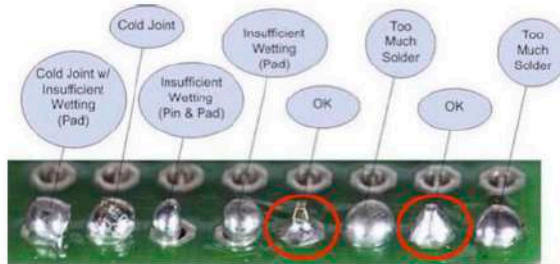
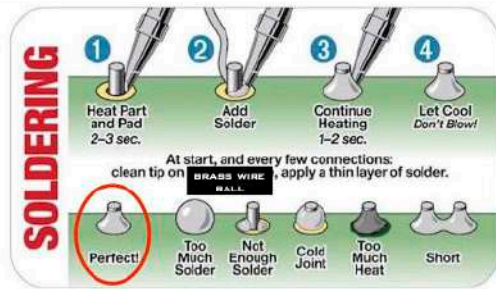
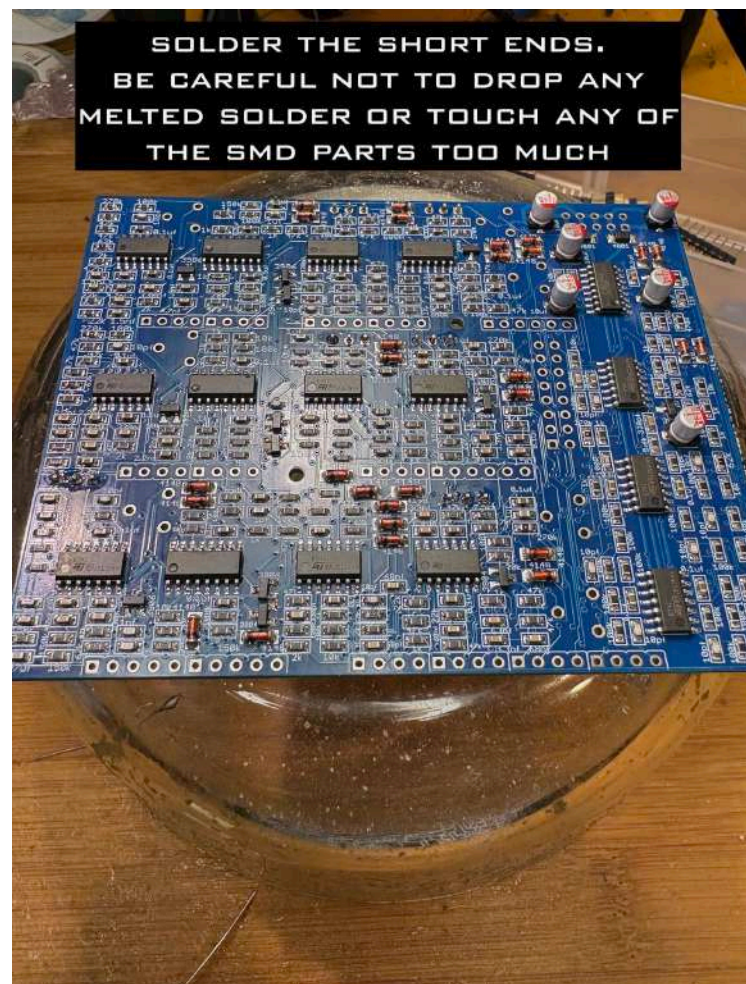


IF YOU CAN FOLLOW THESE TECHNIQUES BELOW AND SOLDER UP TO THESE "PERFECT" AND "OK" SPECS YOU SHOULD HAVE MUCH LESS TROUBLESHOOTING AND PROBLEMS WITH THIS BUILD AND ALL OTHER DIY PROJECTS.



