Naim NAC 102

Upgrading NAC 102 to NAC 82

TeddyPardo
HIGH END AUDIO

What’s included in the kit

- DualTeddyCap
- DIN socket
- Wires, cable ties

This kit adds more power rails to the NAC102, effectively bringing it to equal level of NAC82, at less than half the price.

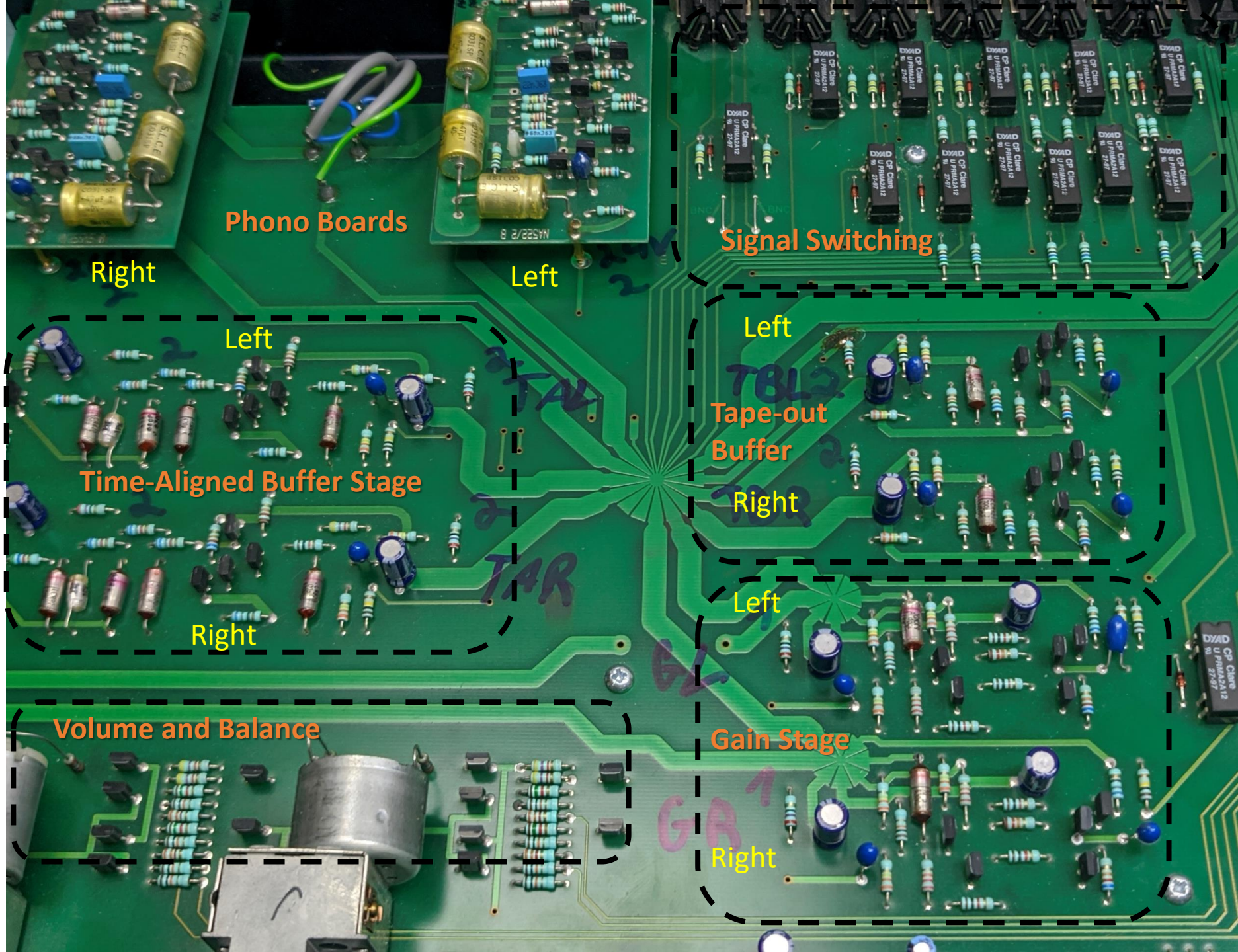
This conversion requires medium-level soldering skills.

Before beginning

This conversion makes the following assumptions:

1. Phono boards are installed.
2. Tape outputs are not used, hence tape-out buffers are not in use.

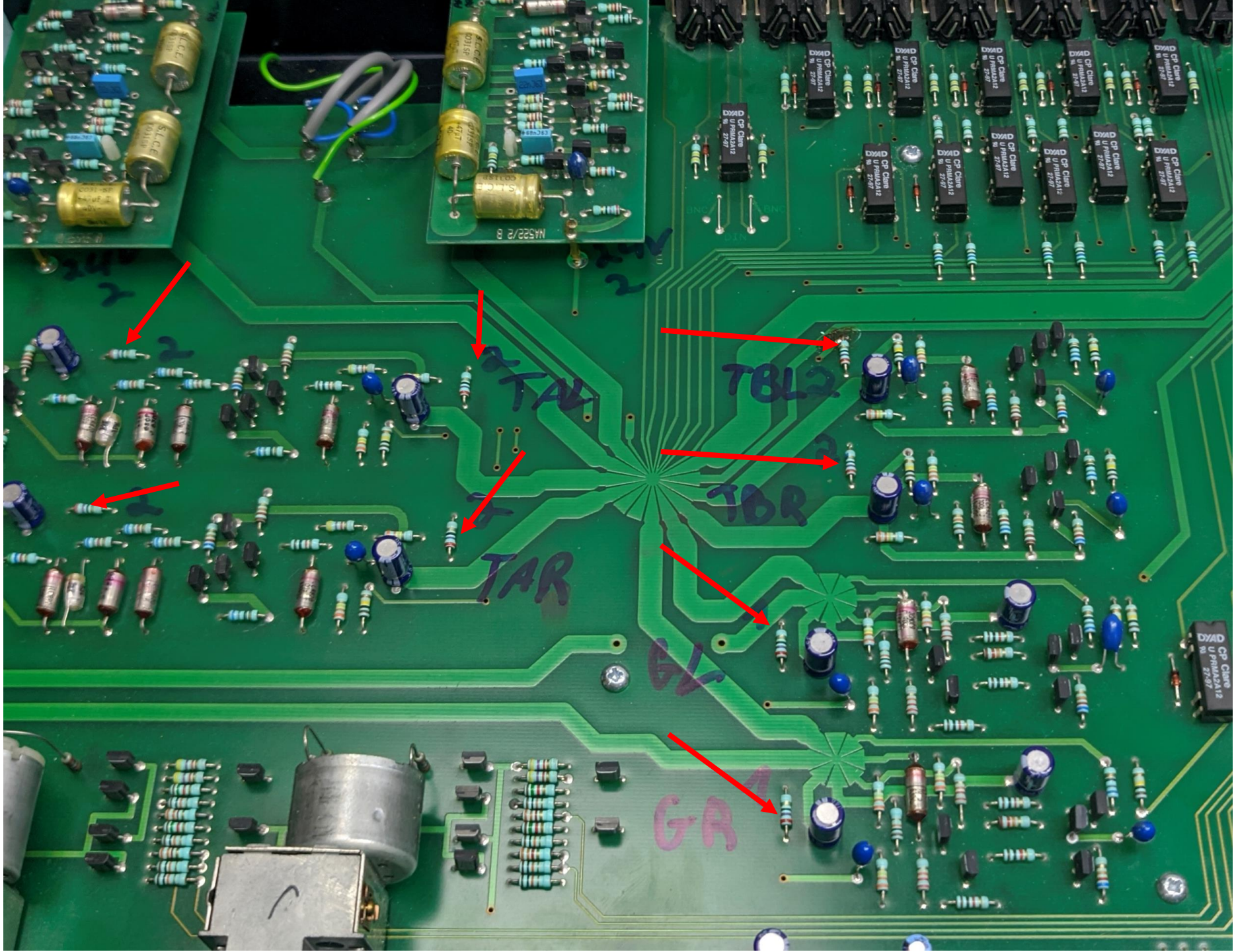
Mapping the NAC102



NAC102 power distribution

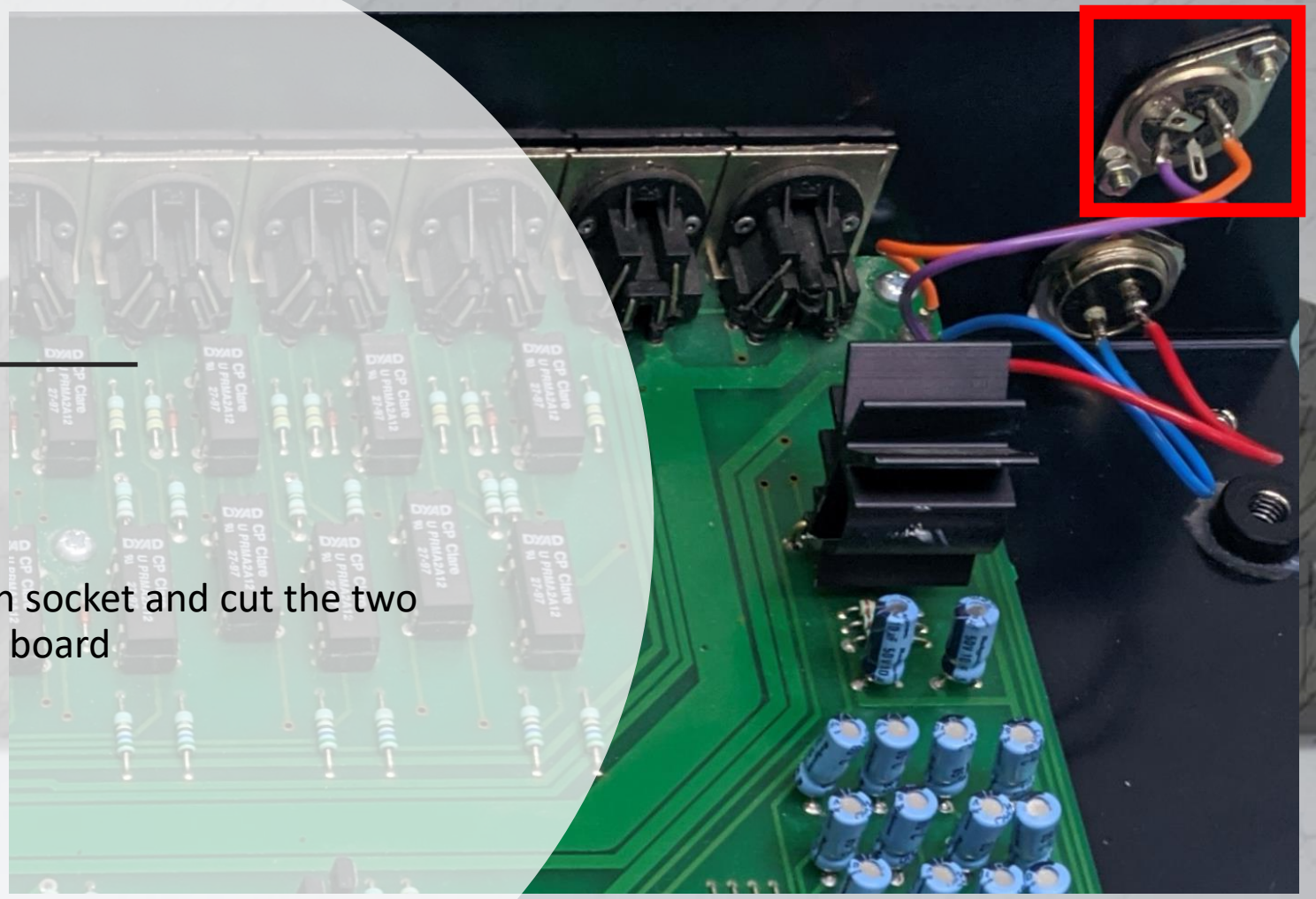
Each one of the modules, receives power entry (24V) via a series 27R resistor (marked), and 47uF to ground.

