



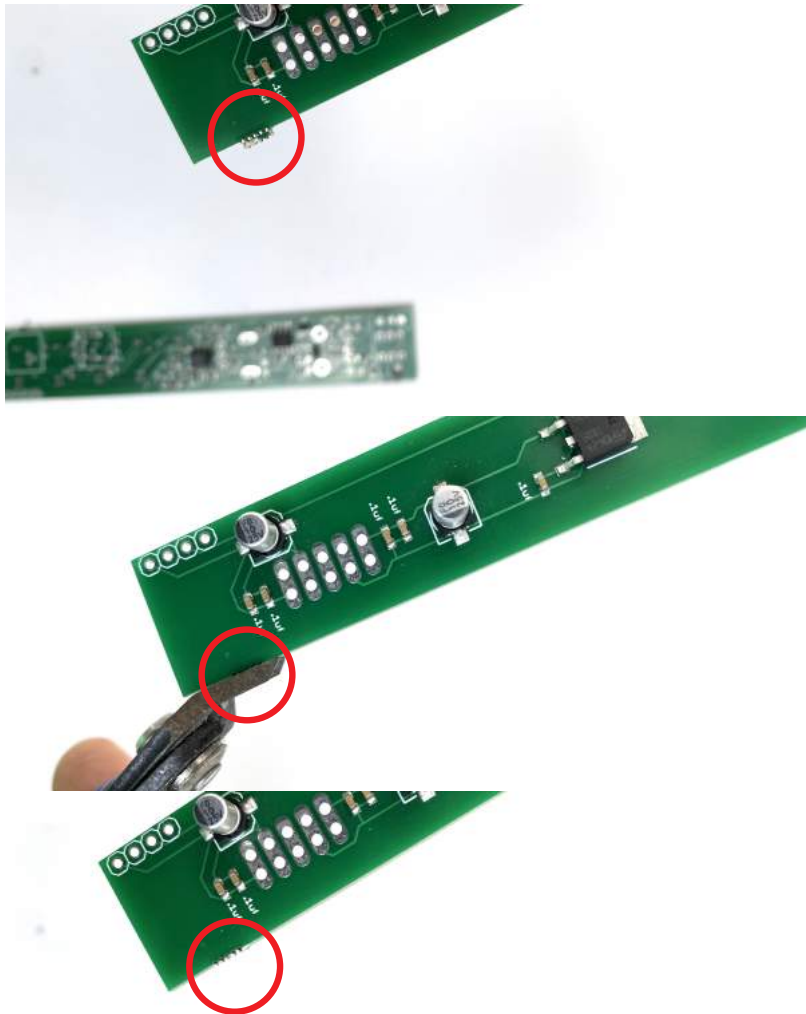
ADDAC System

ADDAC605 Assembly Guide

January, 2021



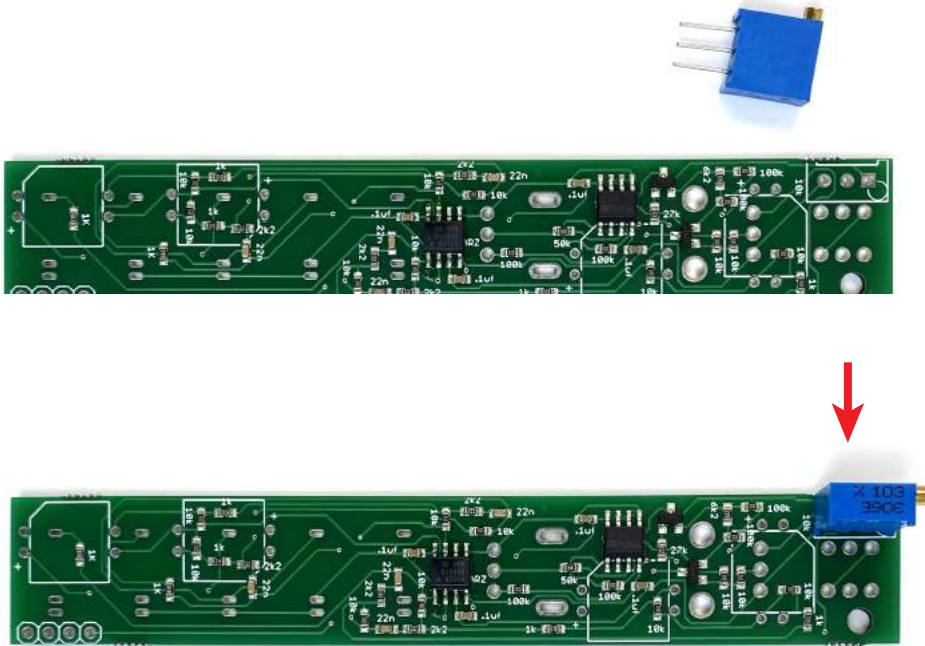
STEP 1:
Break the pcbs apart and trim the excess with a cutter like shown below.



