



You have to keep in mind that the timer mentioned in 2<sup>nd</sup> scenario cumulates the time when unit was active, e.g. if you drive 1 hour each day then at the end of day 8 your radio will be locked. When buying the unit you can never be sure how much time has been left – if you're lucky it might be close to 8 hours, if you're not it might be single minutes ☹

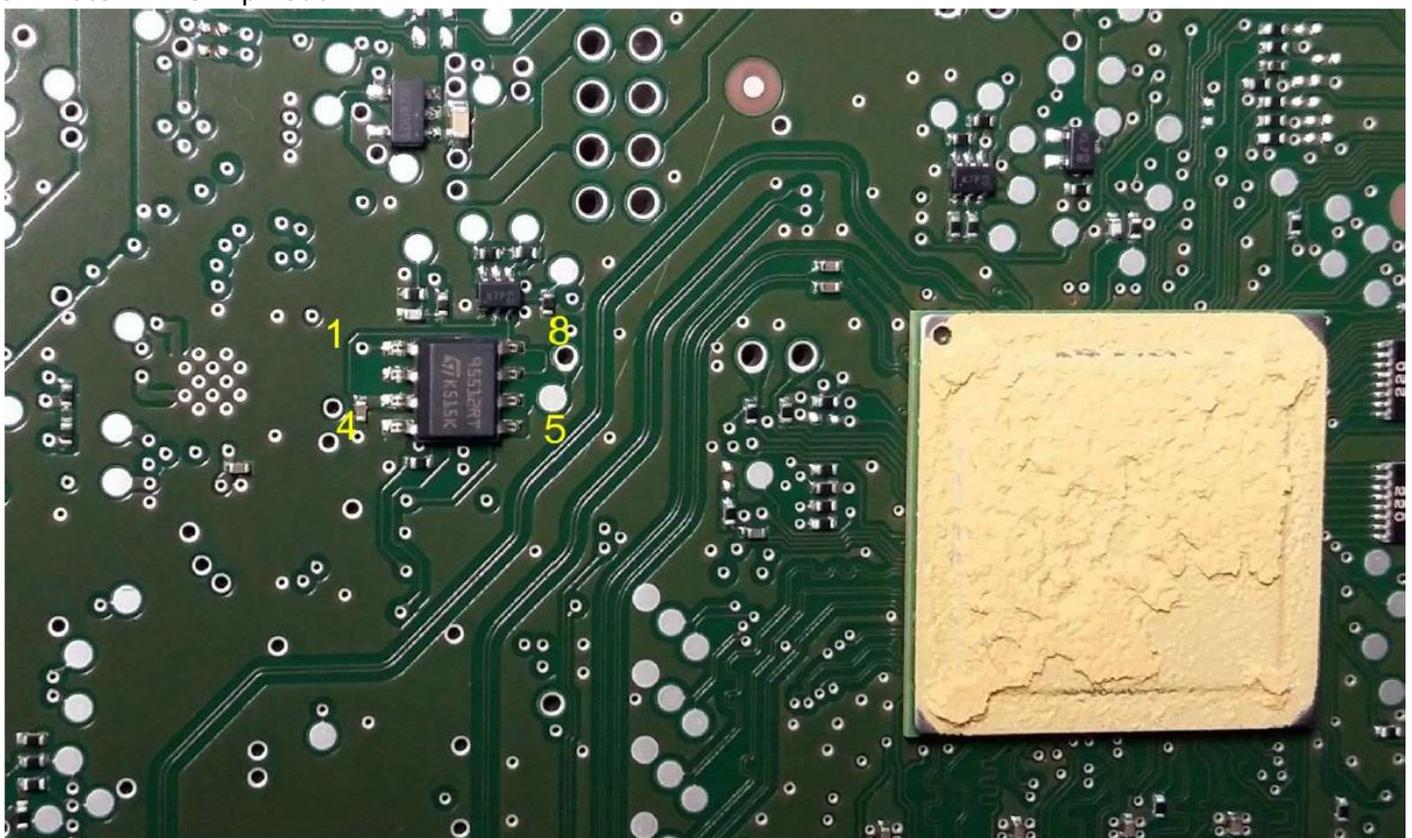
Patch protects the unit against second case. When it is installed it reads the value of the timer and restores it every time the unit is restarted. That's why it is so important to buy the radio that has been powered outside donor car for as little time as possible - if you buy the radio that has only 30 minutes of operations left (i.e. that was already running for 7.5 hours) then even with patch it will lock itself every 30 minutes and you have to restart it by holding power button pushed for couple of seconds.