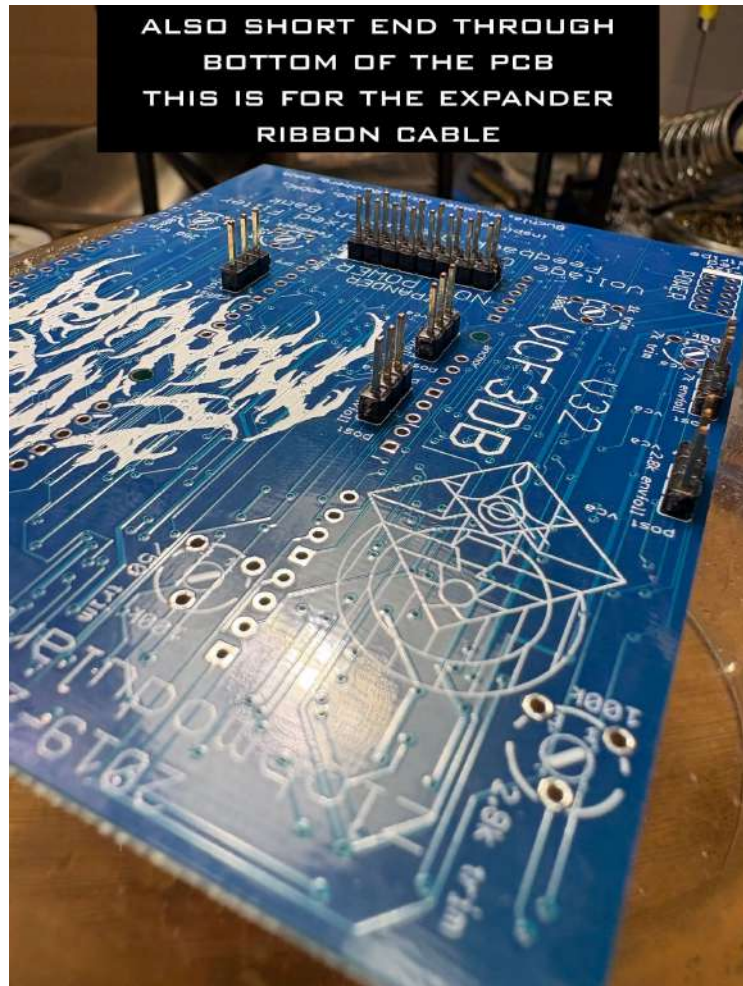
I AM NOT AFFILIATED WITH ADAFRUIT AND CLAIM NO RIGHTS OR OWNERSHIP OF THESE PICTURES. THEY ARE PROVIDED FOR EDUCATIONAL PURPOSES



