ADDAC
System

ADDAC304 MANUAL GATES
ASSEMBLY GUIDE   Revision.01 September.2017
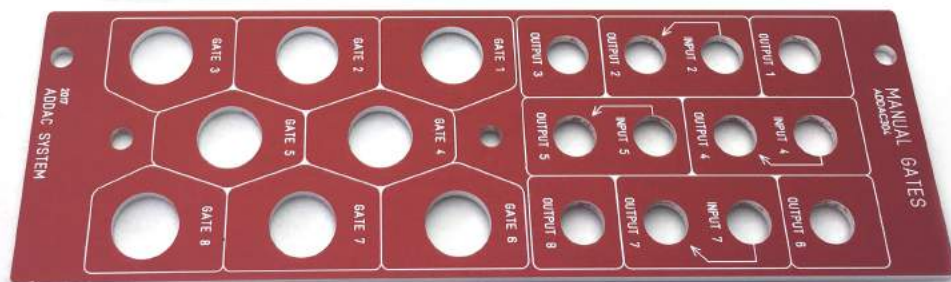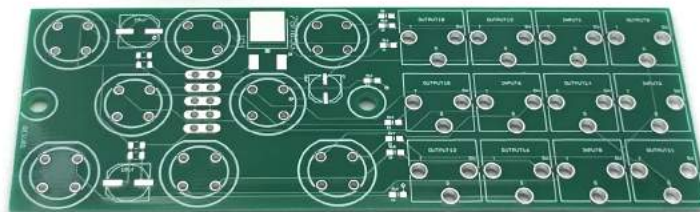
ADDAC System
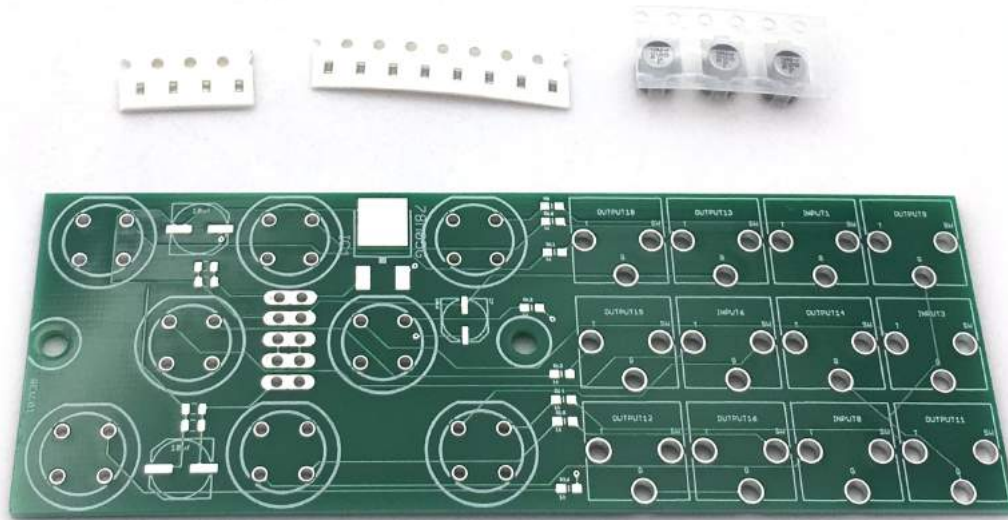
ADDAC304 Assembly Guide

September.2017

Parts included in the kit:
1x Front Panel
1x Pcb
3x 10uF SMD Capacitors
4x 100nF SMD Capacitors
8x 1k SMD Resistors
1x 78M05 IC
2x 10mm female/female spacer
4x M3 fiber washer
4x M3 screws
3x Nutted Jacks
9x No-nut Jacks
3x Jack nuts
8x Push Buttons
1x 2x5 IDC Connector
1x Ribbon cable

STEP 1:
Locate Pcb and surface mount parts.