Note that the Time-aligned (TA) has two power entries per channel.



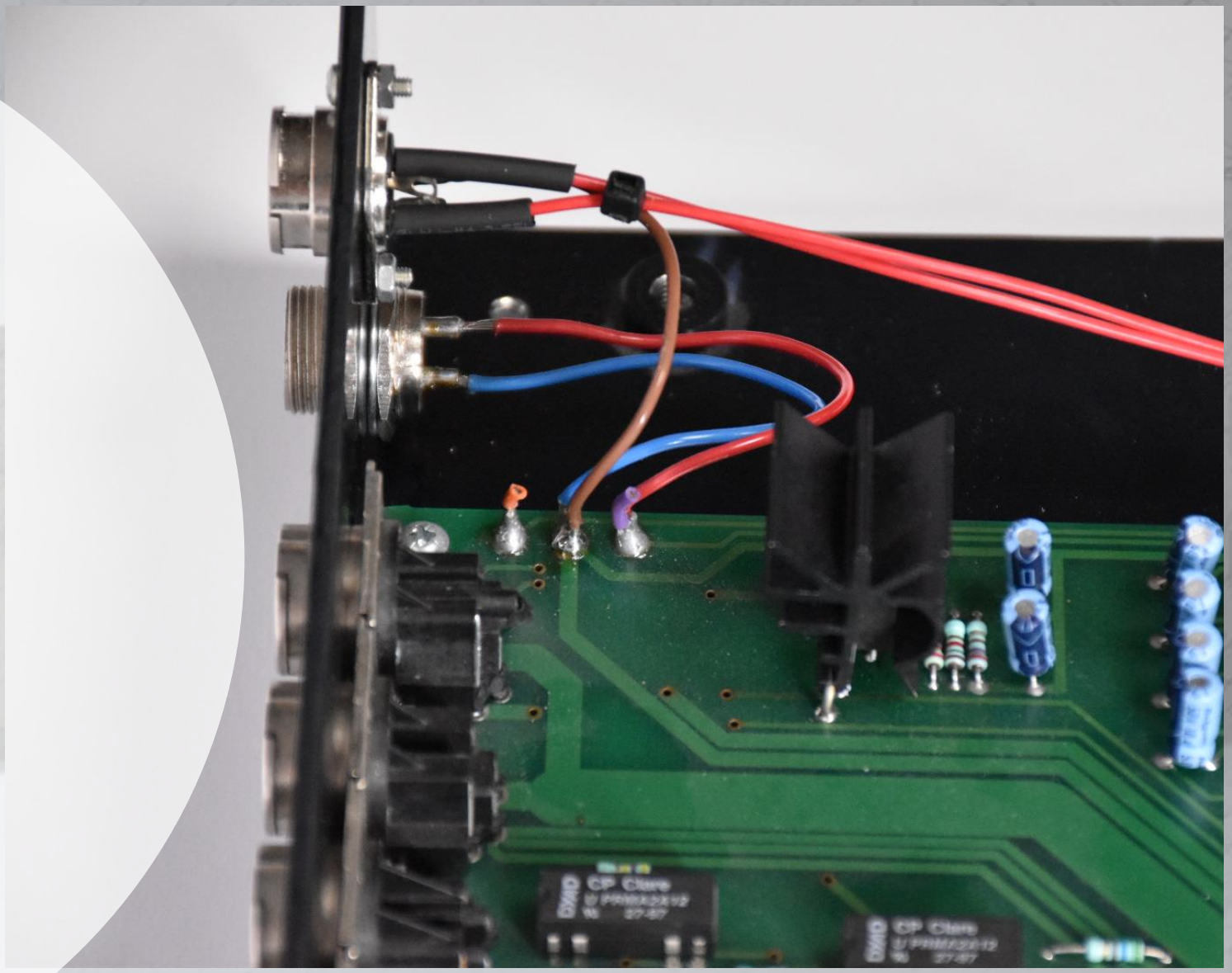
Conversion process

1. Remove lid

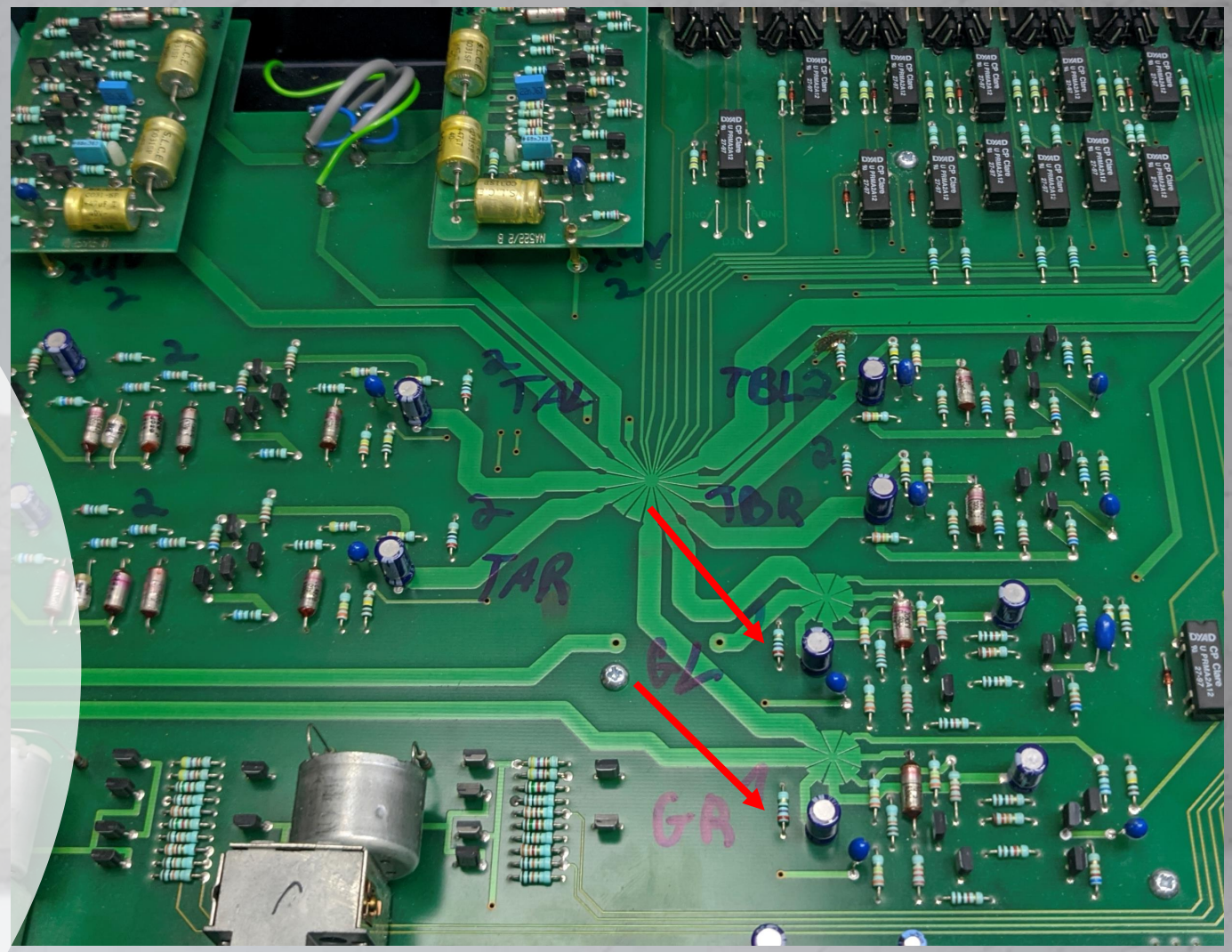


Step 2: Remove 4 pin socket and cut the two wires from the main board

Step 3: Assemble the supplied 5 pin DIN socket and solder the brown wire (grounding) to the main board as pictured