ADDAC605 Assembly Guide

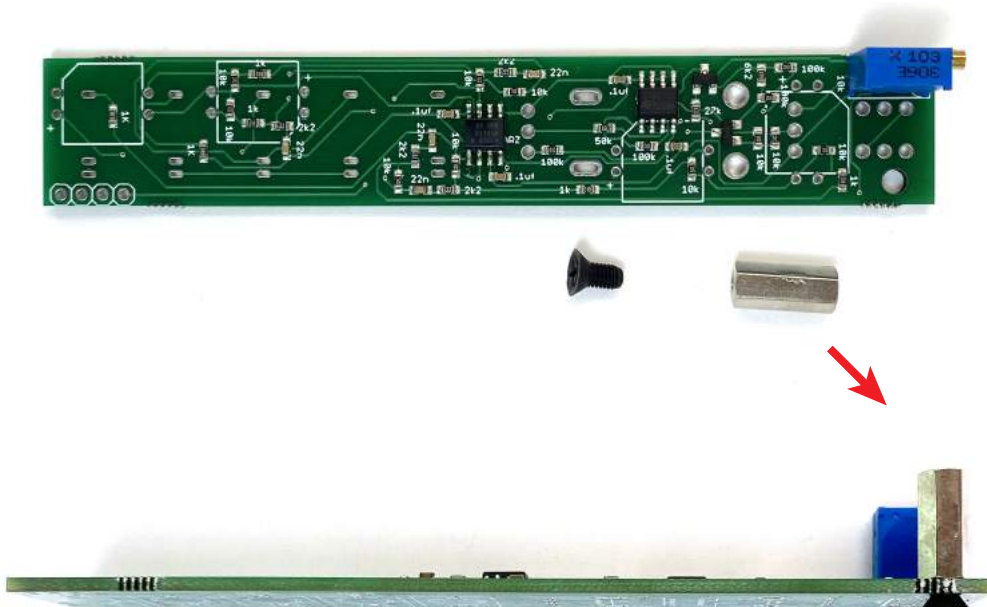
STEP 2:

Next locate the trimmer and solder it on the top pcb like shown below.