STEP 2:
Start by adding a bit of solder to every smd part right pads, this will make it easier to solder the surface mount parts. If you're left handed then add solder to the left pads.
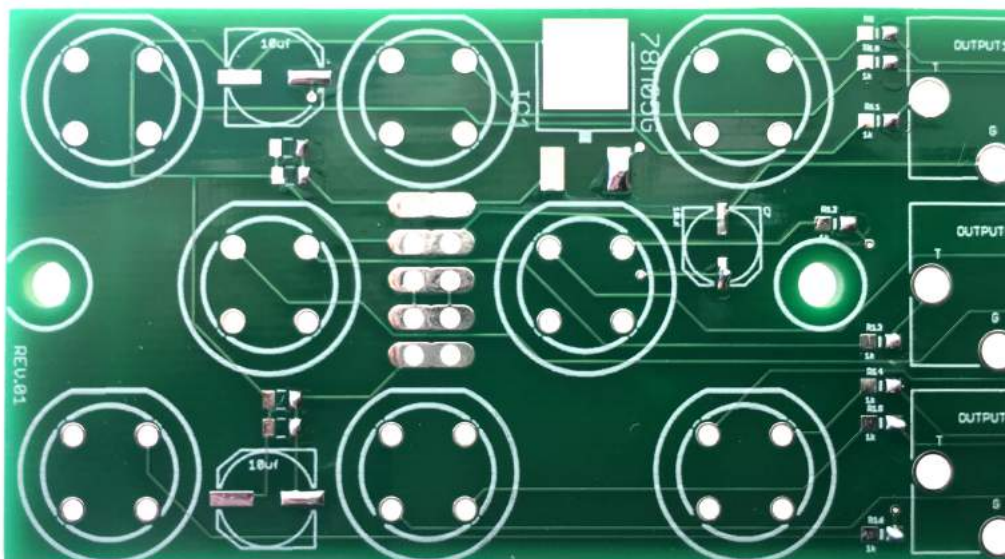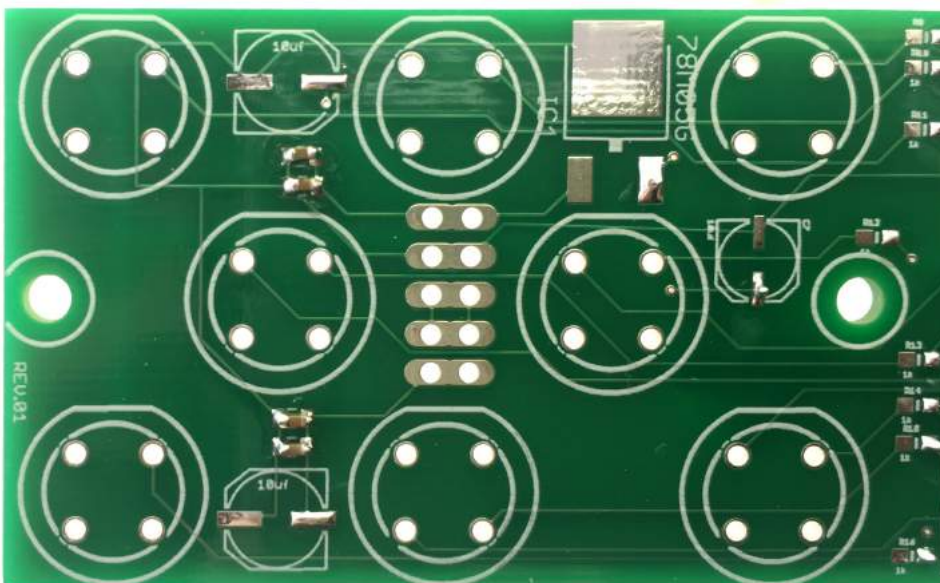
STEP 3:
Now let's place all 4 of the 100nF capacitors, use a tweezer and solder the right pad of each by heating the already added solder and place the part in place.
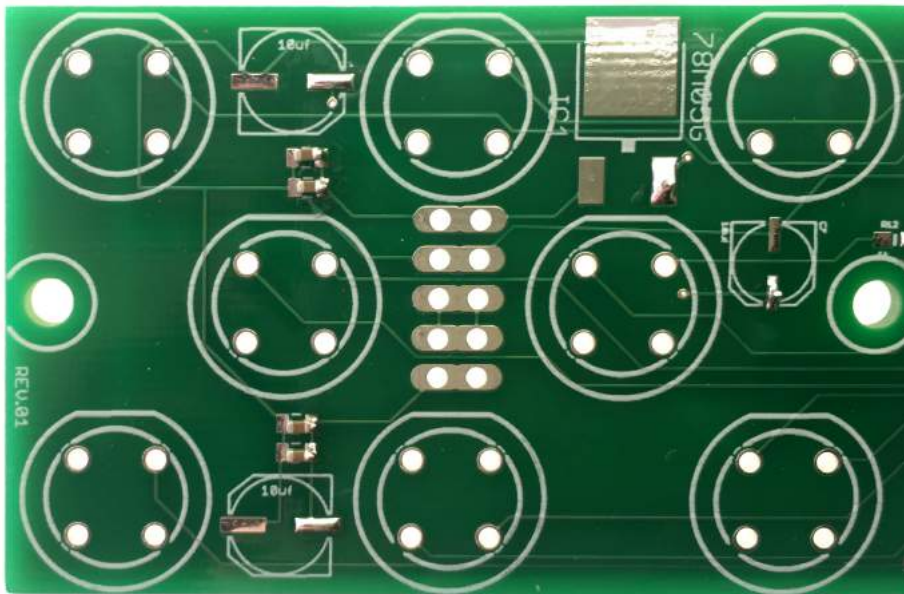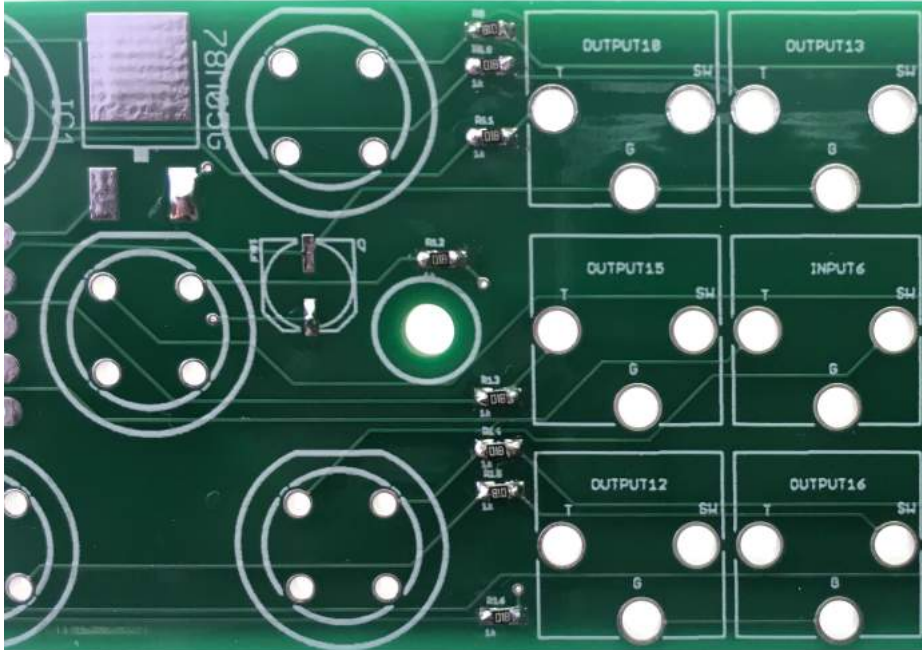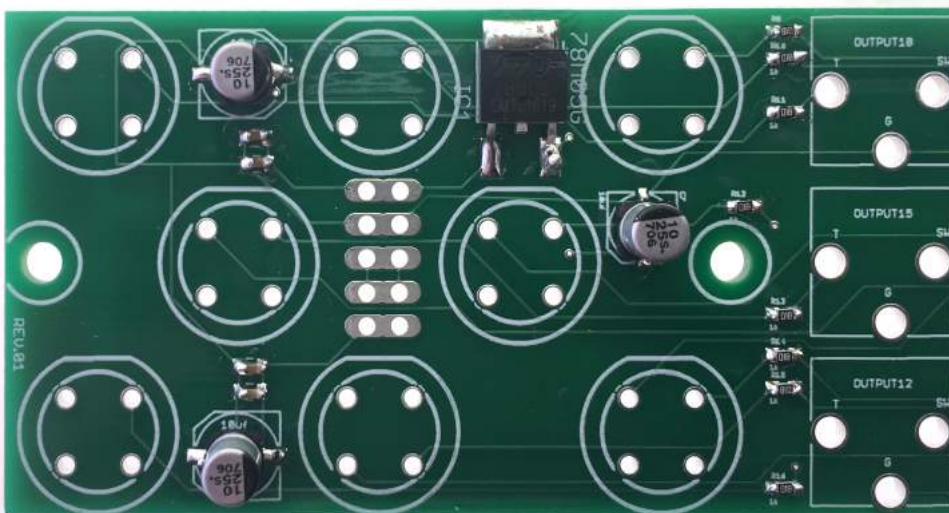