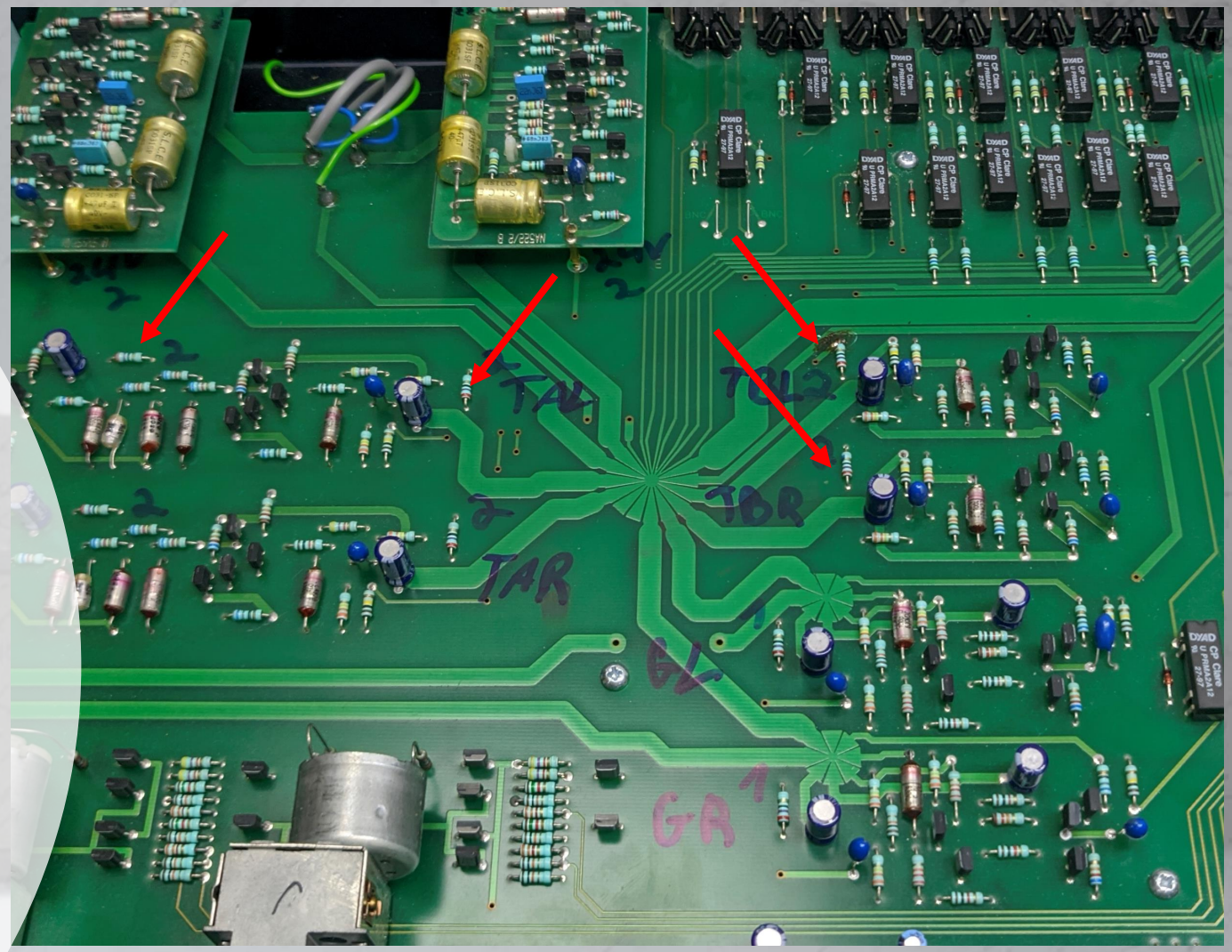
Step 4: Remove the marked 27Ω resistors
(* color code Red-Violet-Black-Gold)



Step 5: Lift one leg of the marked 27R resistors.