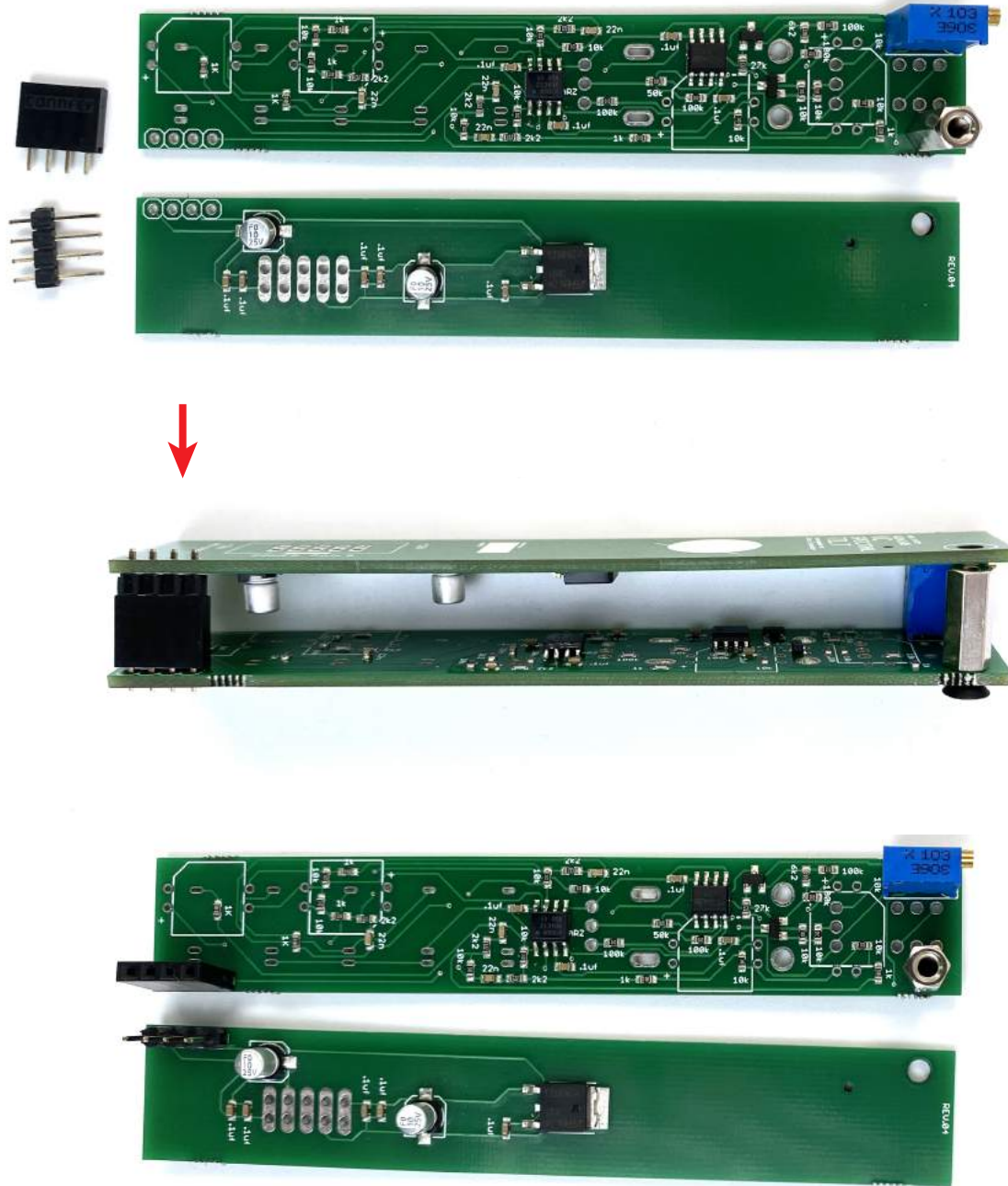


STEP 3:

Next locate the spacer and plastic screw and place them like shown below.



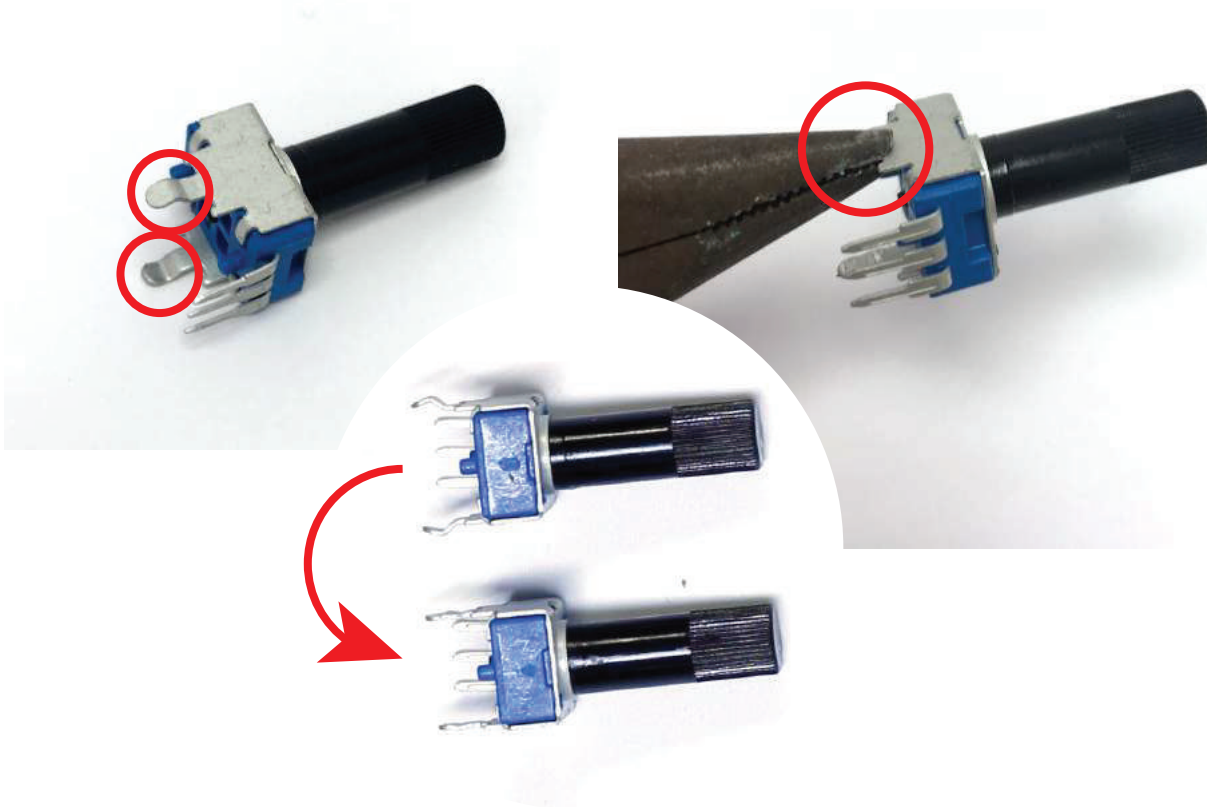
STEP 4:
Next locate both 4 way pinheaders, place and solder them like shown below.