Against first case of Component Protection scenario you can protect by installing CAN filter that blocks exchange of Component Protection frames between radio and dashboard. Please keep in mind that you don't need a filter if your instruments cluster doesn't manage Component Protection. How to find if it does? First patch the radio, then install it in the car – if it shows Component Protection warning message after several seconds since powering on then you have to use the CAN filter – just unplug the unit, plug-in the filter and re-connect the unit (so the filter is connected between the radio and QuadLock connector).

If you have bought unit that is already locked with Component Protection you have to unlock it and activate all required features (unlocking Component Protection deactivates all the features so they have to be activated again). This is not a piece of cake and under regular circumstances require you to visit dealer with both radio and car that has such unit factory installed (although this does not have to be the original donor car). Pls keep in mind that unit cannot be unlocked if it is blacklisted in GeKo database!!!

Let's start patching procedure now!

1. Disassemble the unit and remove mainboard.
2. Locate EEPROM located on the lower side of the mainboard.
3. Note EEPROM pinout.

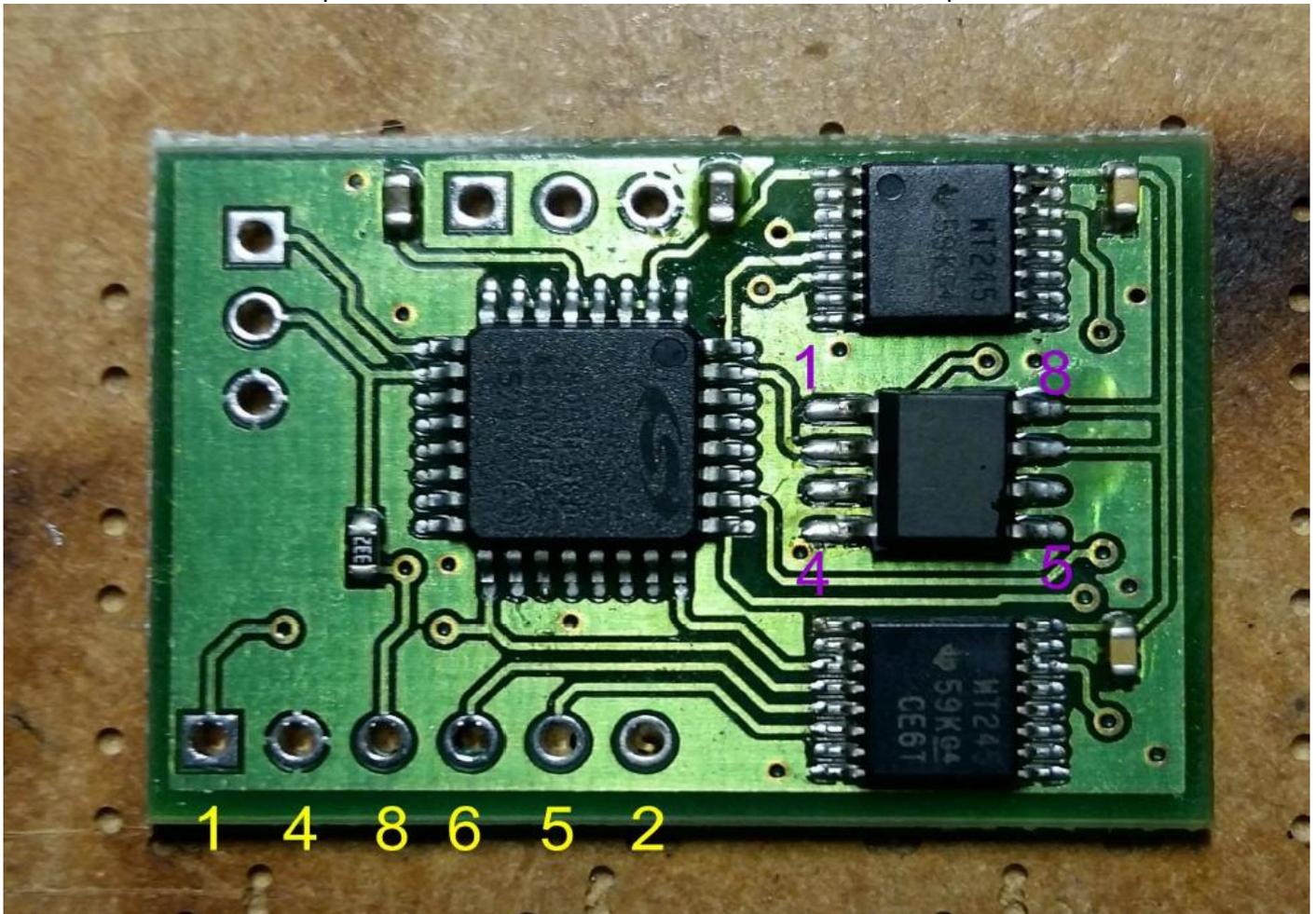


4. Using Hot Air soldering tool resolder EEPROM and take it out of mainboard.

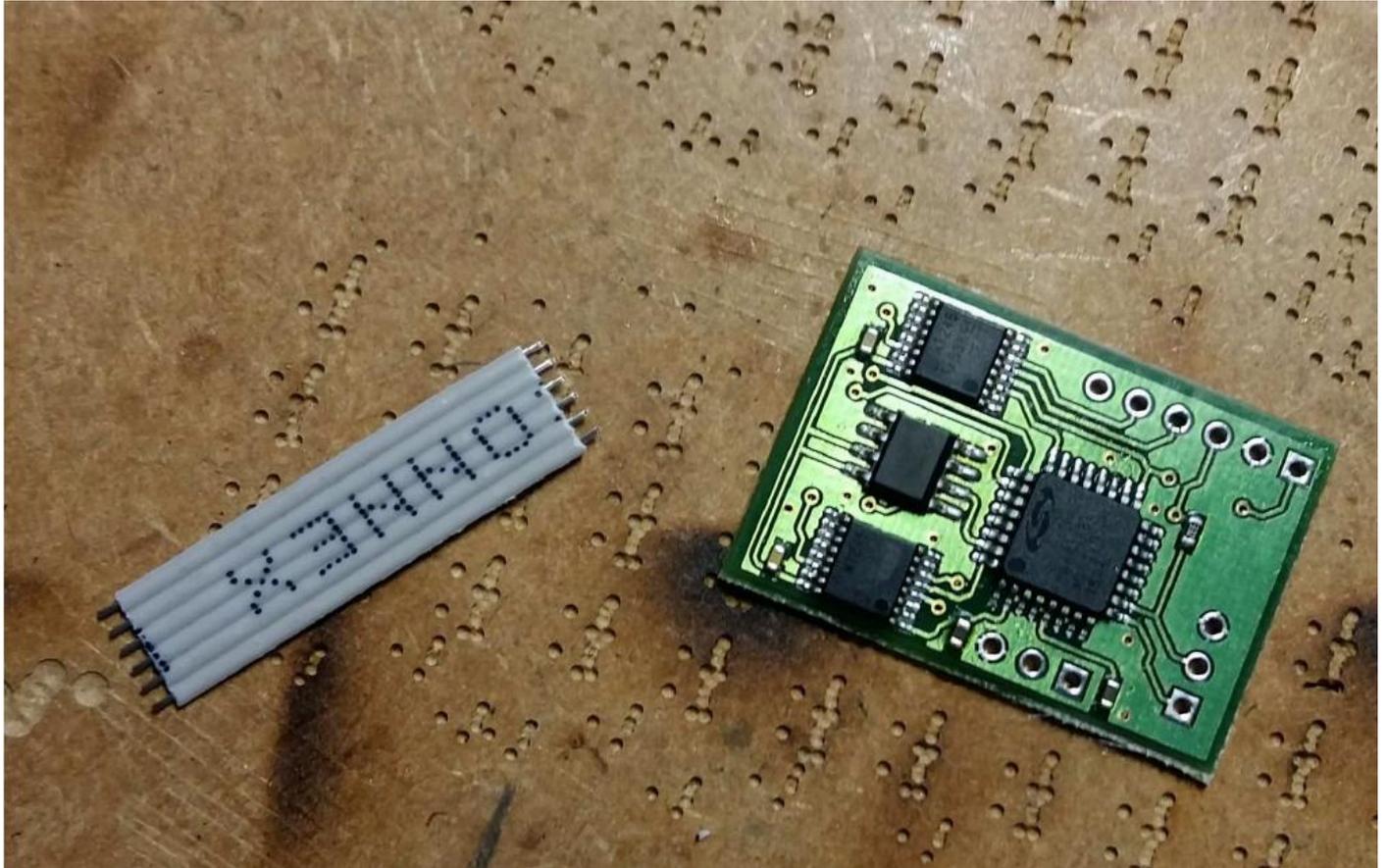
5. Read EEPROM content and save it somewhere for security reasons (in case you break anything).