(* color code Red-Violet-Black-Gold)

Note1: the Time-Aligned entry points will be wired to the Gain original entry points.

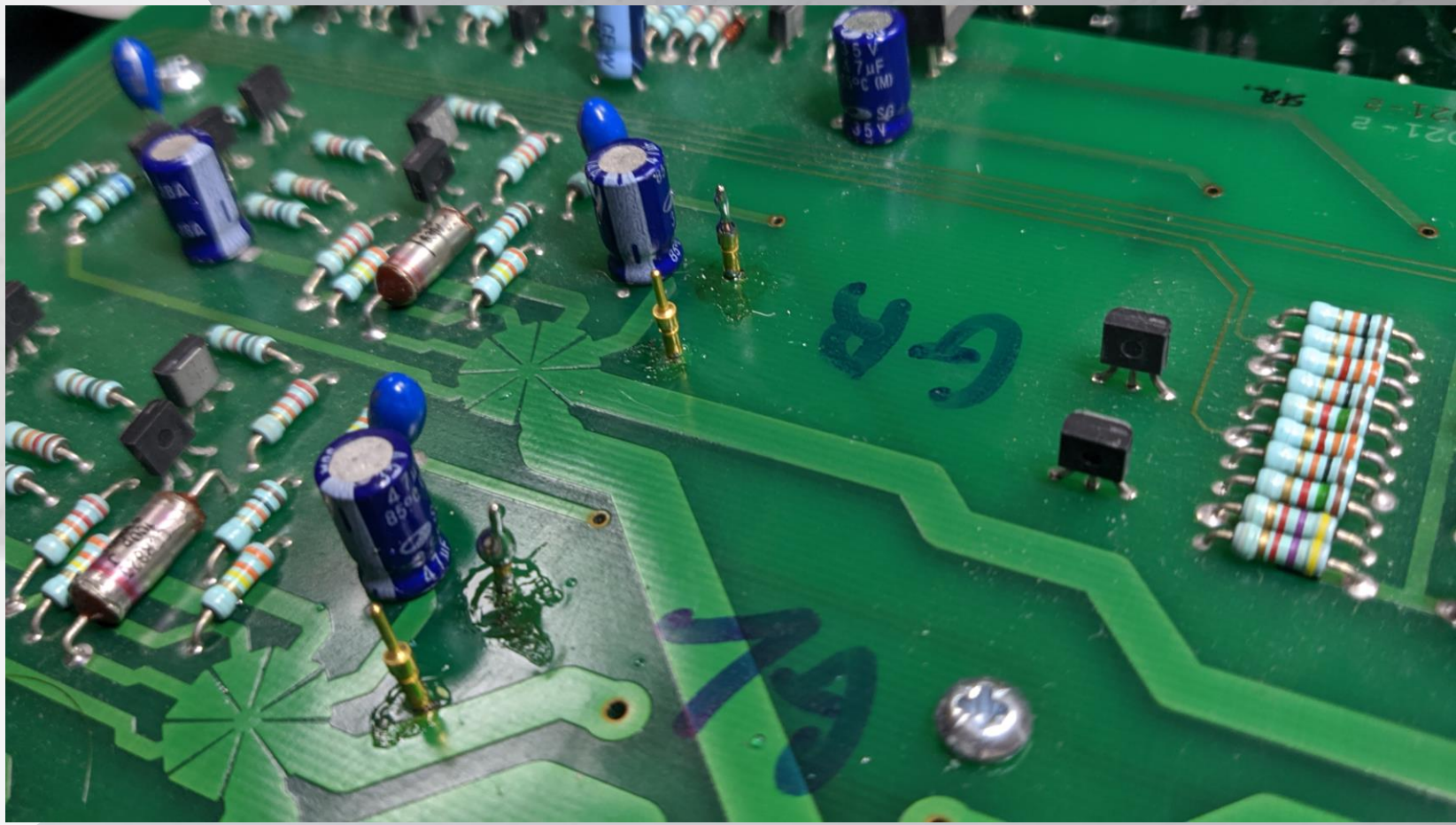
Note2: Tape buffer is left inactive.