STEP 4:
Next solder all 4 left pads.

STEP 5:
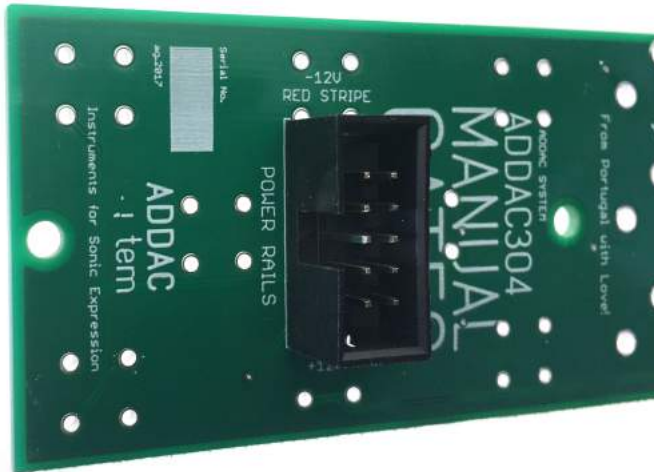Repear the process for all the 1k resistors.

STEP 6:
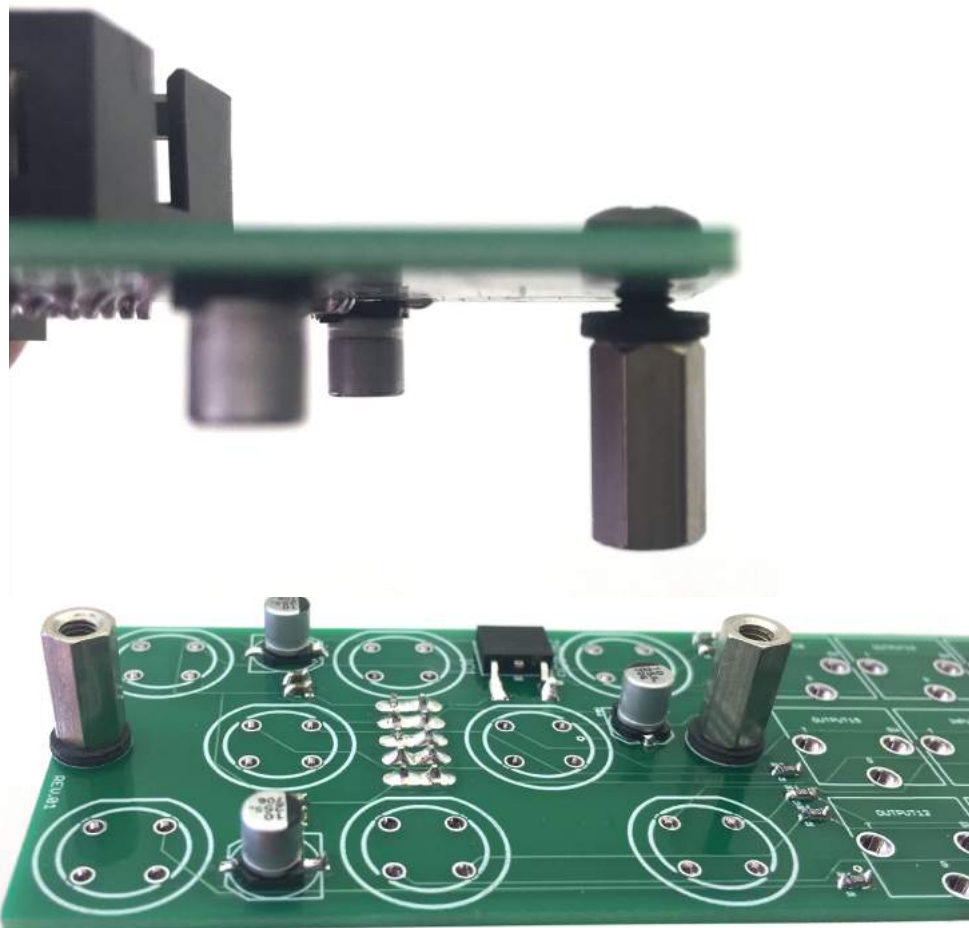Finally solder the 78MO5 and the 3 10uF capacitors.

