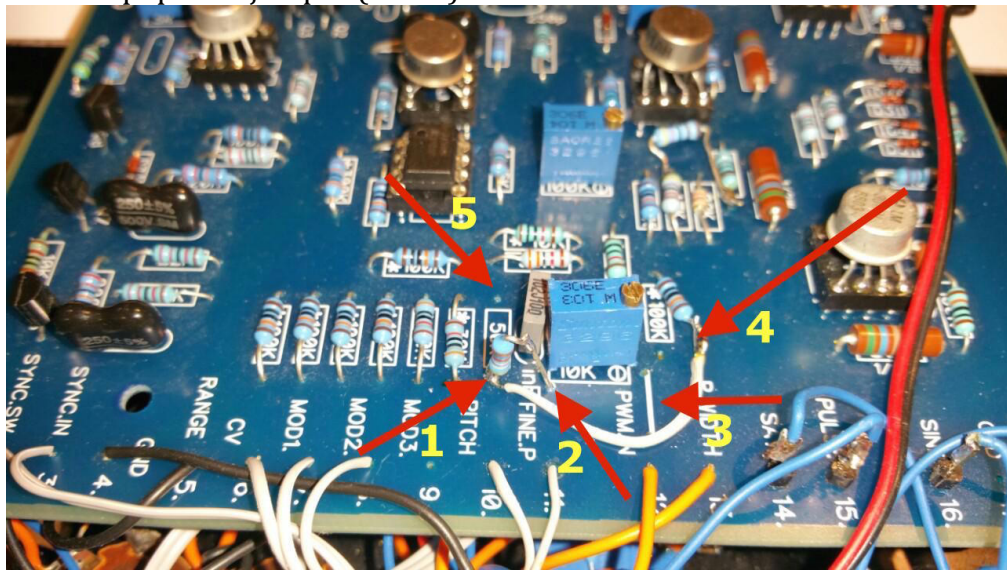


Roland VCO 702 DIY corrections .. (for v1 and some for v2 Pcb's)

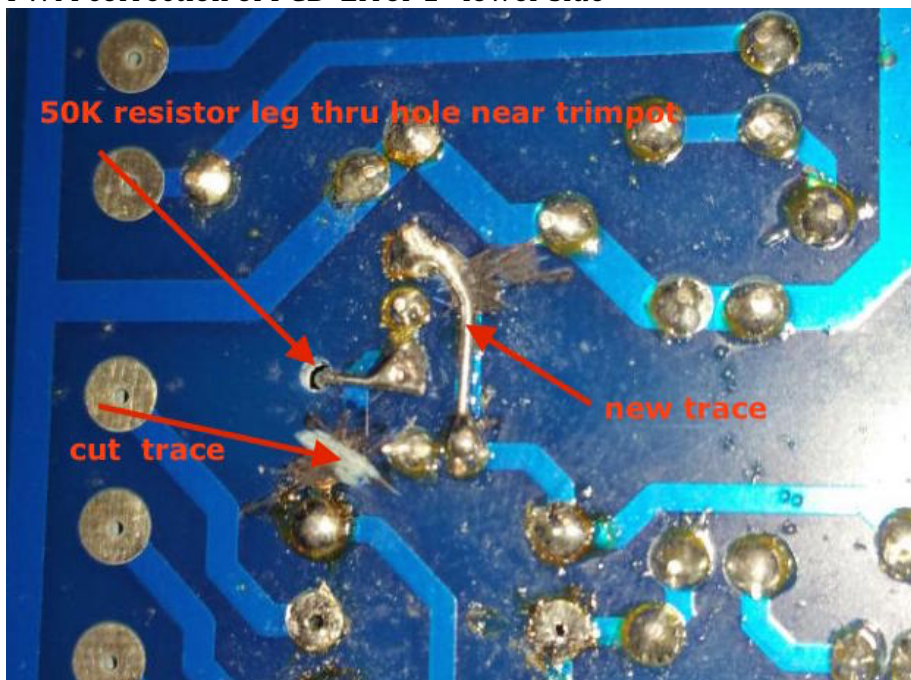
Down at the end will be last v3 PCB design without those errors.