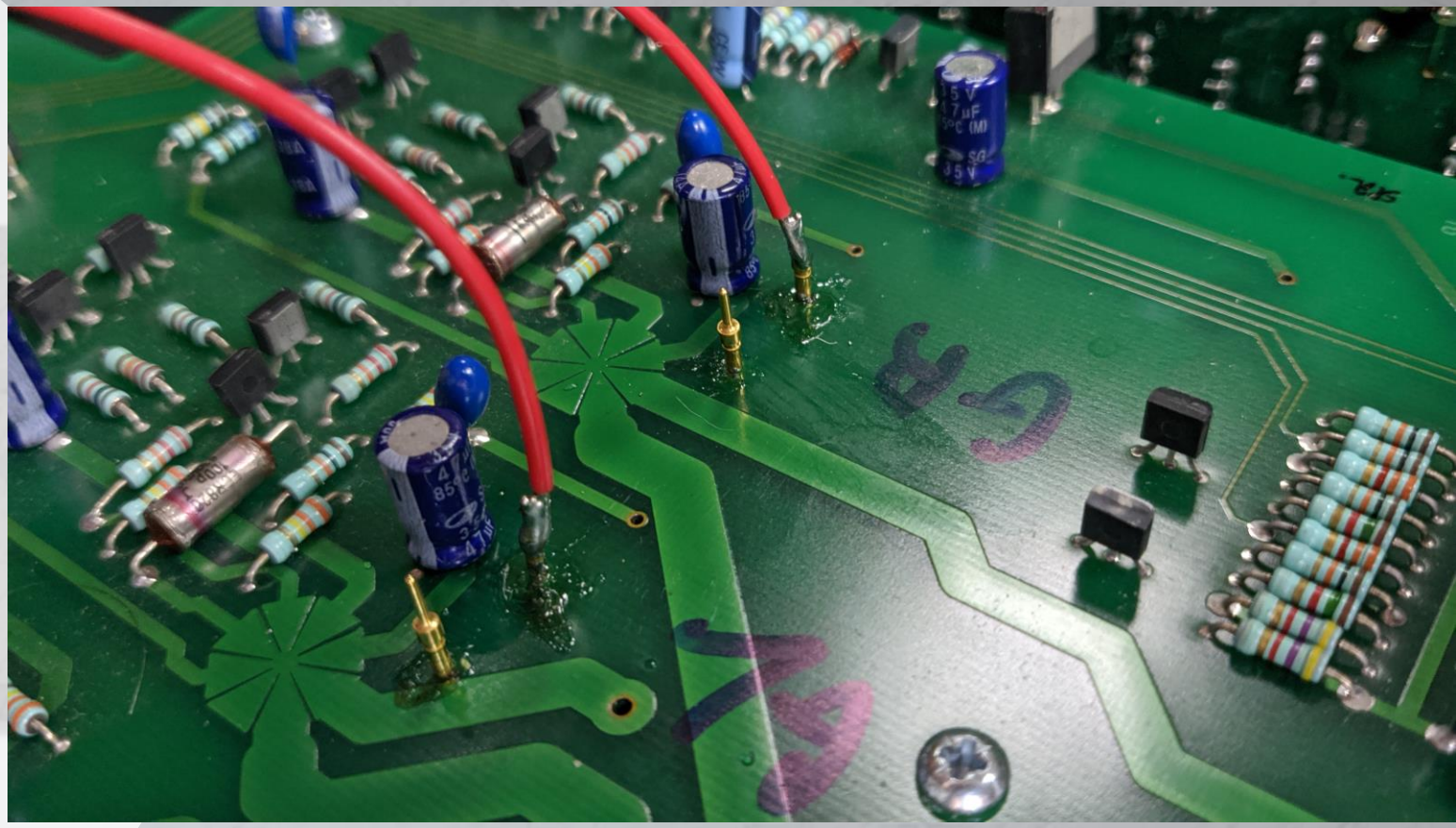
Step 6: Use a sharp knife (scalpel) to cut the 24V entry point to the left (ch1) phono board.