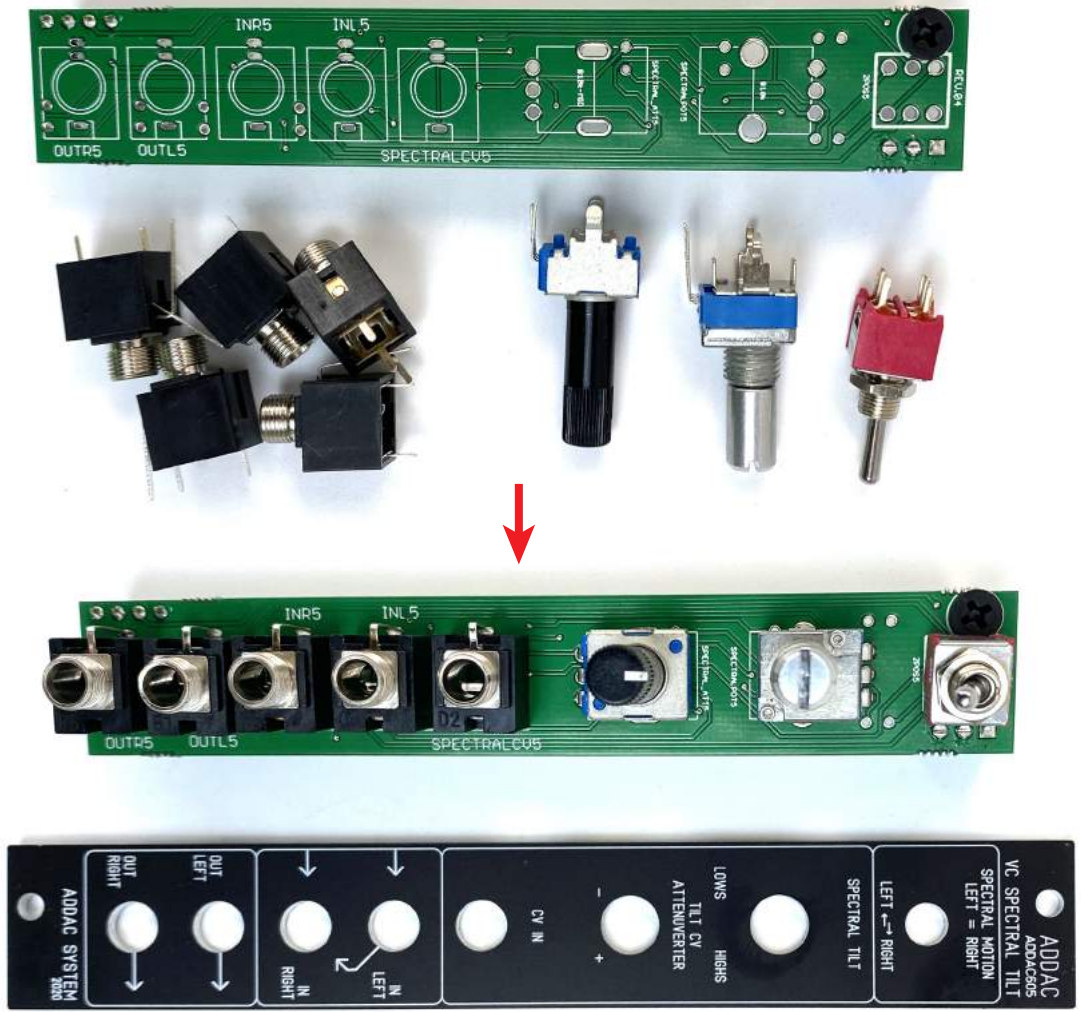
STEP 5:
Next locate the dpdt switch and screw a nut about 1mm from the switch body.



