



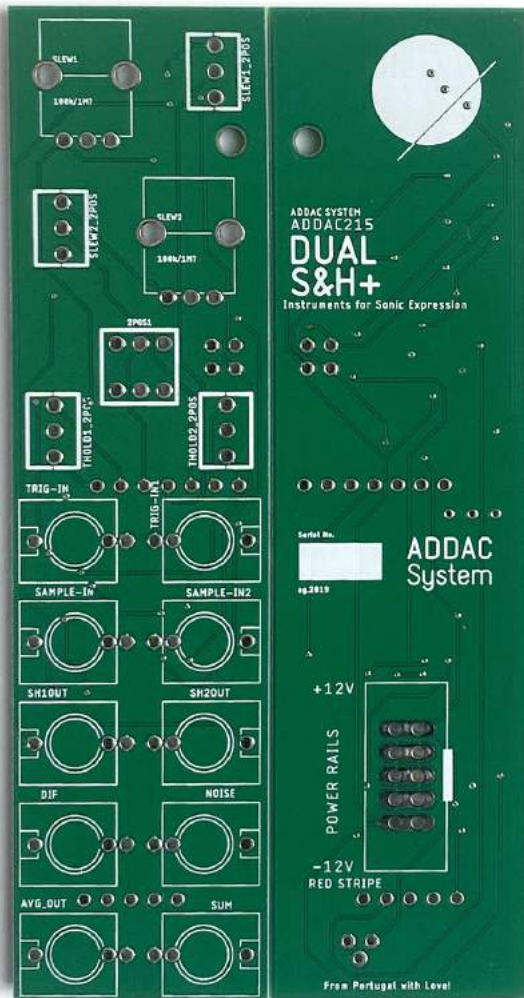
ADDAC215 DUAL S&H+  
ASSEMBLY GUIDE

Revision.01 March.2020

# ADDAC System

## ADDAC215 Assembly Guide

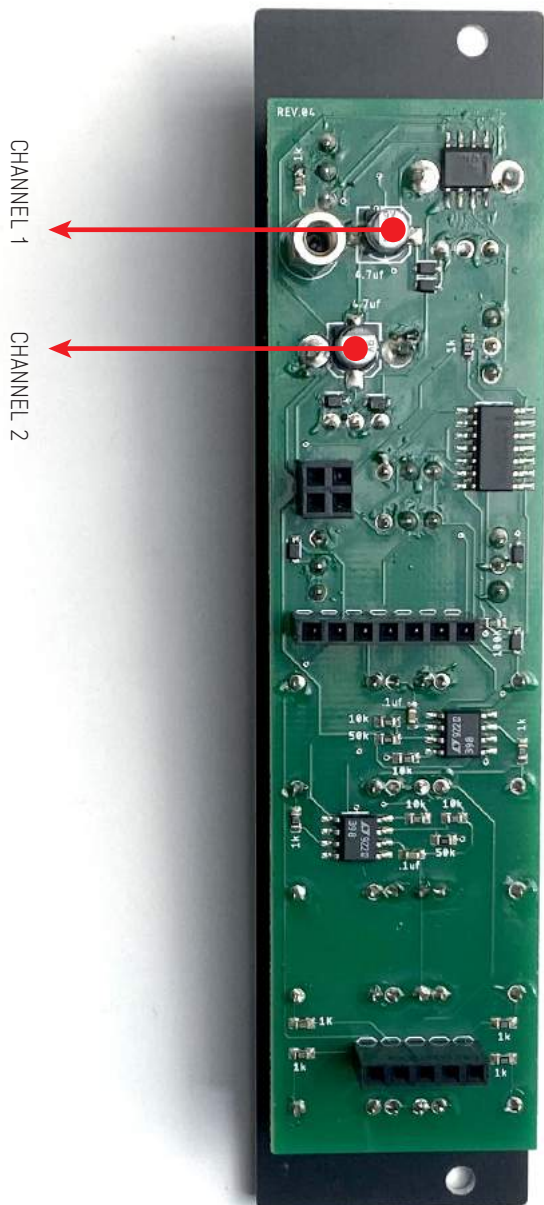
March.2020



# SLEW TIME OPTIONS

The Slew time can be adjusted to user preference.  
We provide 2 options, Short and Long range:  
. Short for 1v/oct signals (like a short portamento)  
. Long for smoothing cv voltages

Each channel can be set diferently.  
Other values can also be used.