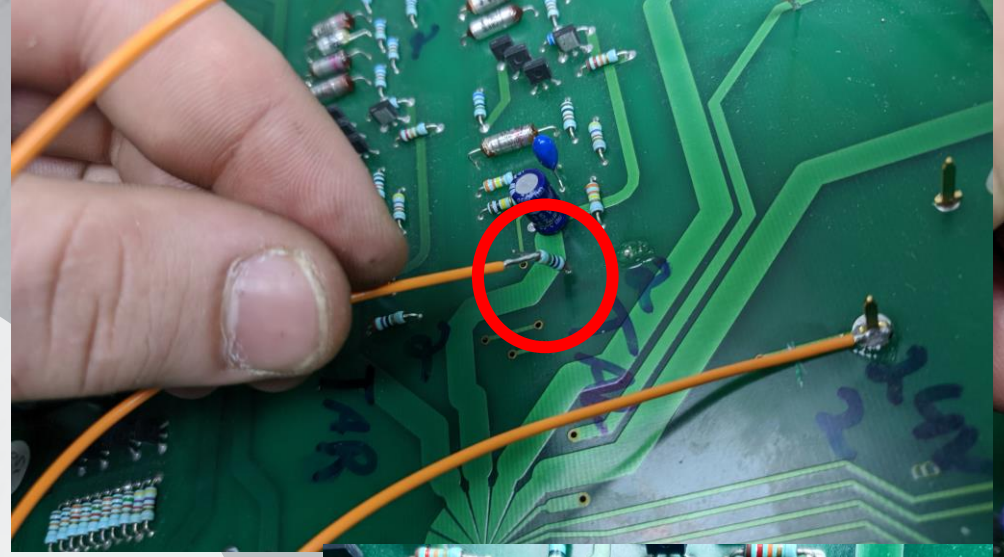
Use a multimeter to verify there is no continuity, as pictured.

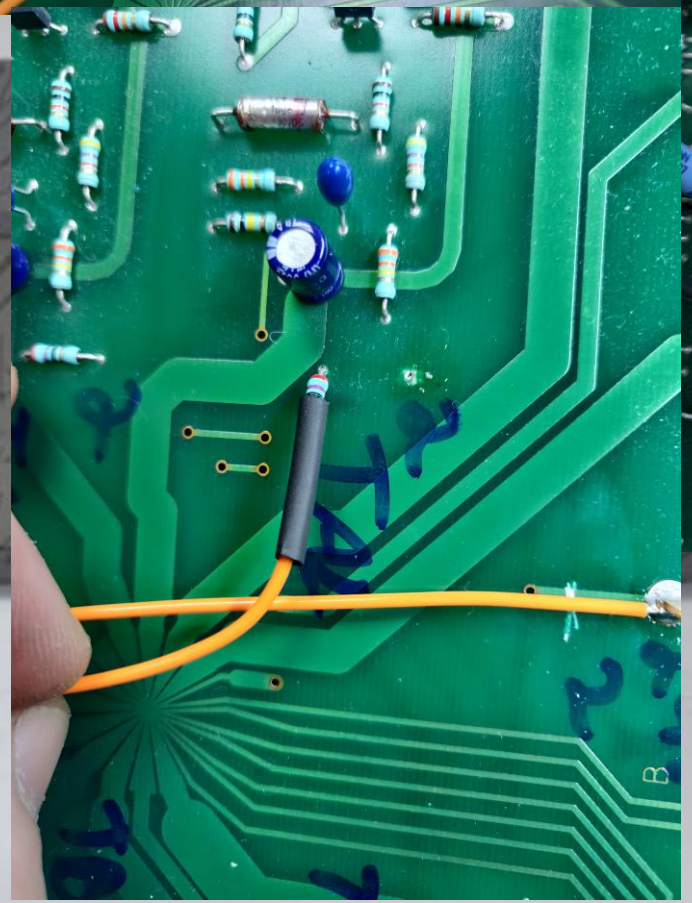
Step 7: place 4 connecting pins at the original entry points of the Gain stage.