1. PWM correction of PCB Error 1 – upper side

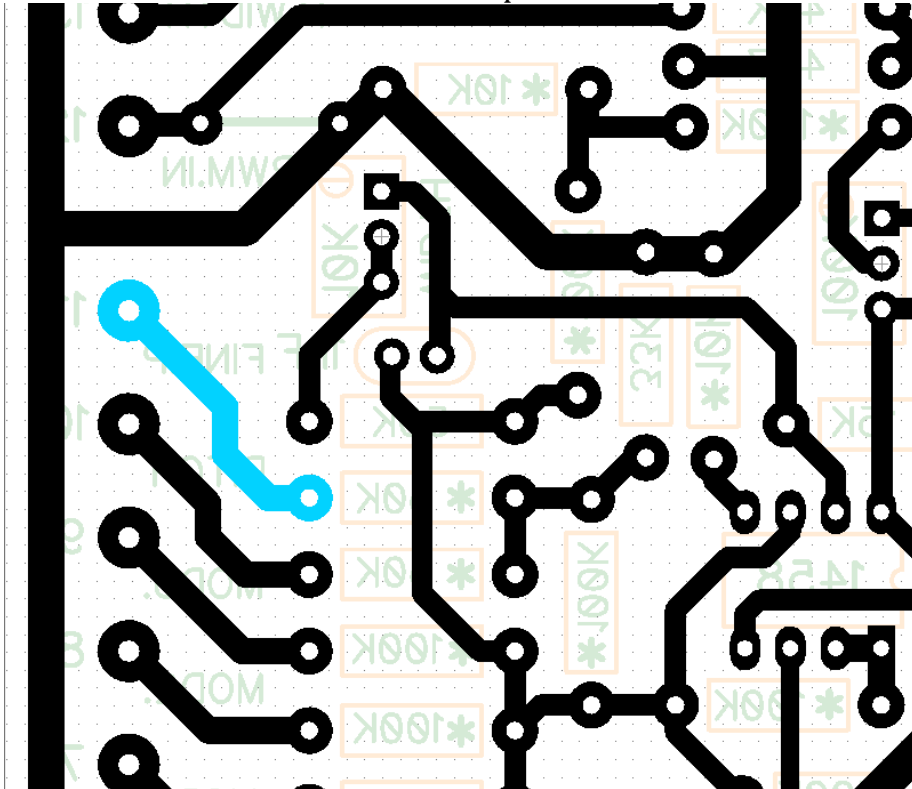
- Remove one side of 50K resistor shown on picture (note 5) and drill a hole near trimpot as shown on picture (note 2).
- Remove one side or 100K resistor from PCB as shown (note 4).
- Add a wire (white one in the picture) and connect removed side of 100K resistor and side of 50K resistor as on picture. (note 1 to note 4).
- Do not populate jumper (note3).



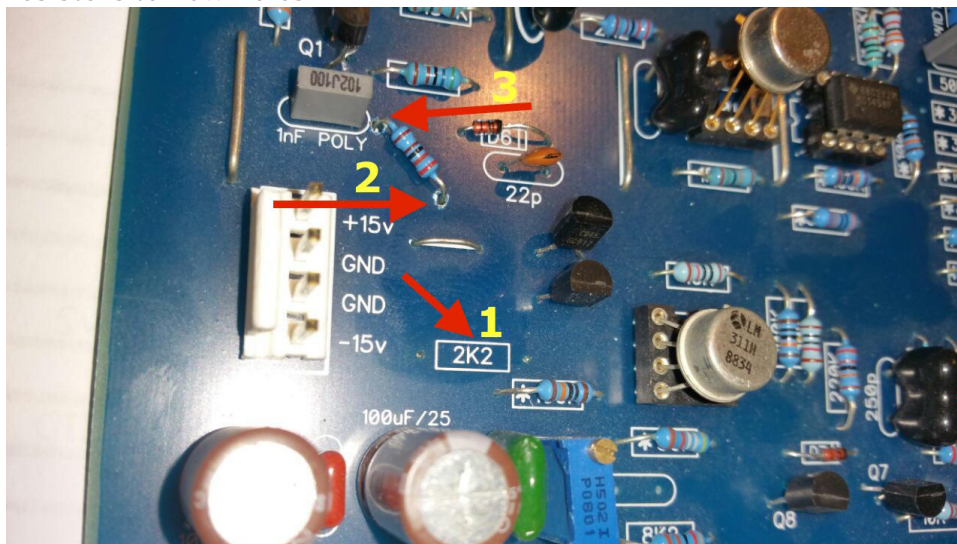
2. PWM correction of PCB Error 1– lower side



