Philips DROM6316

Replacement drive for XBOX360

Please keep checking Xbox360 scene websites for updates.

xboxhacker.net xbox-scene.com maxconsole.net

Now read this tutorial, twice.
If you don't understand any terms, ask questions in forums until you do!!

You might as well make sure you have the right equipment for this mod.

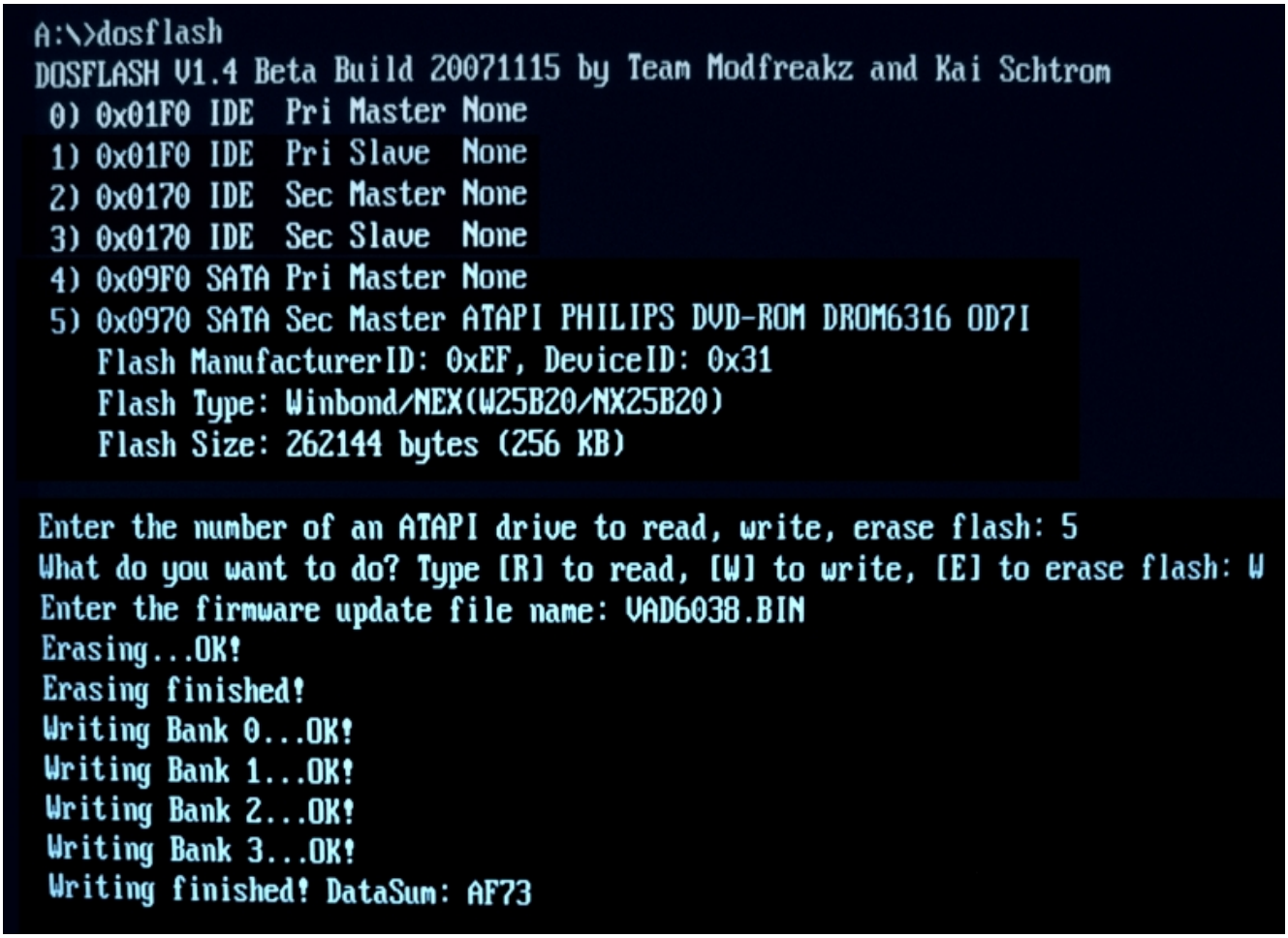
you will need:
- soldering iron + tin
- desoldering wick or soldapullt
- thin wire (~0,8mm)
- 2x 100 Ohm resistors
- scalpel or knife
- pliers
- Schtrom's DosFlash v1.4 or higher!! (Download) read ReadMe.txt first!!