STEP 7:
Place and solder the IDC power connnector, note that the indent faces down.
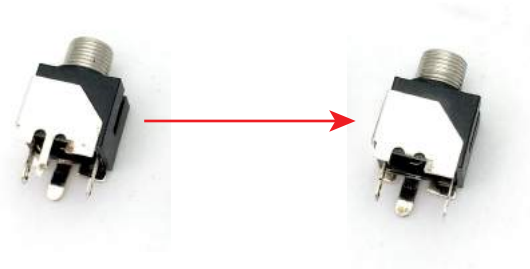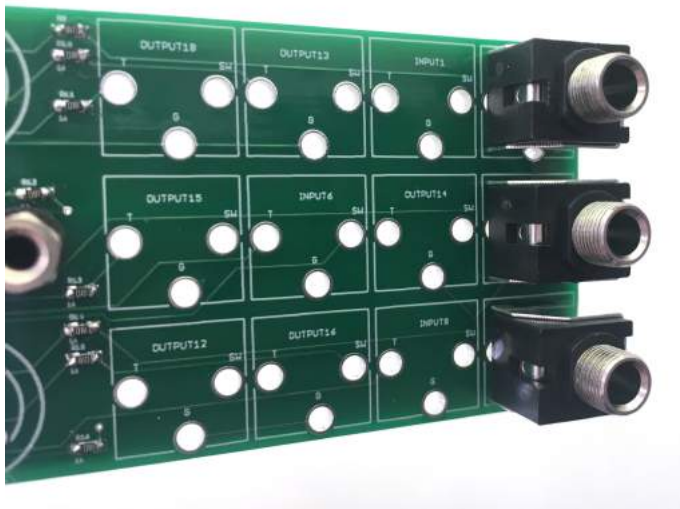

STEP 8:
Next place the spacers adding a washer between the pcb and the spacer.

STEP 9:
Locate the jacks and cut the smallest legs like shown below.

STEP 10:
Locate and place the 3 jacks with threaded shaft.

STEP 11:
Place the remaining jacks.

STEP 12:
Now let's place the push buttons, note that there's a specific orientation look for the bubtton's flat face and match it with the pcb print.
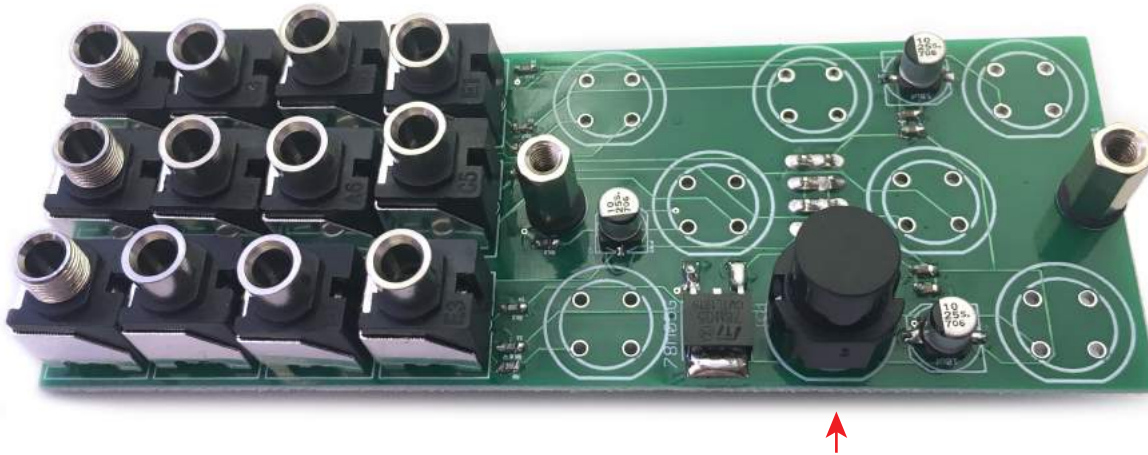