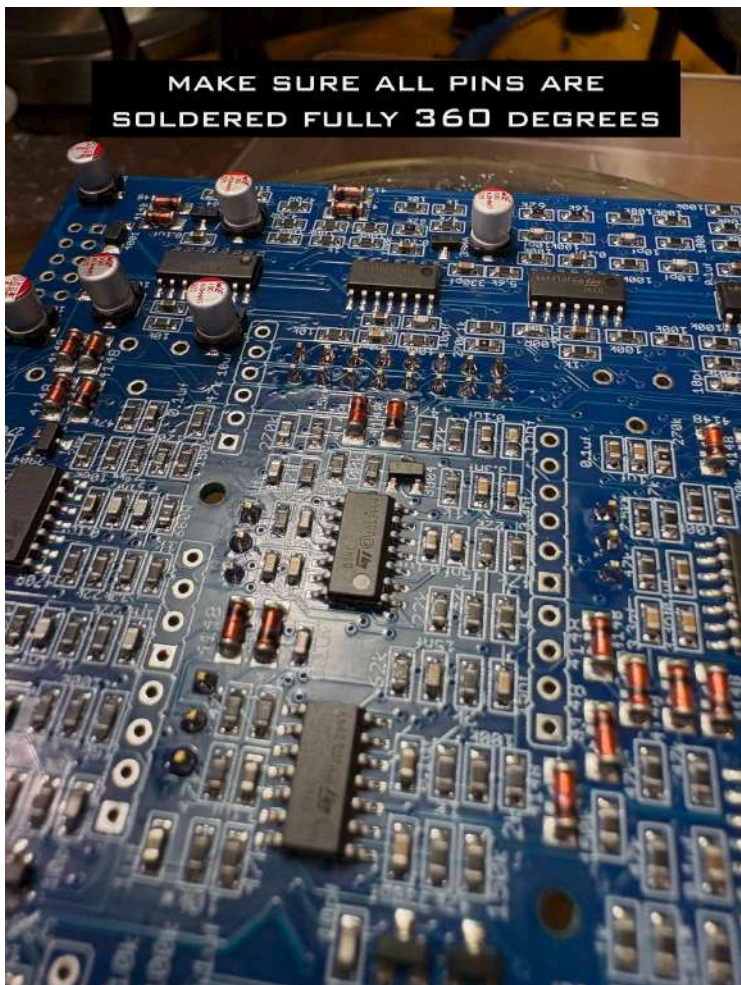
TWO 8PIN MALE HEADERS



**ALSO SHORT END THROUGH
BOTTOM OF THE PCB
THIS IS FOR THE EXPANDER
RIBBON CABLE**



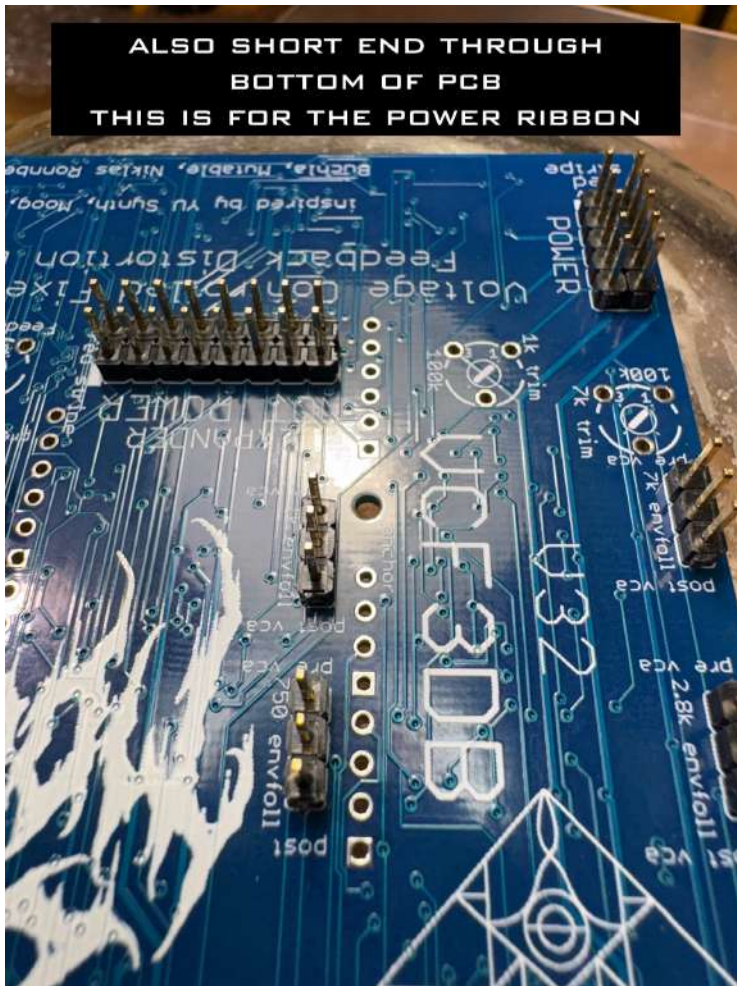
**MAKE SURE ALL PINS ARE
SOLDERED FULLY 360 DEGREES**