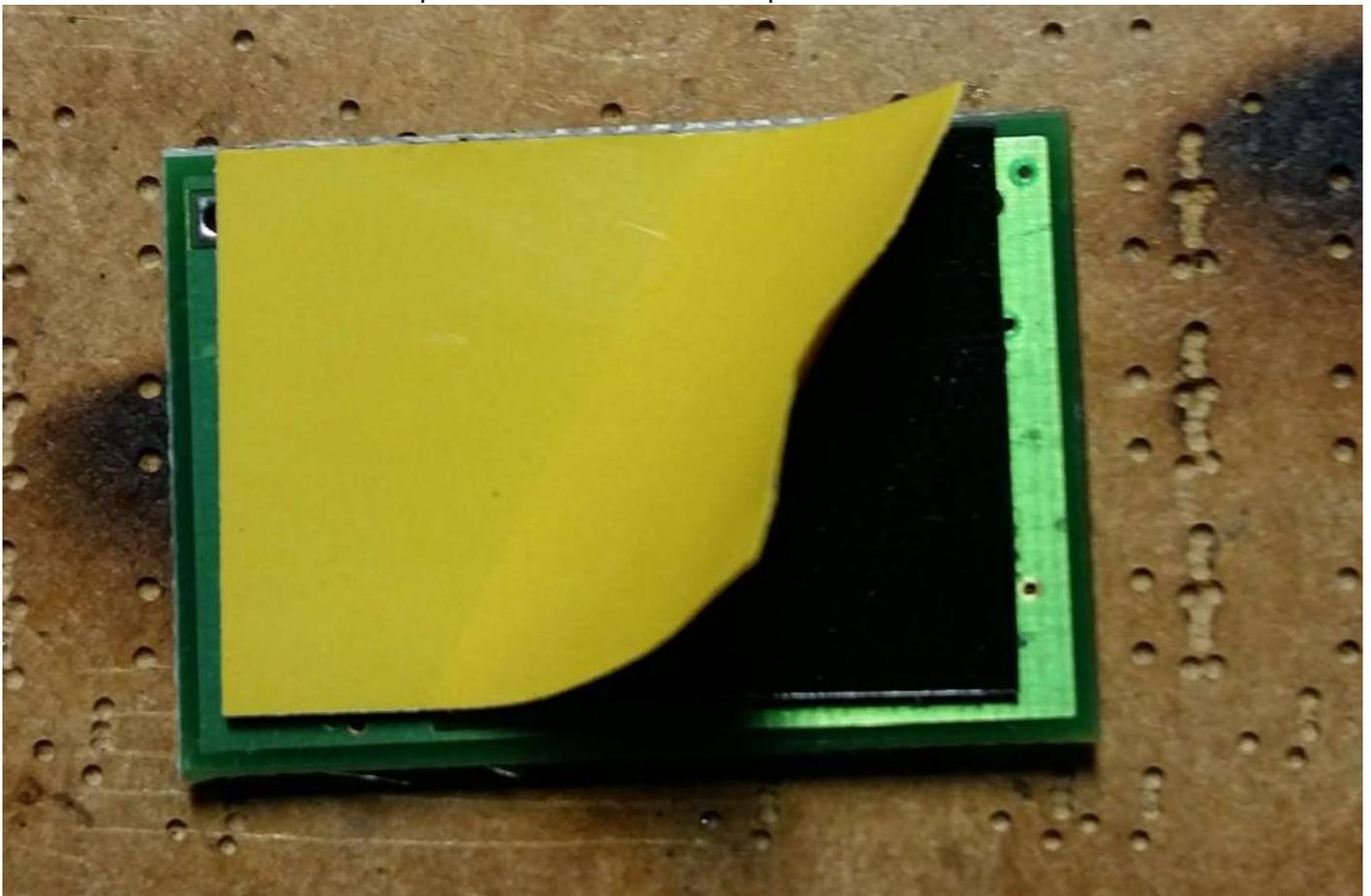
6. Solder EEPROM to the patch board. Yellow numbers refer to the EEPROM pinout on the mainboard.