STEP 13:
We'll have to trim 2 legs of only one of the push buttons, cut 2mm of each of the legs further away from the button's flat face. Note that you only need to do this to 1 button.
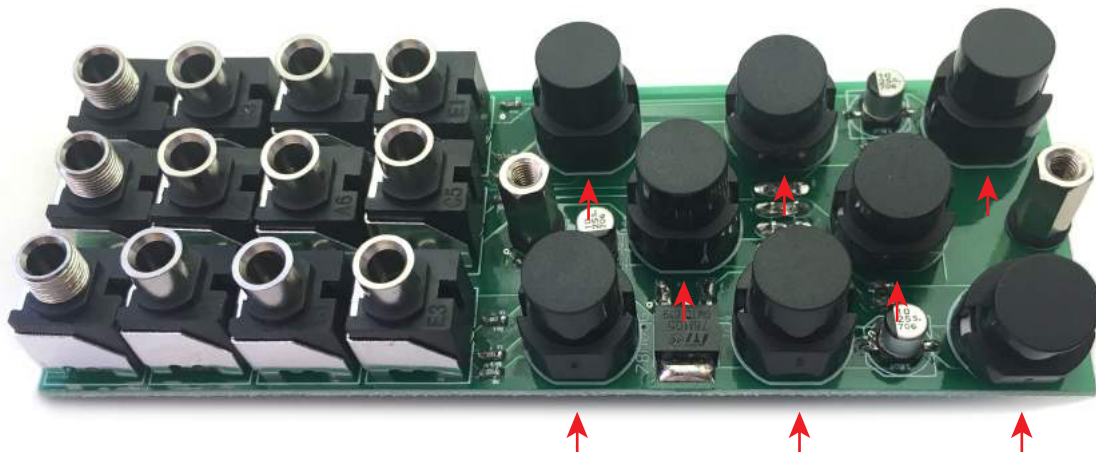

STEP 14:
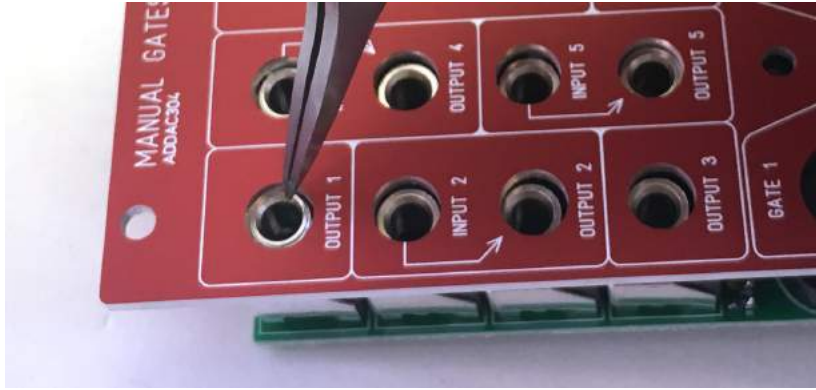Place the button with the trimmed legs in the position shown below.

STEP 15:
Next place all the remaining push buttons, keep paying attention to the button's orientation.

STEP 16:
Next let's place the front panel, use a tweezer to help getting all the jacks in their holes.

STEP 17:
Tighten the jack nuts and the 2 screws.

STEP 18:
Next we'll solder the jacks.

STEP 19:
To solder the jacks without damaging them it's a good practice to solder only one pad of each jack first.

STEP 20:
Then solder a second pad of each jack.

STEP 21:
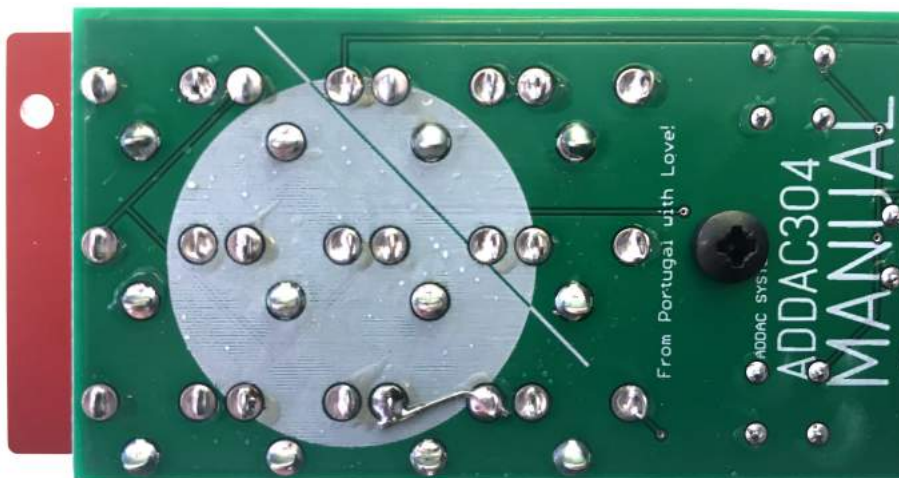Finally solder the remaining pads of all jacks.

STEP 22:
Next lay the module facing down on a flat surface (this will allow the push buttons to be alligned) and solder their pads.

STEP 23:
Finally solder a small wire between the 2 jack pads like shown below.

Congratulations, you're done!

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

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