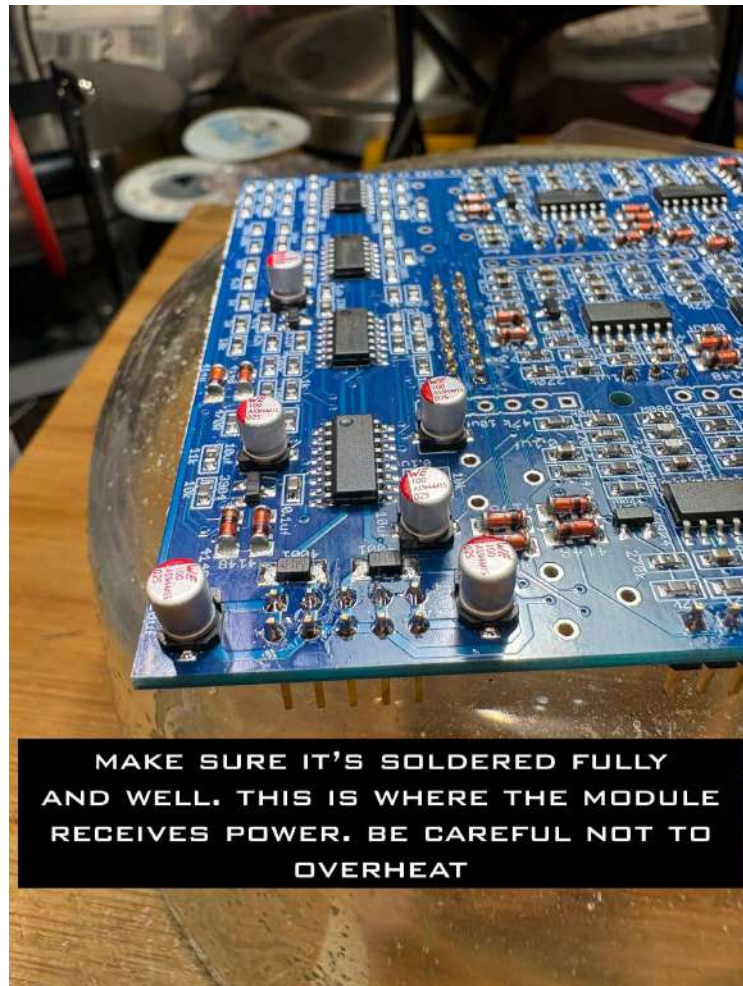
TWO 5PIN MALE JUMPERS



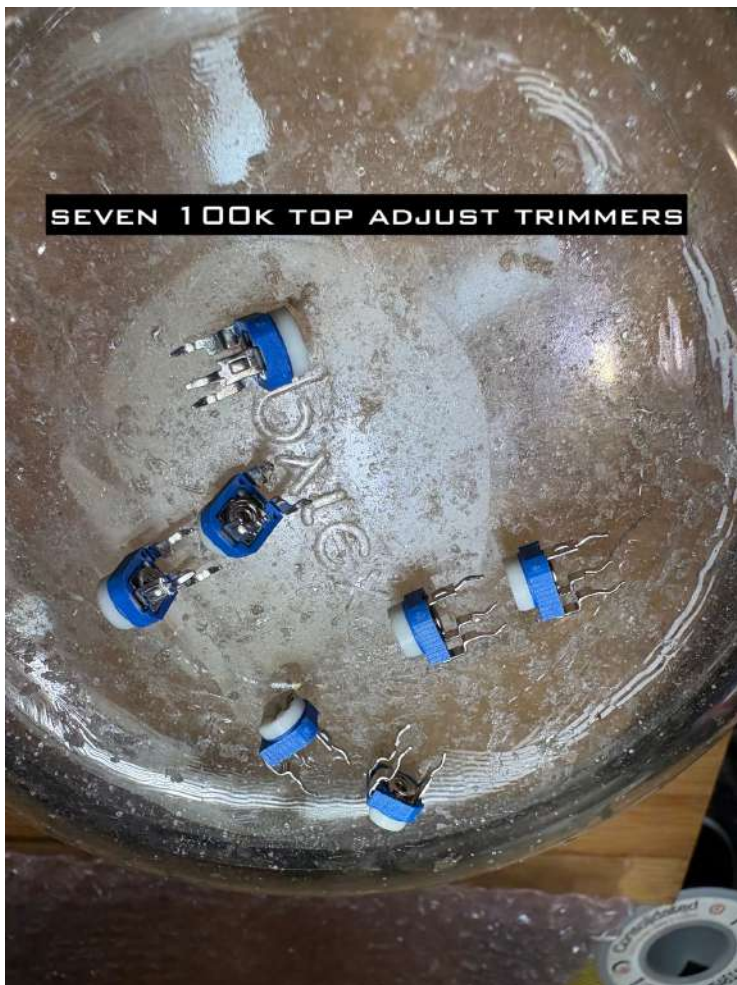
ALSO SHORT END THROUGH
BOTTOM OF PCB
THIS IS FOR THE POWER RIBBON