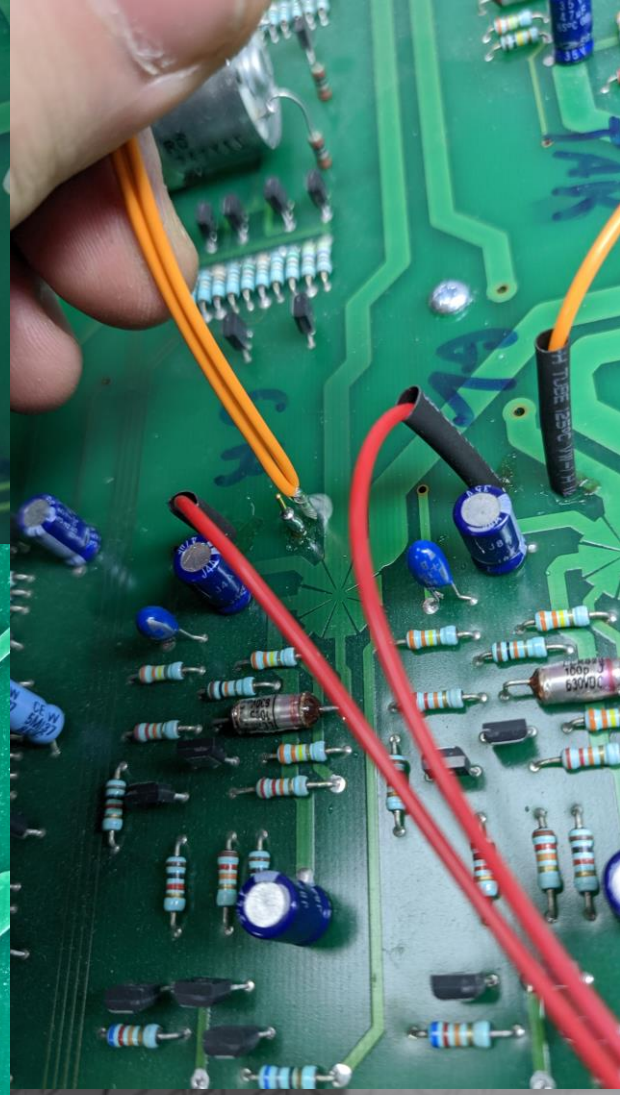


Step 8: Connect the two long wires from the new DIN socket to the Gain stage entry points.







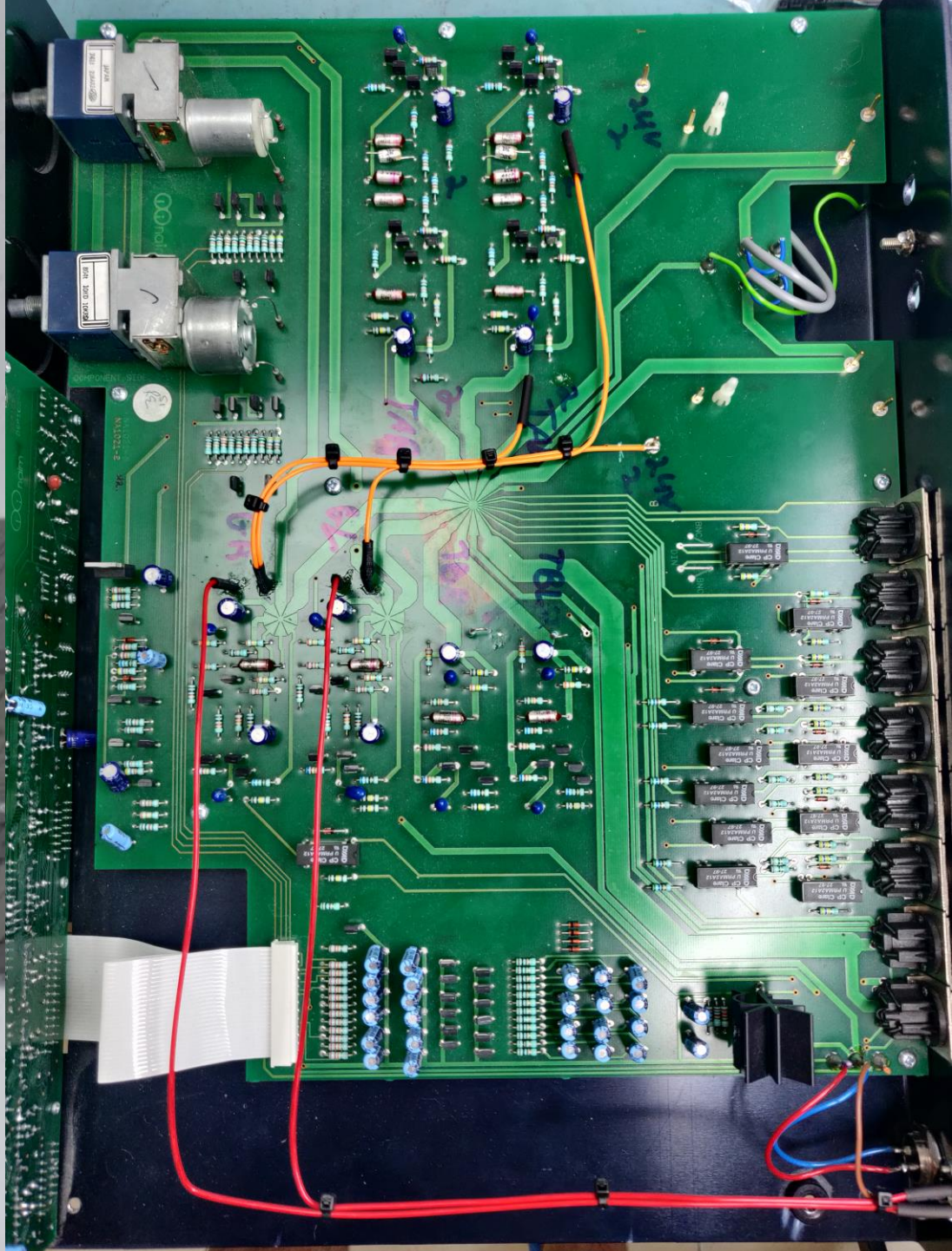


Step 9: Connect additional wires from the Gain stage entry pins, to the Time-Aligned and phono entry points. Connect the wires to the resistors, use heat-shrink to cover the solder points.

The wiring is as follows:

- From Gain stage Left to Time-Aligned Left.
- From Gain stage right to Time aligned Right.
- From Gain stage Right to Phono (both phono channels are connected)

Result of the previous steps.



Make sure to mark the back panel with the supplied label.

External wiring