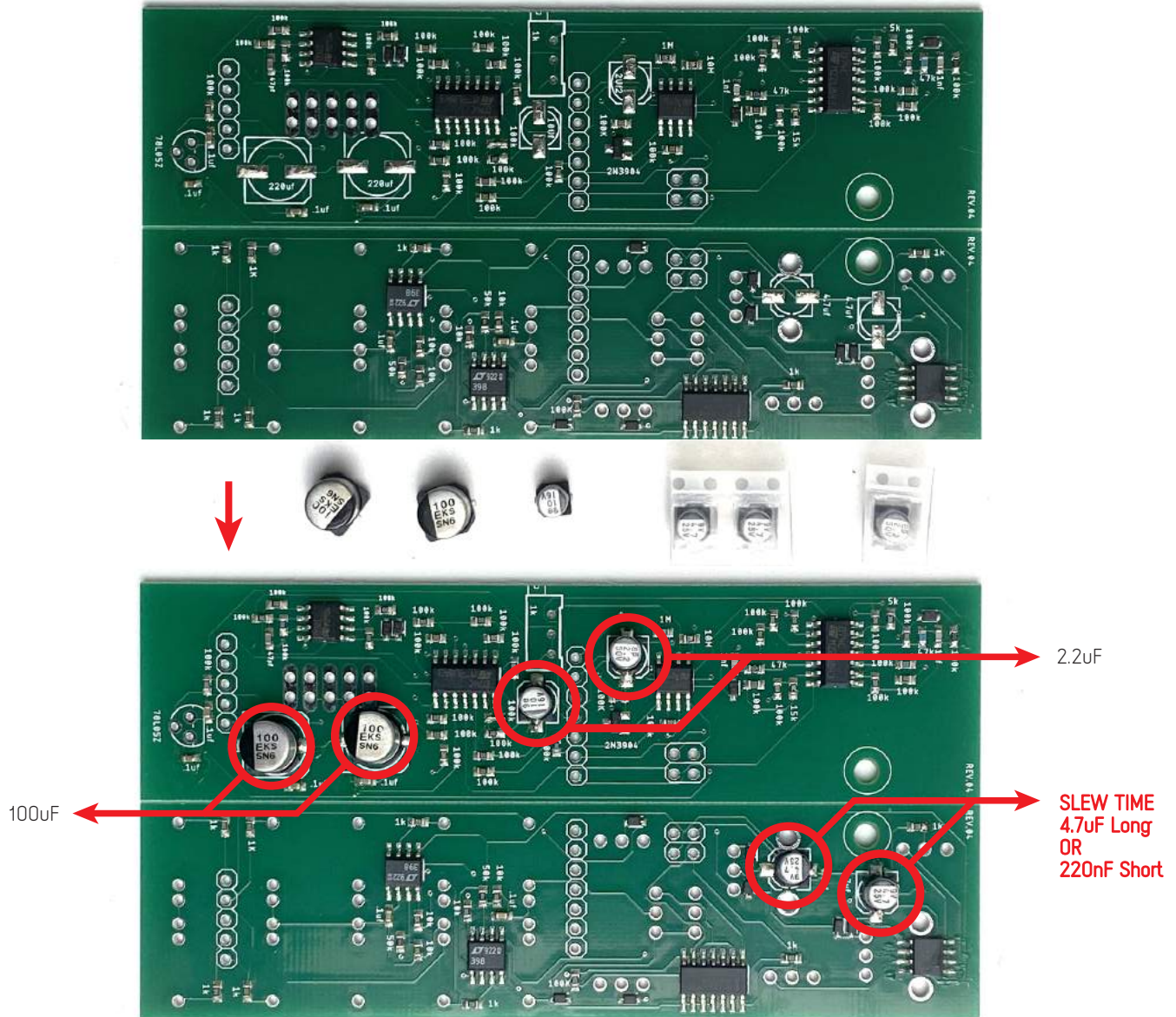


## ADDAC215 Assembly Guide

### STEP 1:

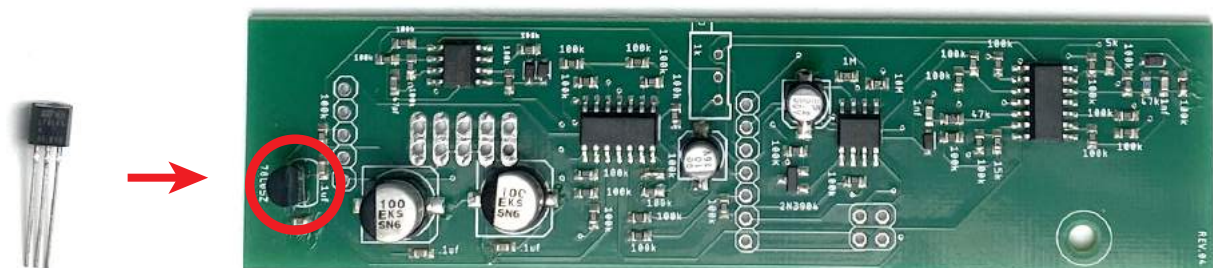
Start by locating all 6 capacitors, notice the different values and orientation marked on the pcb.

Tip: soldering these caps is easy, just place a dab of solder on the