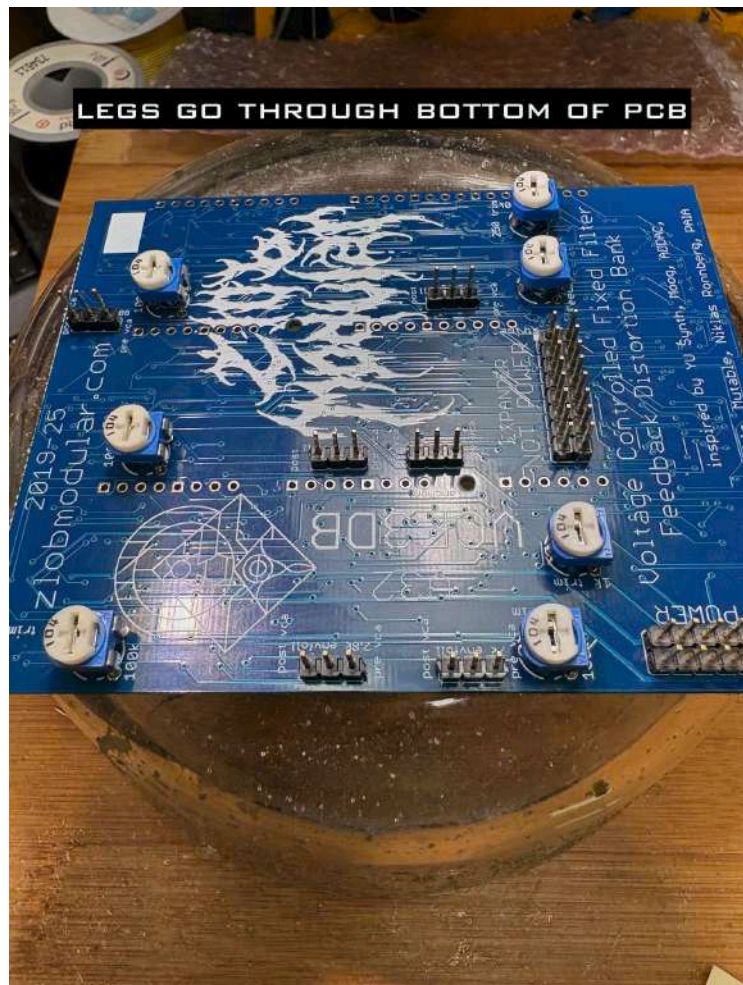
MAKE SURE IT'S SOLDERED FULLY
AND WELL. THIS IS WHERE THE MODULE
RECEIVES POWER. BE CAREFUL NOT TO
OVERHEAT