Good luck!!

Step1: Flash the DROM6316 drive with VAD6038 firmware

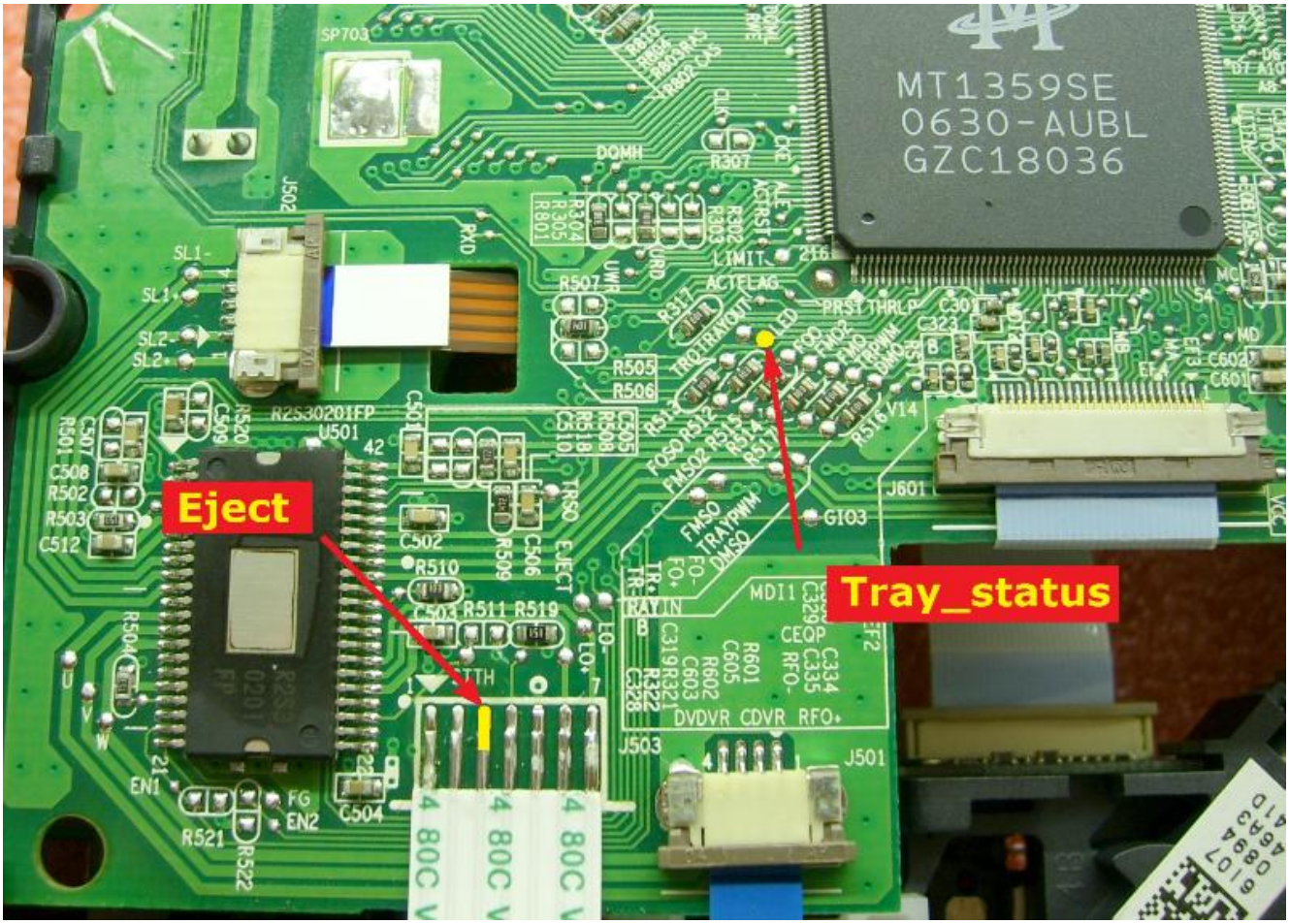
Connect Philips DROM6316 drive to your PC, and flash it with XBOX360 BenQ VAD6038 firmware using DosFlash16 or DosFlash32. Don't forget about your dvd-key. After completion, turn off you computer and take the drive out.