pad on your right (left pad if you're left handed) and then, with the help of a tweezer, put the capacitor in place and reflow the previously tinned pad to reflow the solder while pushing the capacitor down. Then solder the other pad.



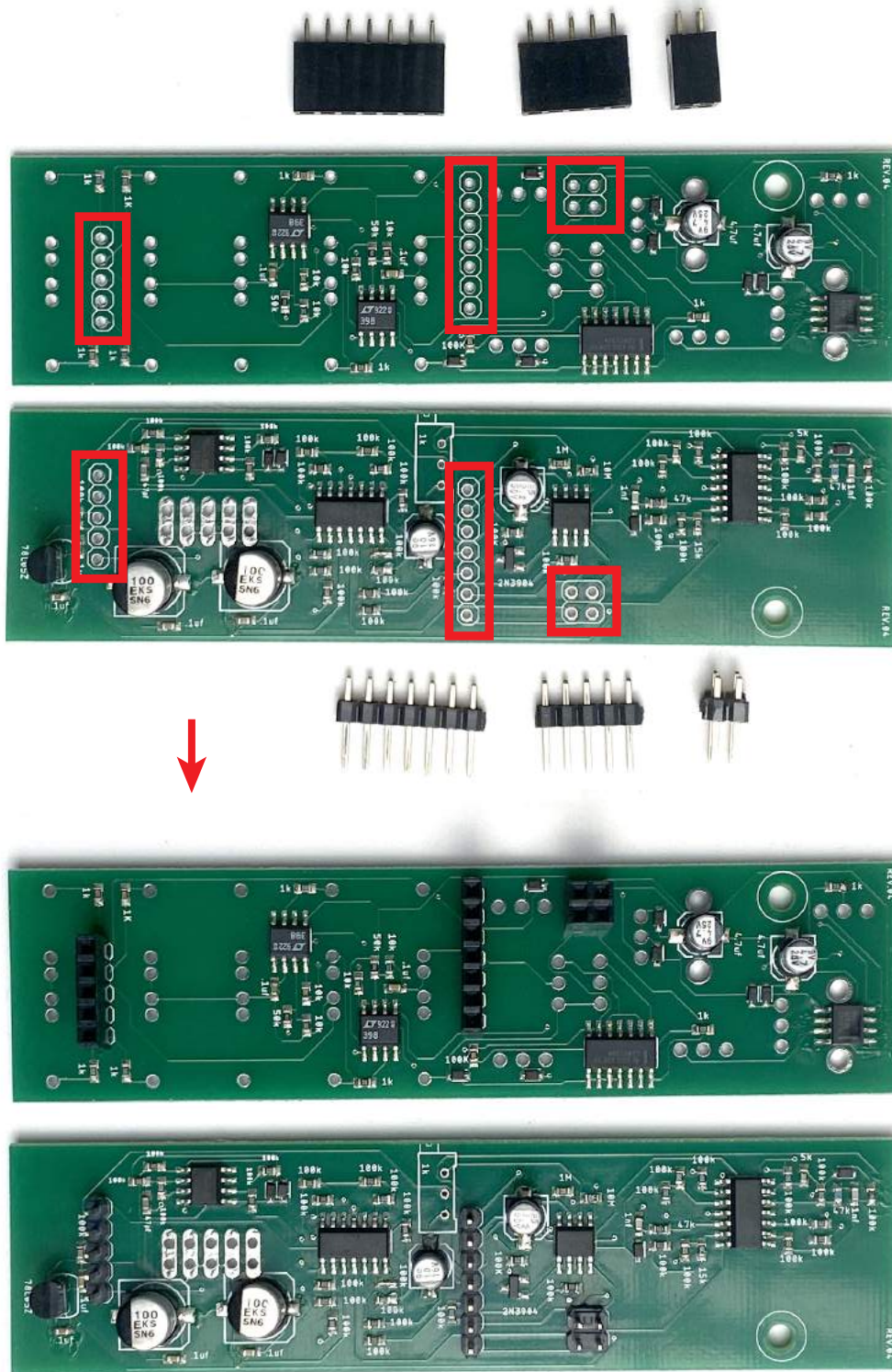
### STEP 2:

Proceed by locating the 78L05 Regulator and solder it in place, notice the orientation printed on the pcb.



STEP 3:

Next proceed to locate the male and female pinheaders and solder them like shown below.

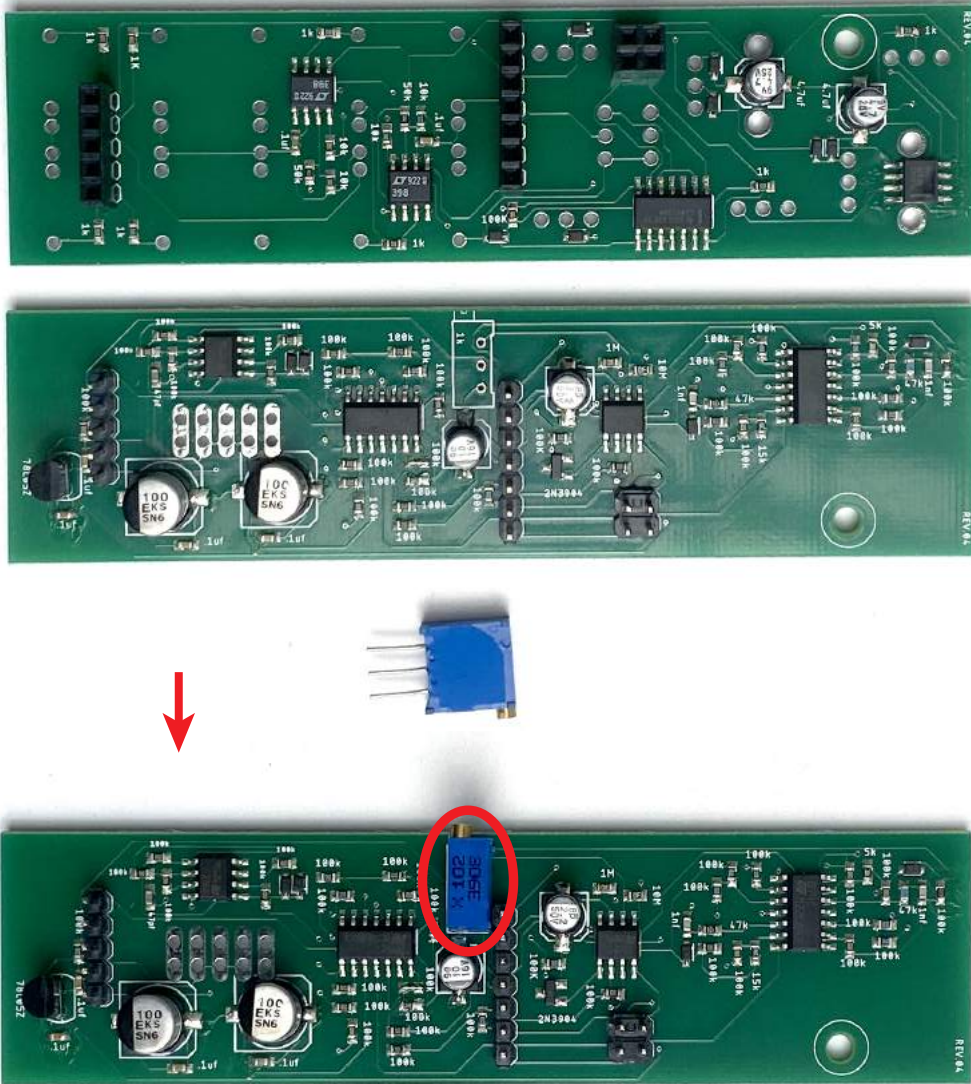