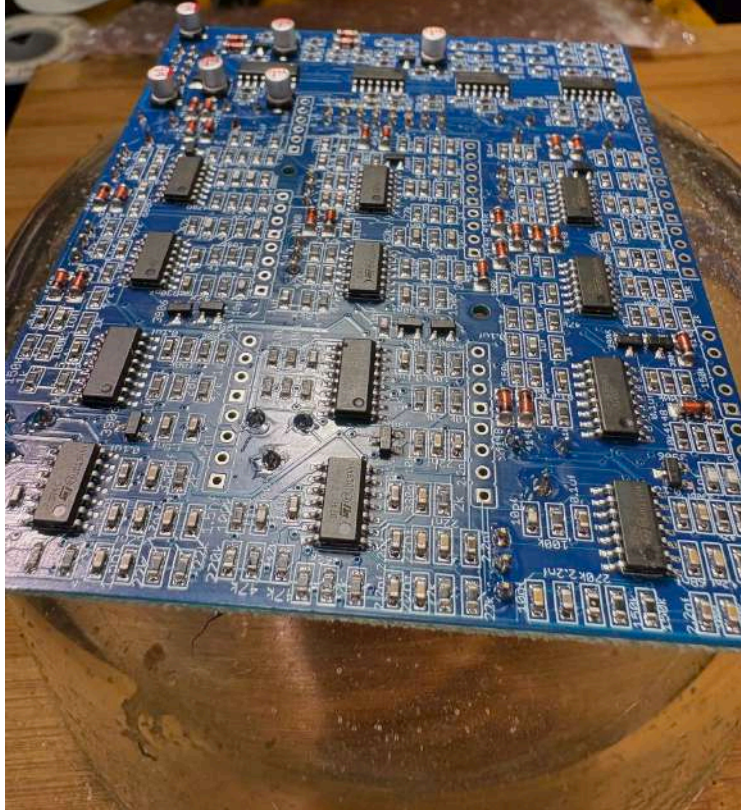
SEVEN 100K TOP ADJUST TRIMMERS



LEGS GO THROUGH BOTTOM OF PCB



**MAKE SURE ALL LEGS ARE SOLDERED
AND THERE ARE NO SHORT CIRCUITS
OR SOLDER BRIDGES**