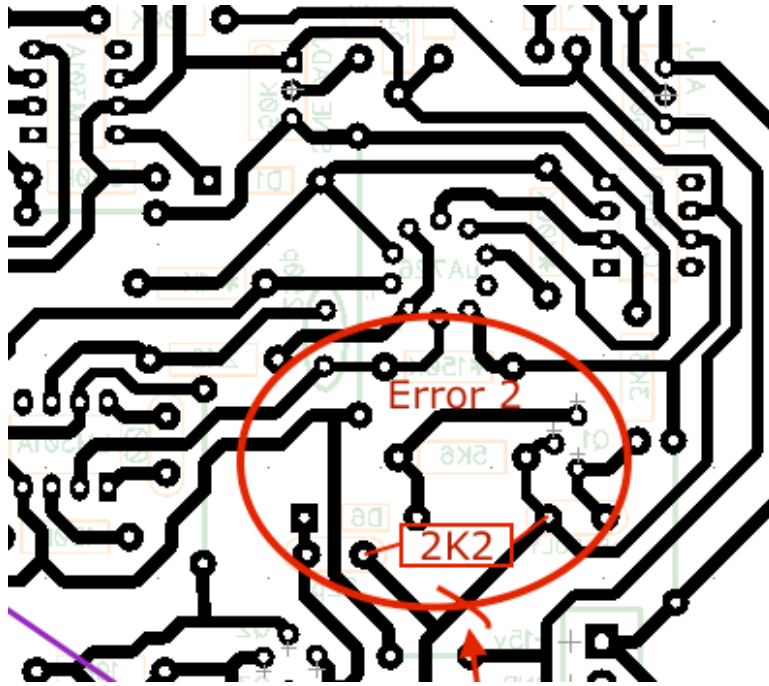
this is how v3 PCB correction of this part looks like !



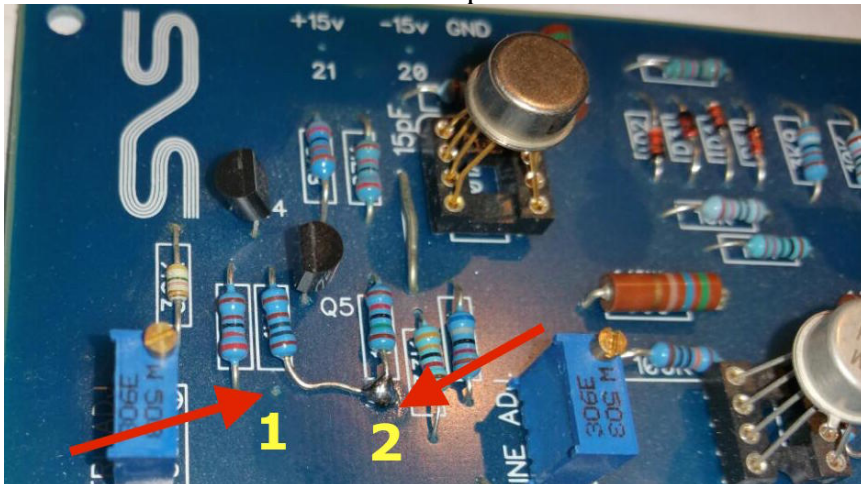
3. Relocating 2k2 resistor on PCB Error 2- upper side
 - Remove 2k2 resistor as shown on picture (note 1)
 - Drill 2 new holes as shown on picture (note 2 and note 3) .. add new resistors to new holes.



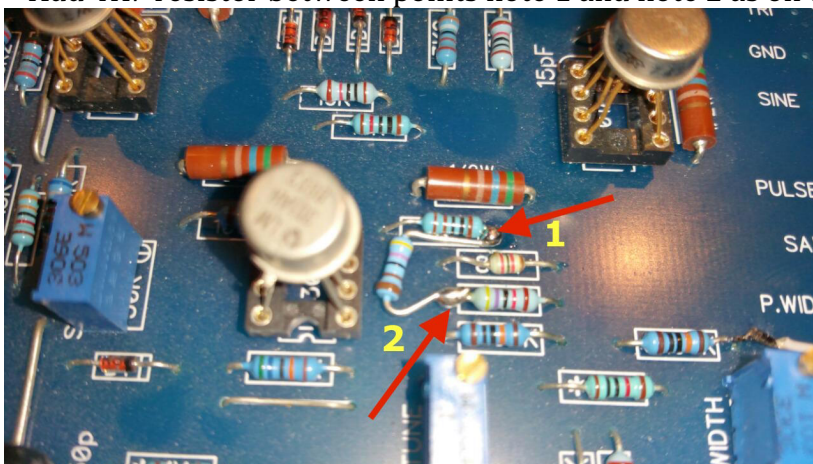
4. Relocating 2k2 resistor on PCB Error 2 - lower side
 - Picture shows where 2k2 relocated resistor should be connected - soldered to PCB .