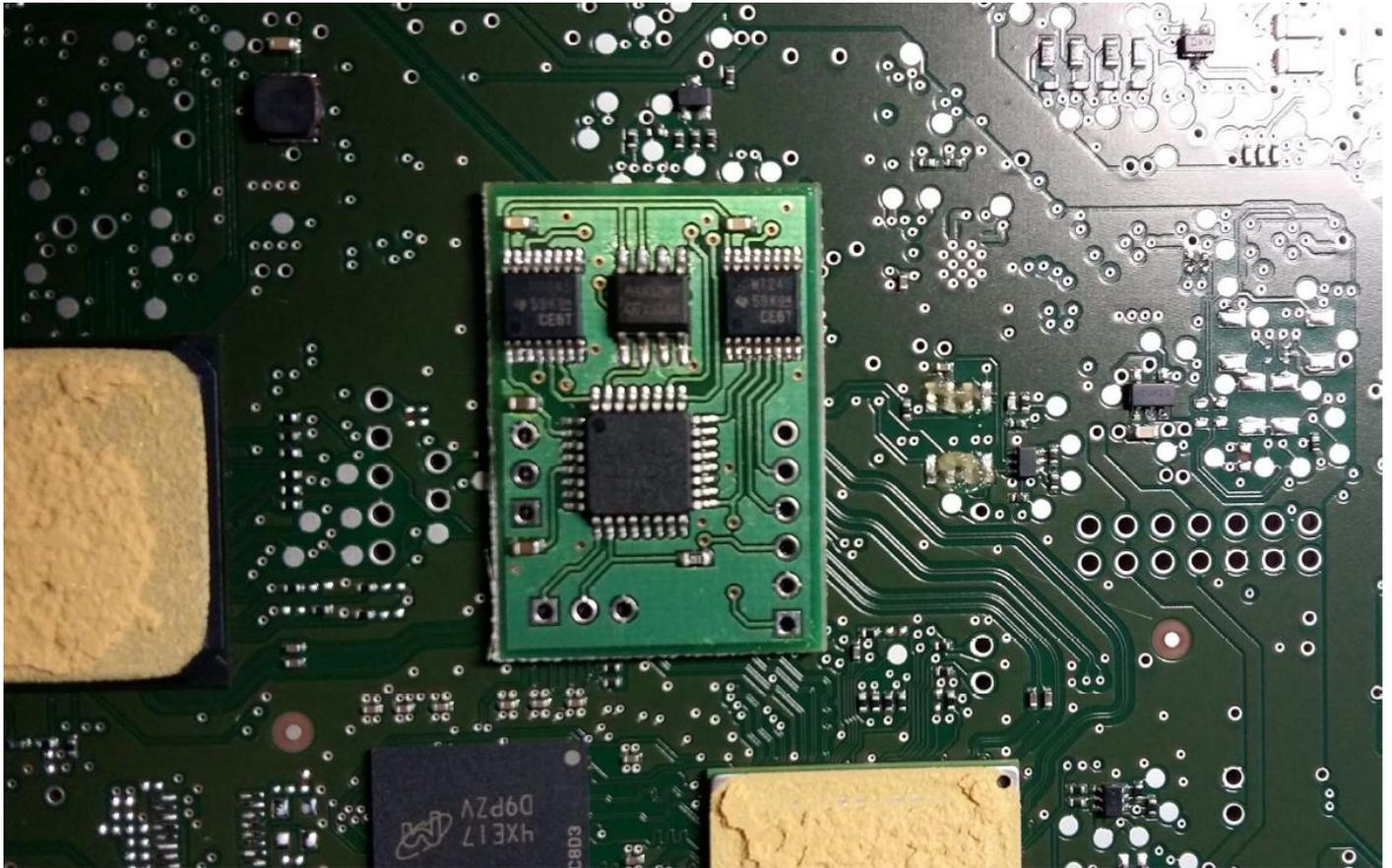
7. Prepare 6 thin cables, 3 cm (1.2 inch) long each.



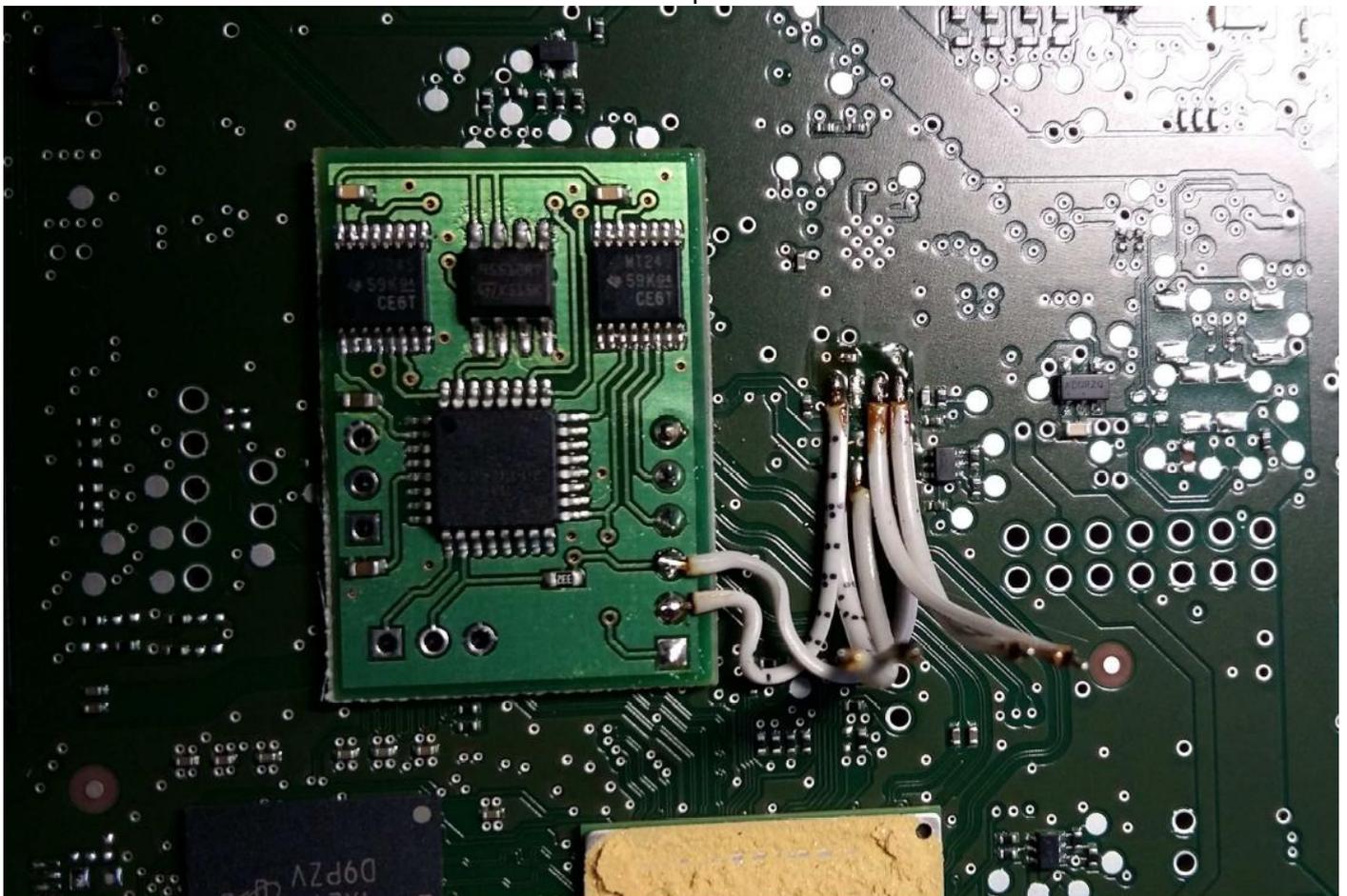
8. Mount dual sided adhesive tape on the lower side of the patch board.