STEP 6:
Grab the plastic shaft trim pots and flatten out their legs with the help of some pliers, like shown below.



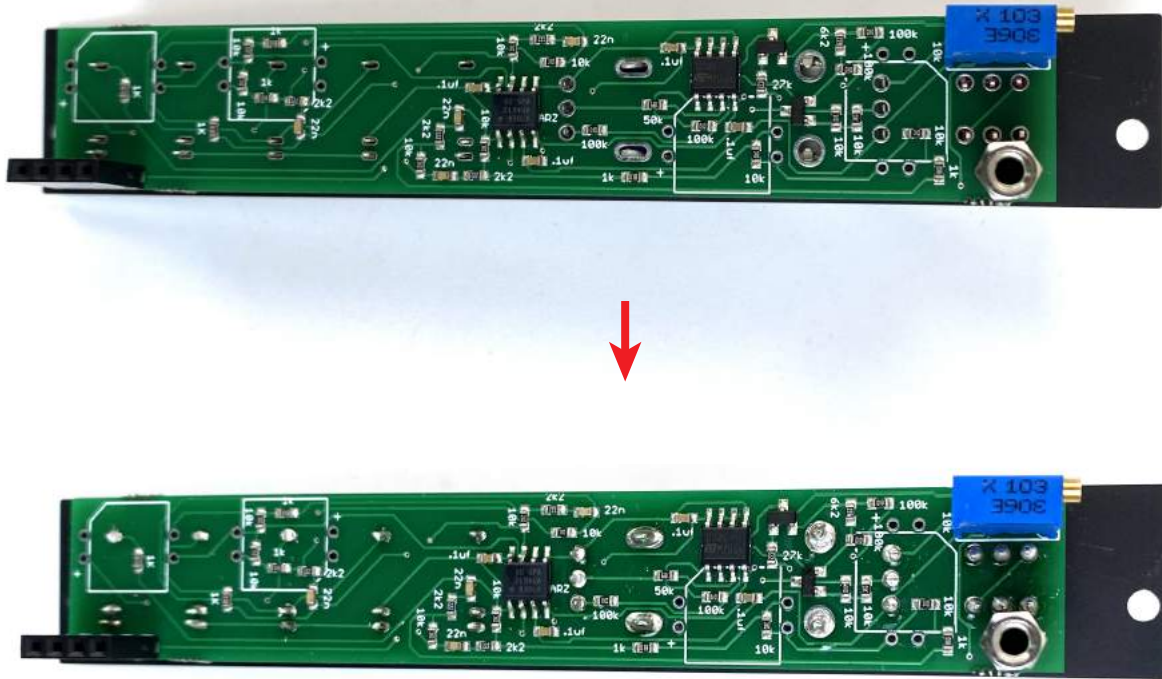
STEP 7:
Next place all panel parts on the front pcb. .



STEP 8:
Place and tighten all nuts



STEP 9:
Once all parts are in place and all nuts tighten, solder all the pads.



STEP 10:
Next we'll prepare the vactrols to be soldered. With the logo facing up bend all the legs down and cut the legs about 3mm high from the vactrol body.