**ONE 16PIN FEMALE HEADER
THREE 8PIN FEMALES**



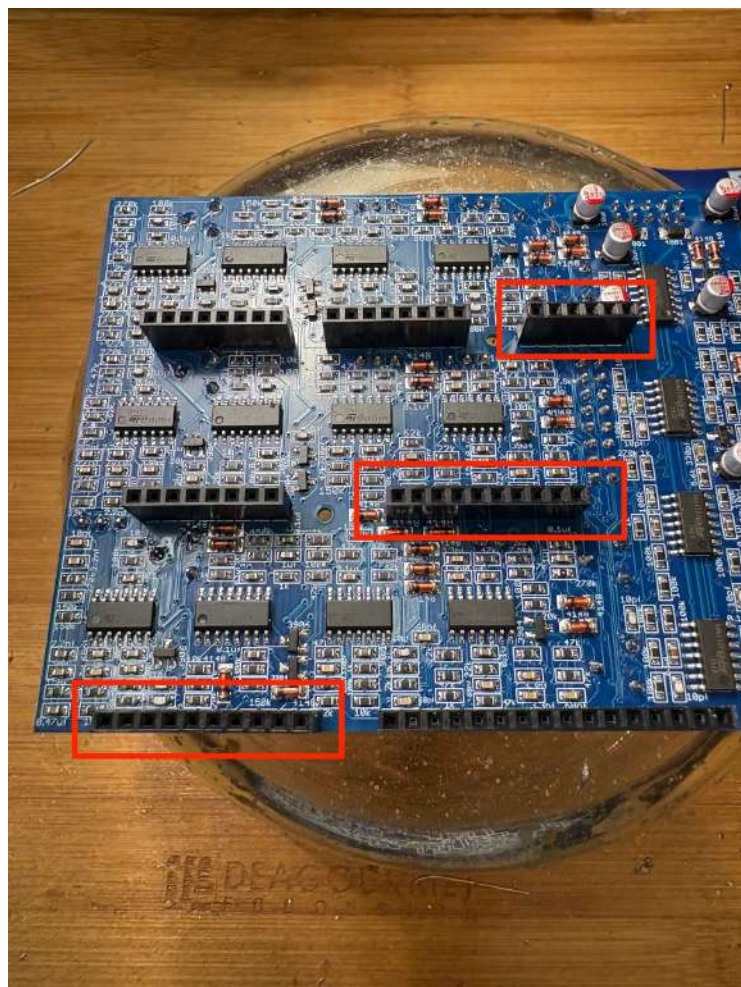
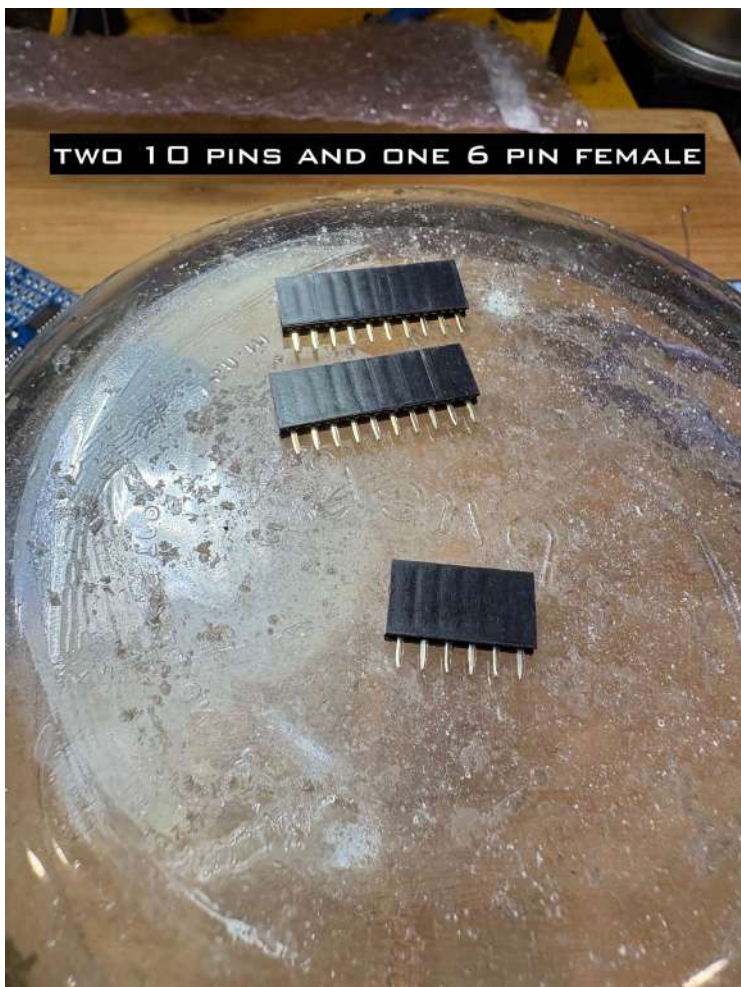
**PINS OF HEADERS GO THROUGH
TOP OF PCB. TACK A COUPLE PINS ON
EACH HEADER TO KEEP STABLE WHEN
FLIPPED OVER**