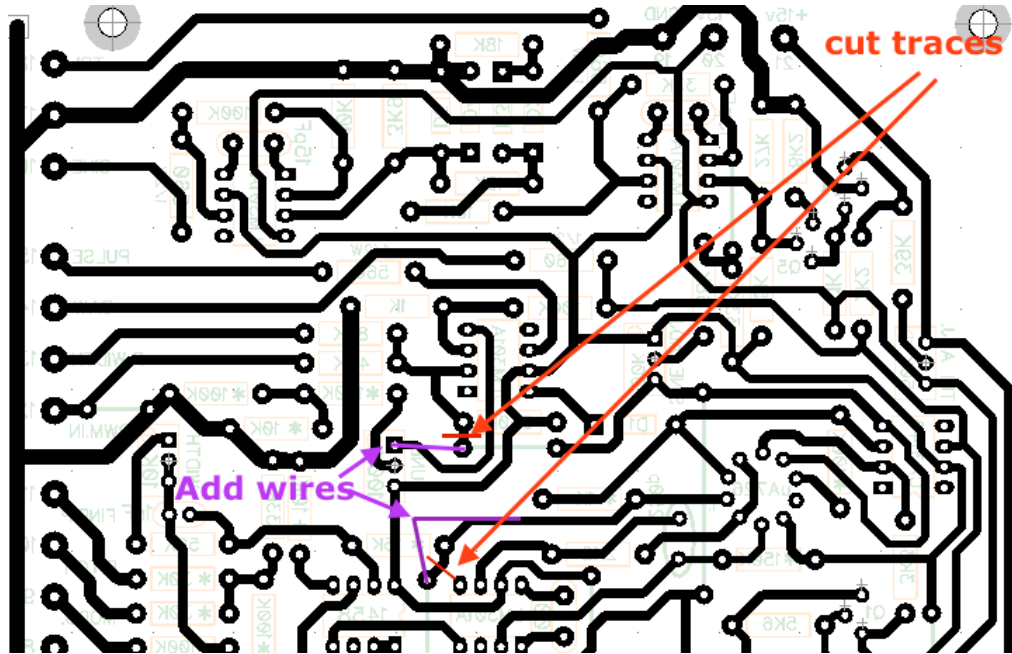
5. Error 3 - only upper side- remove resistor 1K from PCB (note 1) and solder it to 15K resistor near it to pin as shown in note 2.



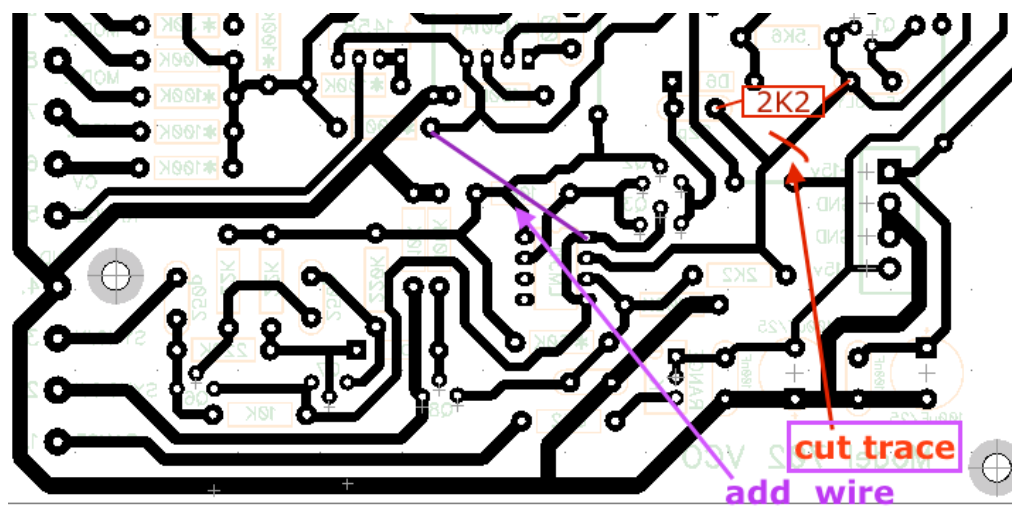
6. Error 4 only upper side:
 - Add 4K7 resistor between points note 1 and note 2 as on the picture.



7. Errors 5 and 6 – cut traces and add wires
- both errors are on bottom side
 - purple colored lines show jumpers to add
 - red colored lines show traces to cut!



8. Errors 7 and 8 - cut trace and add wire
- both errors are on bottom side
 - purple colored line show jumper to add
 - red colored line show trace to cut!



9. Add 47K resistor as shown on picture.

v3 Bottom
PCB