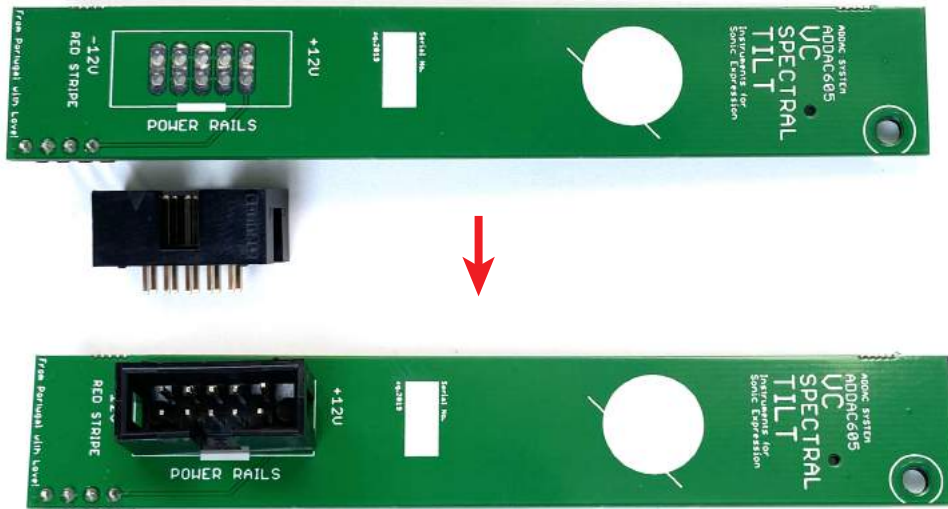
STEP 11:

Once the vactrols are cutted and ready place them like shown below.

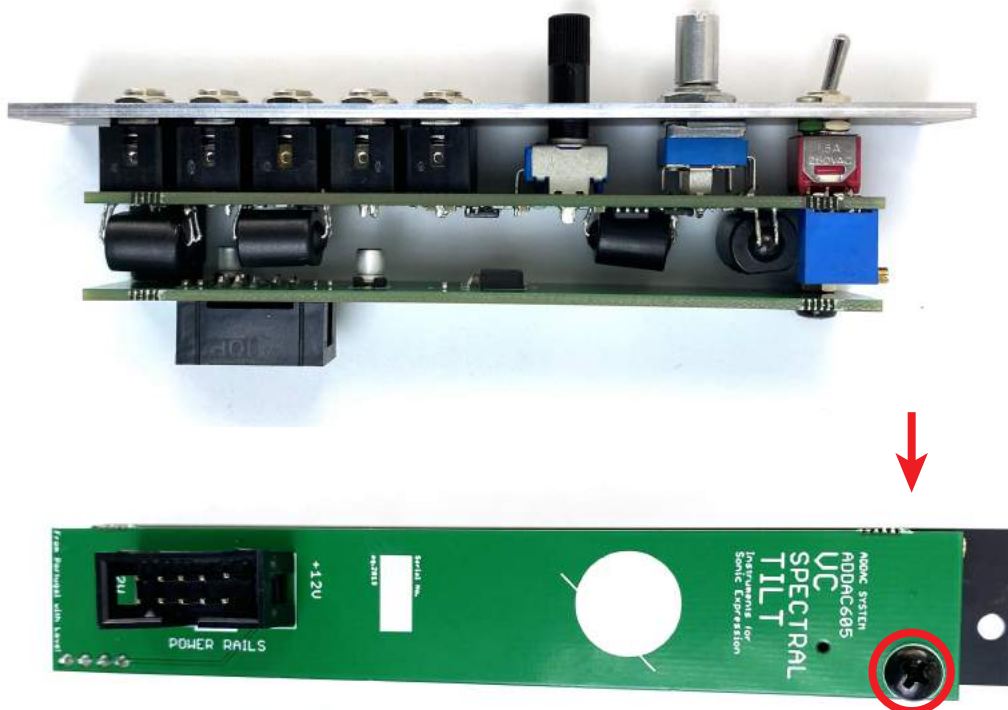
Once in place solder them from the top keeping the legs flush at the surface to avoid shorts with the panel parts in the bottom.



STEP 12:
Next place and solder the power IDC, notice the indent orientation.



STEP 13:
Attach both boards and place the back screw.



Finish it by placing the knob and you've finished the assembly process!

Proceed to the calibration method.



Calibration

DESCRIPTION

For this process you'll need a noise source either from a module or a computer plus a spectrum analyser running on a computer.

PROCEDURE:

1. Send the noise to the module Left input
2. Send the Left Output to the Soundcard
3. Use any spectrum analyser to check the output of ADDAC605, the idea is to have a flat response curve at the middle of the pot and about $\pm 6\text{db}$ with the pot at it's edges.
4. Adjust the trimmer until you match the right response.

For feedback, comments or problems please contact us at:
addac@addacsystem.com