**SOLDER THE PINS WELL AND 360
DEGREES. THESE CONNECT SIGNALS
BETWEEN THE MOTHERBOARD AND TOP
INTERFACE**



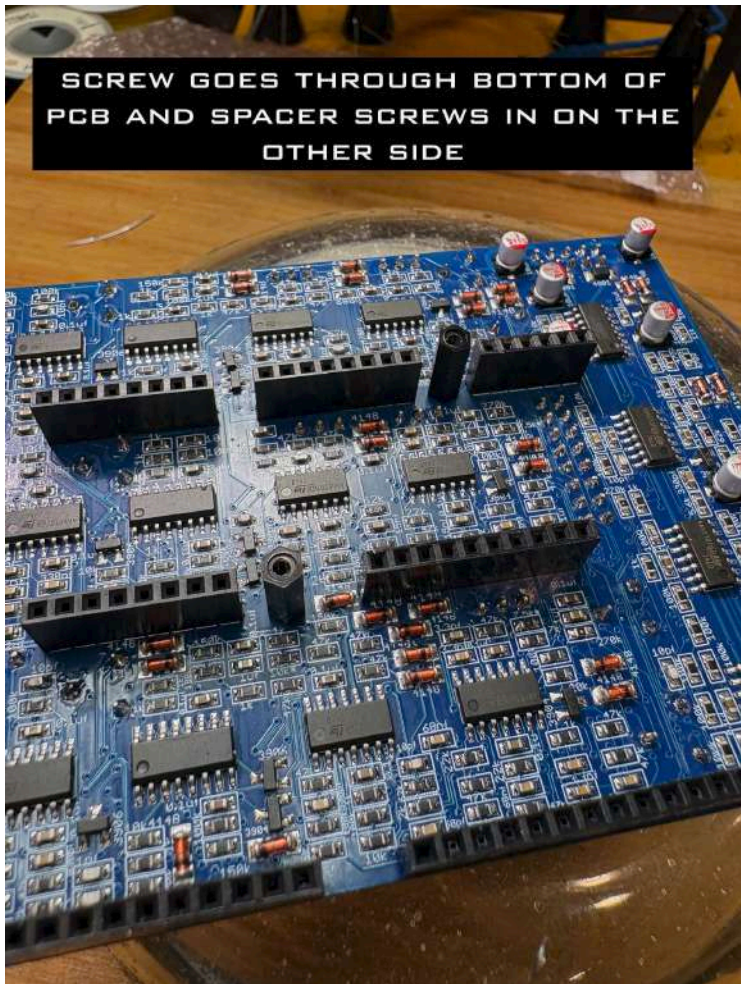
TWO 10 PINS AND ONE 6 PIN FEMALE



TWO M2 SPACERS AND THERE WILL BE FOUR M2 SCREWS. SAVE THE EXTRA TWO FOR LATER WHEN CONNECTING PCBs



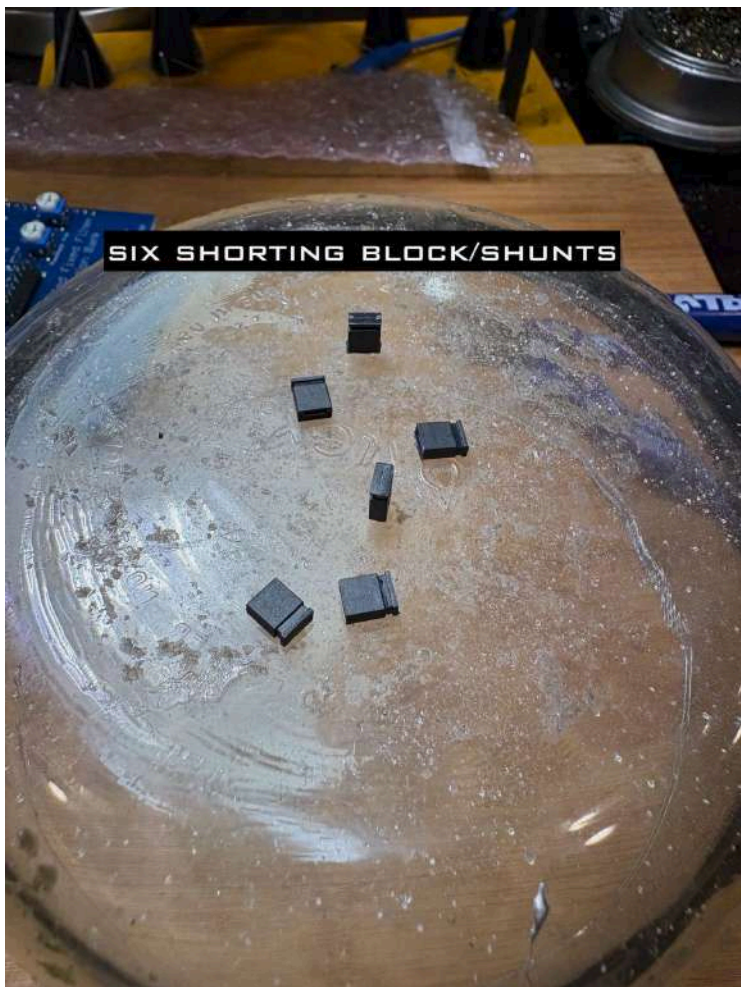
SCREW GOES THROUGH BOTTOM OF PCB AND SPACER SCREWS IN ON THE OTHER SIDE



DON'T OVER TIGHTEN THESE ARE NYLON



SIX SHORTING BLOCK/SHUNTS



INSERT ON TO HEADERS. TOP POSITION IS STOCK WITH THE ENVELOPE FOLLOWERS AT POST VCA.

BOTTOM POSITION IS ENVELOPE PRE SO THE FOLLOWERS ARE ALWAYS ACTIVE REGARDLESS OF SLIDE FADER POSITION