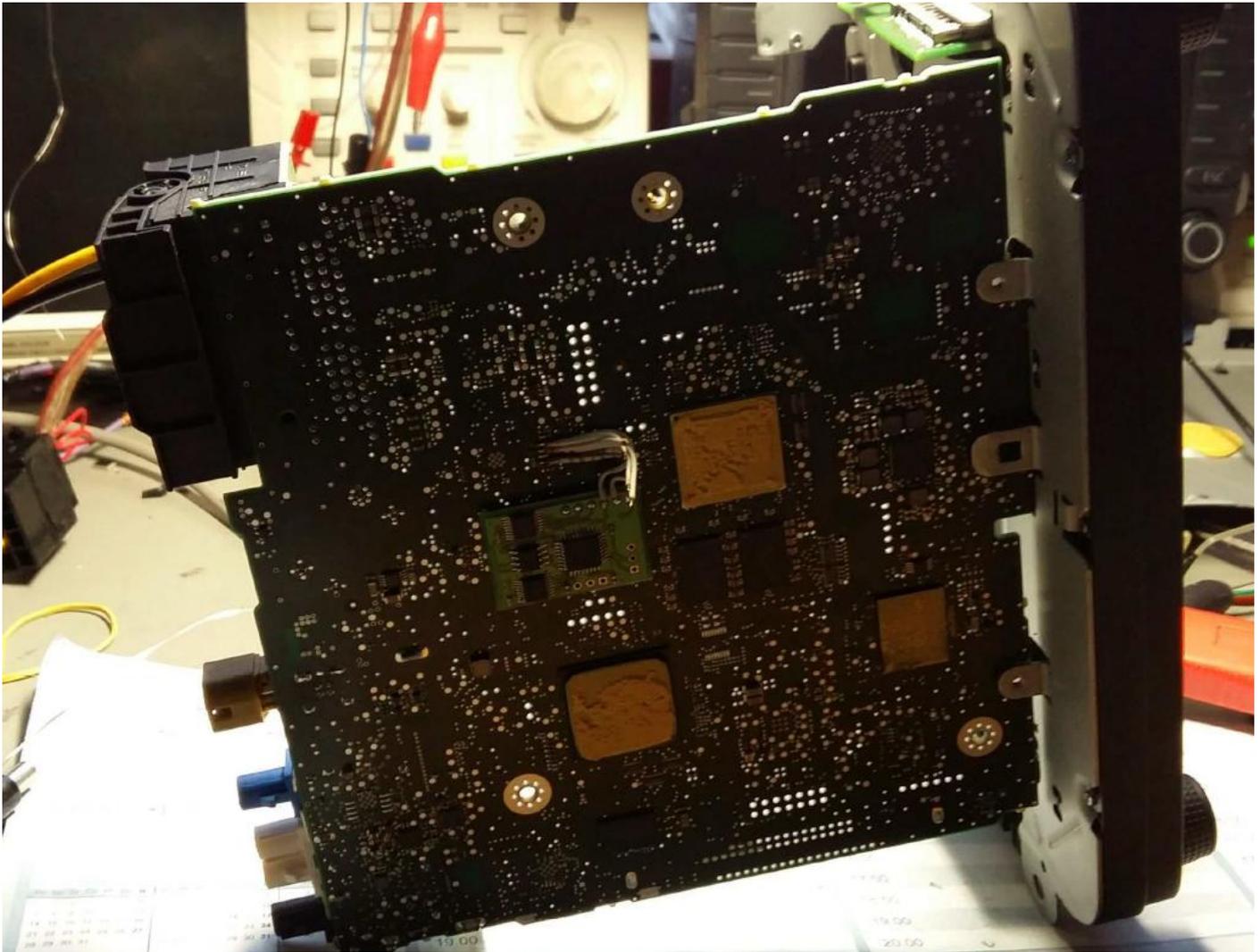
9. Stick the patch board to the mainboard