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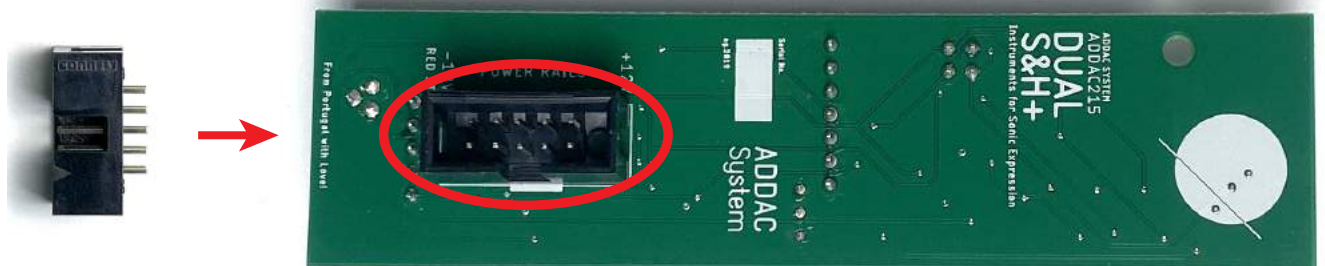
### STEP 4:

Next carefully break the 2 pcs apart, locate and solder the trimmer like shown below.



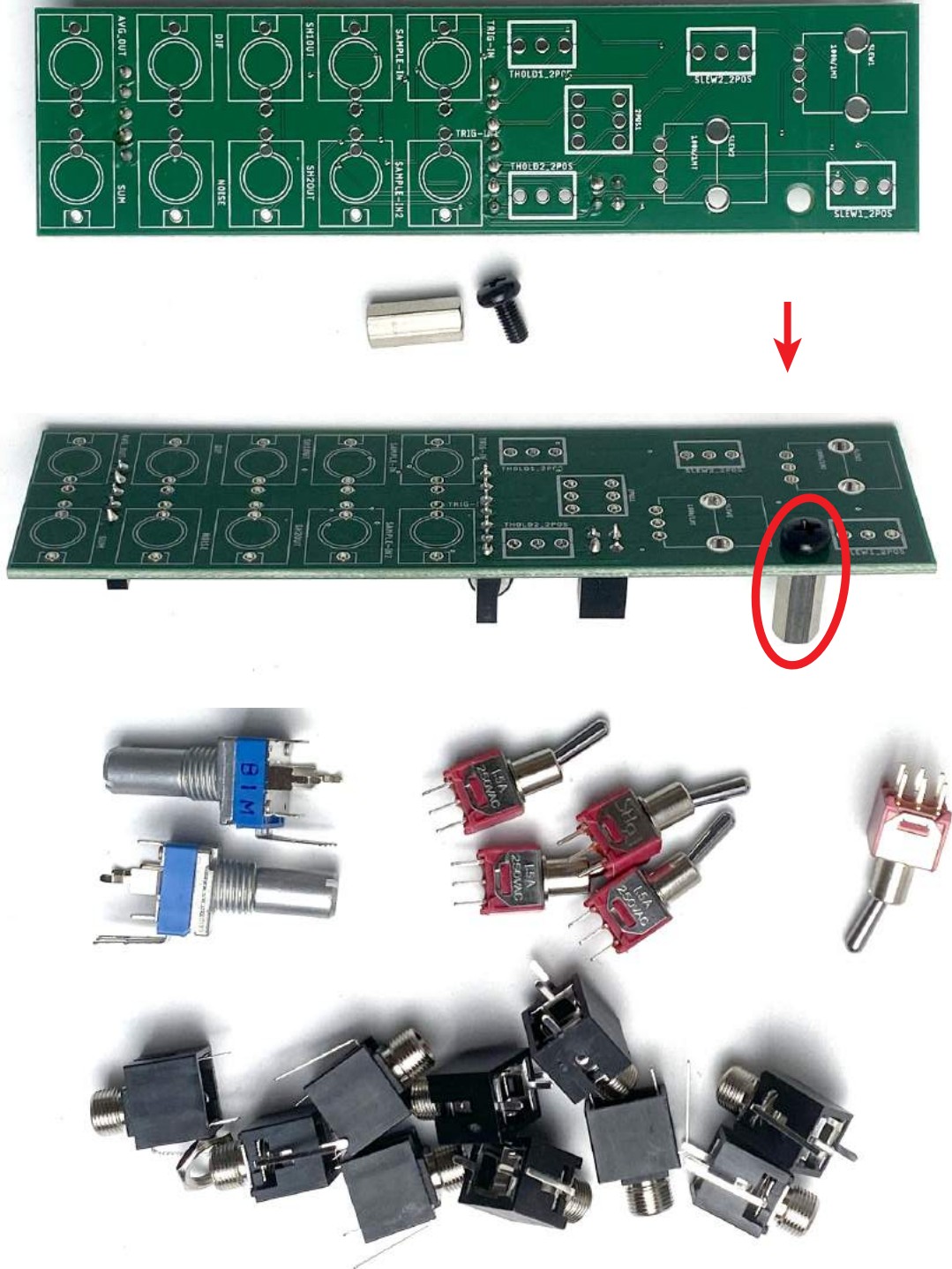
### STEP 5:

Next locate and solder the 2x5 boxed pinheader like shown below.



STEP 6:

Next attach the spacer like shown below and proceed to place all front panel parts.





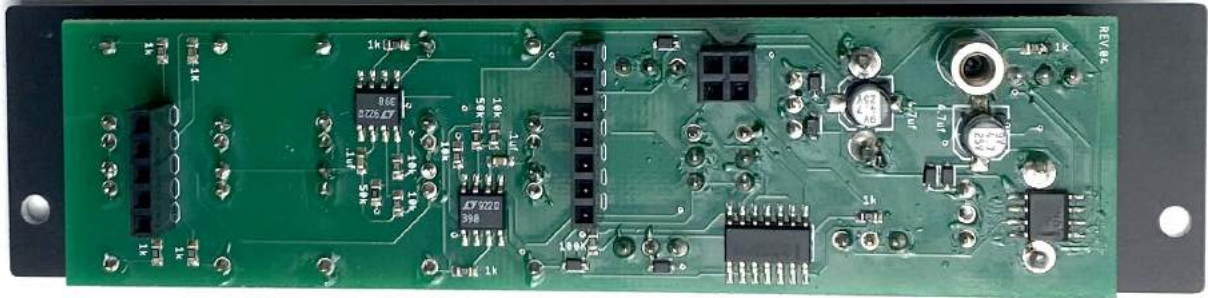
STEP 7:

After all parts are in place, fit the frontpanel in and tighten all the nuts. Proceed by soldering all pads in the back.

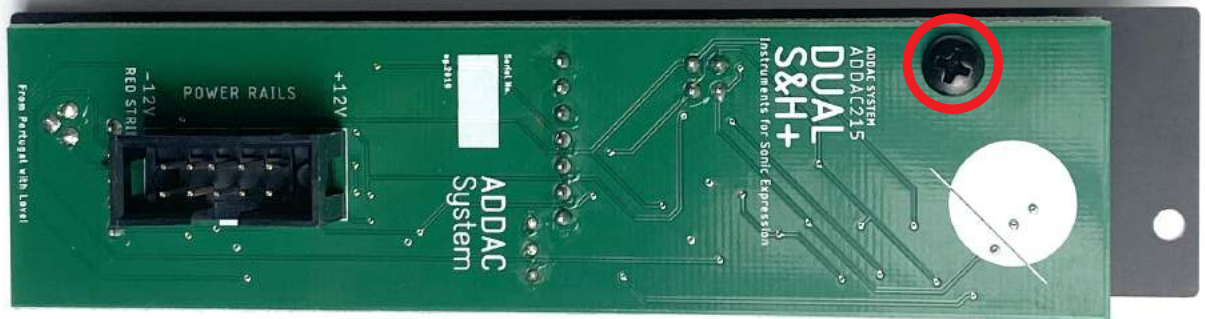




STEP 8:  
Solder all the front parts pads.



STEP 9:  
For the last step place the bottom screw





Place and tighten all remaining nuts and you're done!  
Happy Patching!



# Calibration

This process will calibrate the internal noise gain.

**PROCESS:**

1. Turn the module On and wait about 30 seconds for it to stabilize
2. Patch the "NOISE" Output to an oscilloscope
3. Adjust the trimmer until the level peaks at about  $\pm 5$  volts.

The  $\pm 5$  volt calibration is just a reference, the user can calibrate it to any other range according to his wish.





For feedback, comments or problems please contact us at:  
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