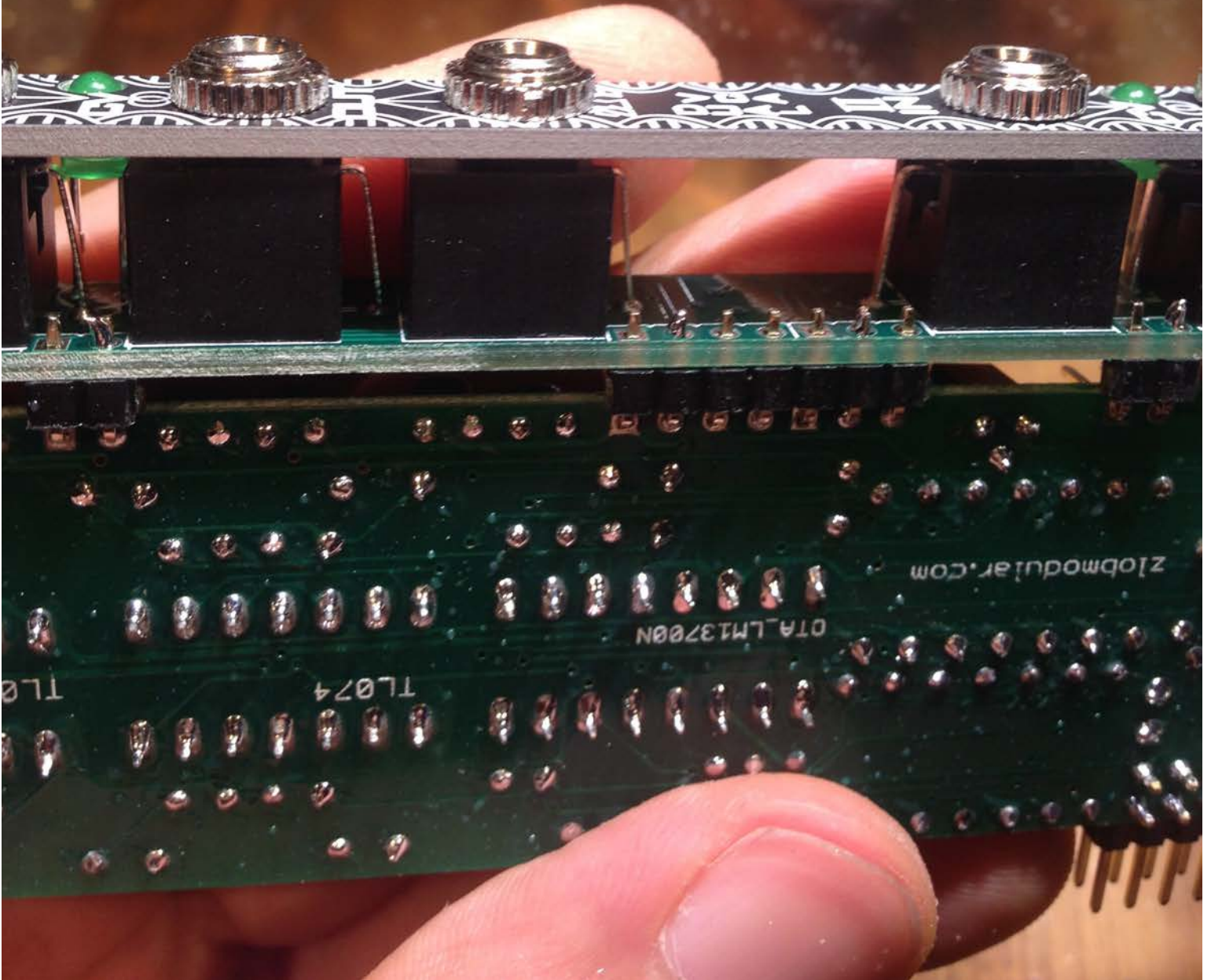


attatch mother board to jack  
board





hold boards together and  
solder a couple pins of the  
headers to hold in place





solder remaining pins to connect both boards

retighten jack nuts