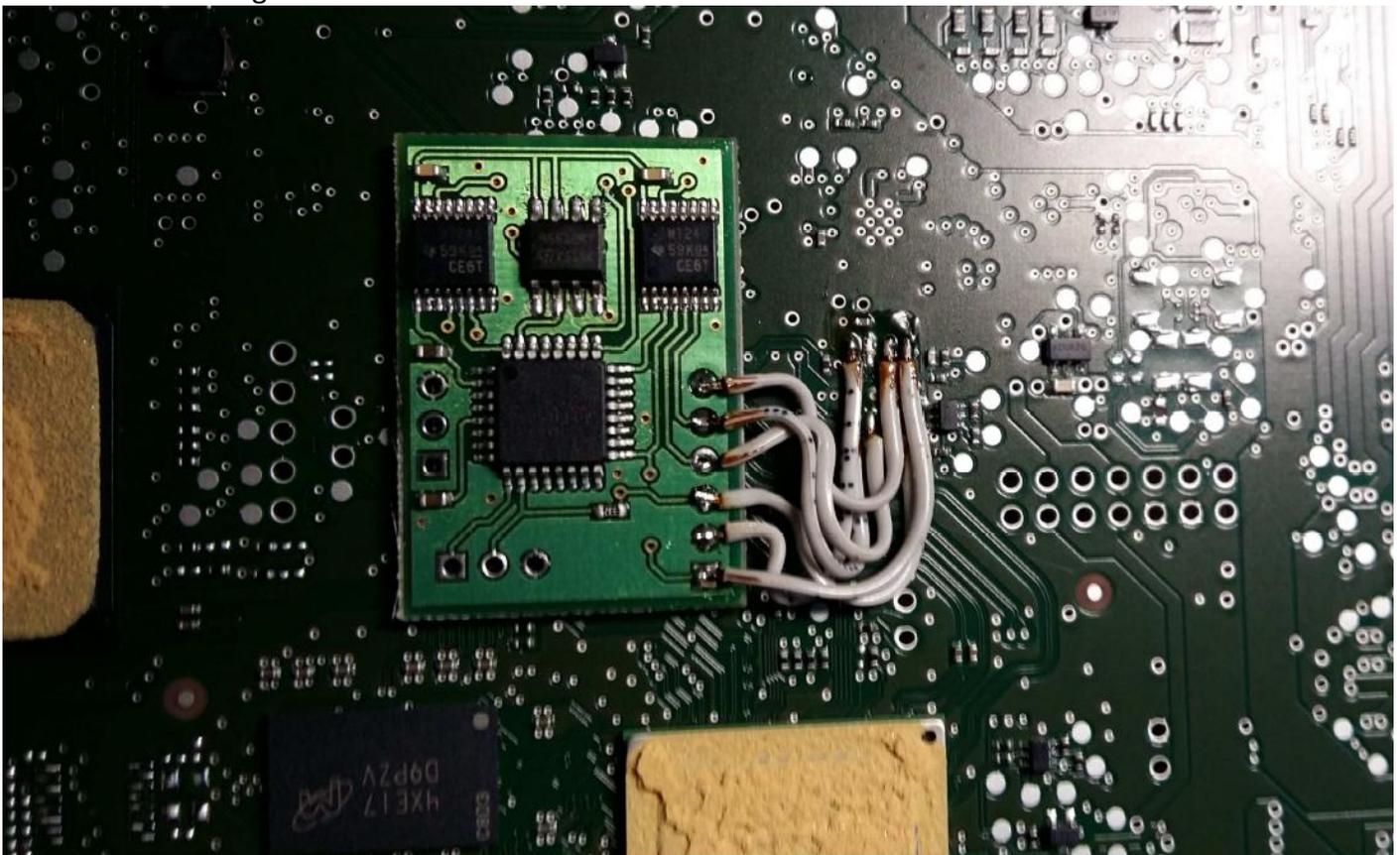
10. Solder two cables to make the connection between points 4-4 and 8-8



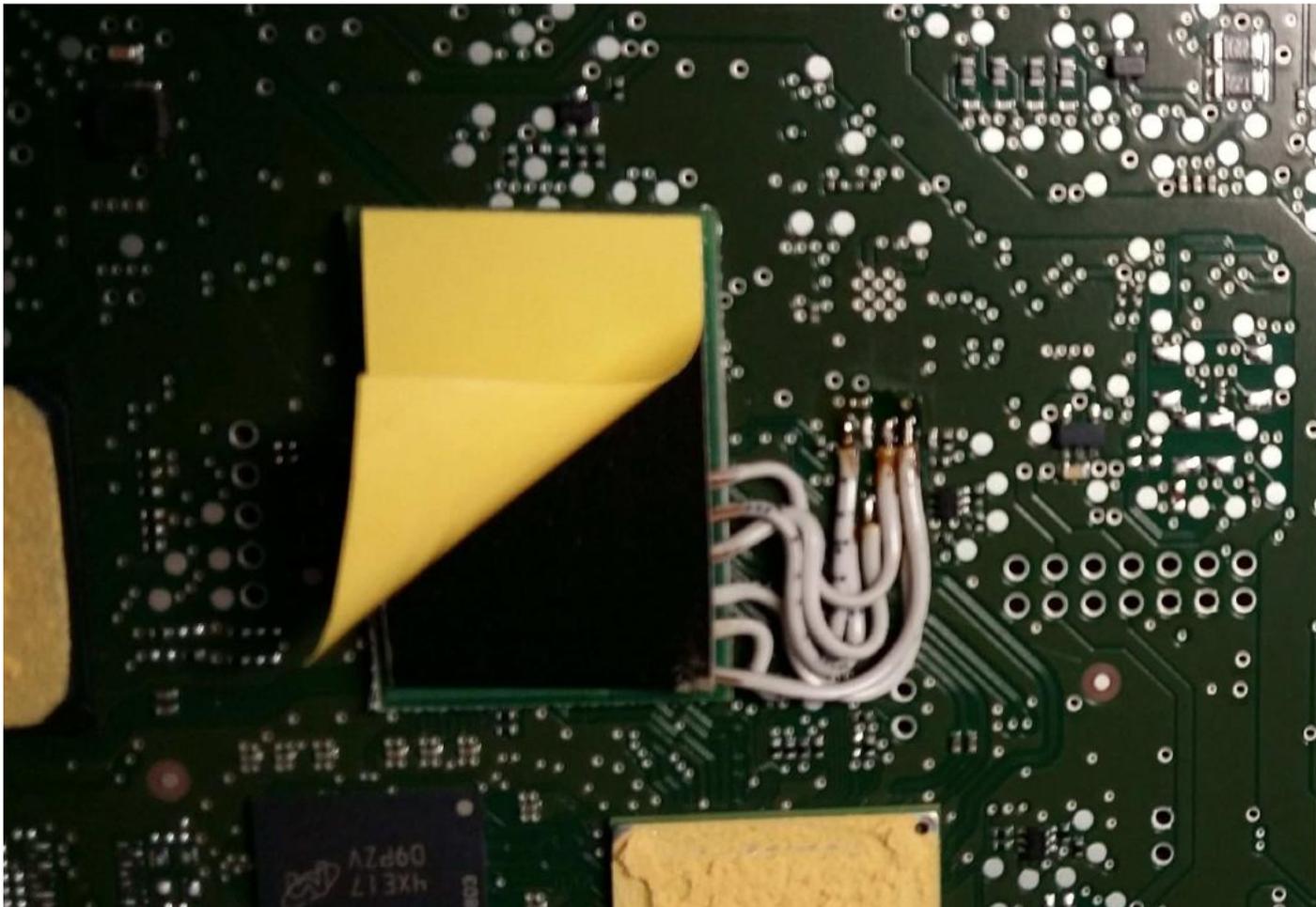
11. Connect front panel and QuadLock. Deliver power to the unit JUST FOR 3 SECONDS.



12. Solder remaining 4 cables.



13. Cover the upper side of patch board with double sided adhesive tape.



14. Mount the mainboard in the chassis.

15. Connect front panel.

16. Plug-in QuadLock connector.

17. Turn on the unit.

18. Check if all the functions work correctly.