It should look like this after writing the firmware!

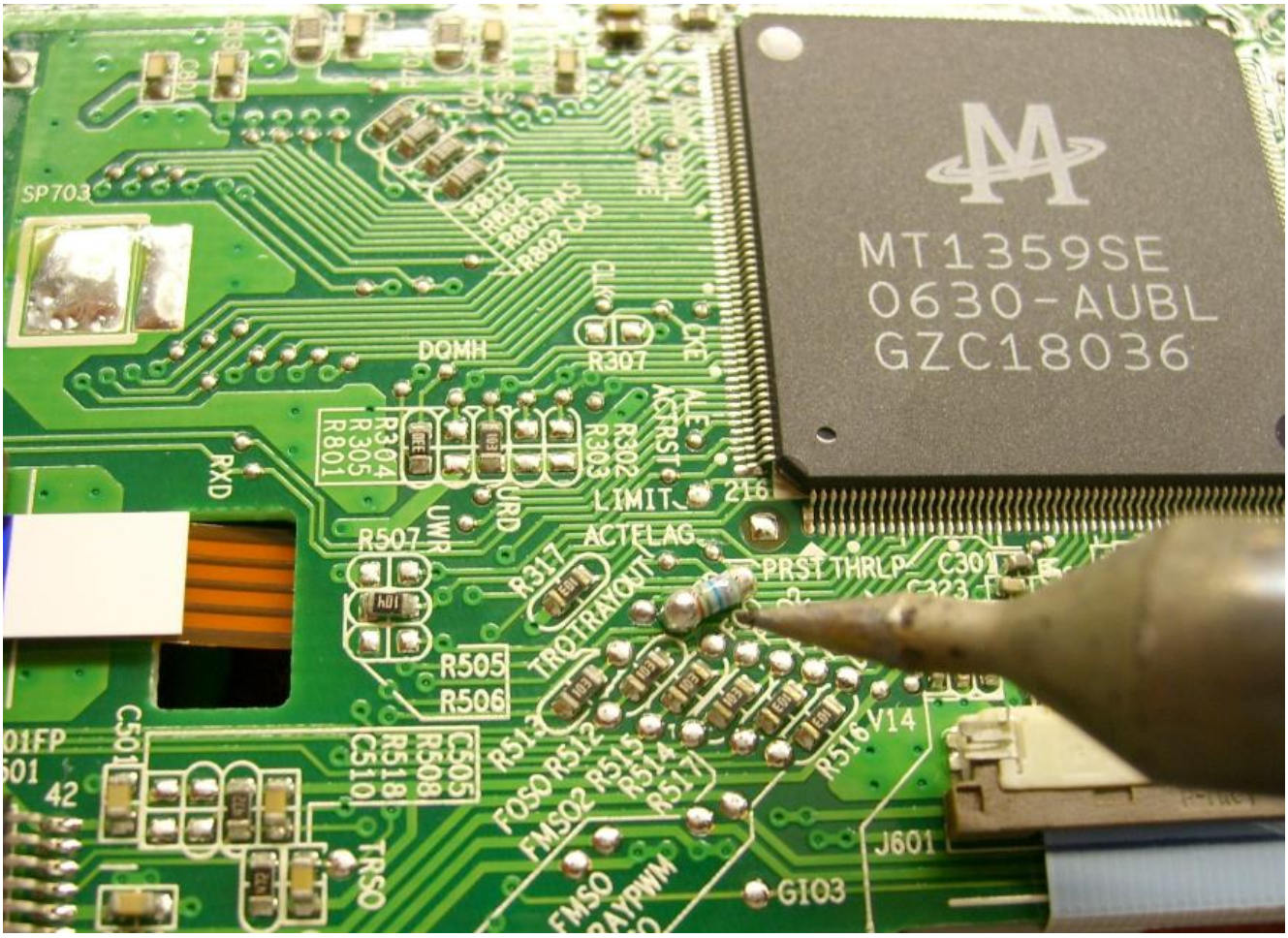


Step2: Modify DROM6316 board

Disassemble the DROM6316 drive.
Take a closer look on the points you need to solder.



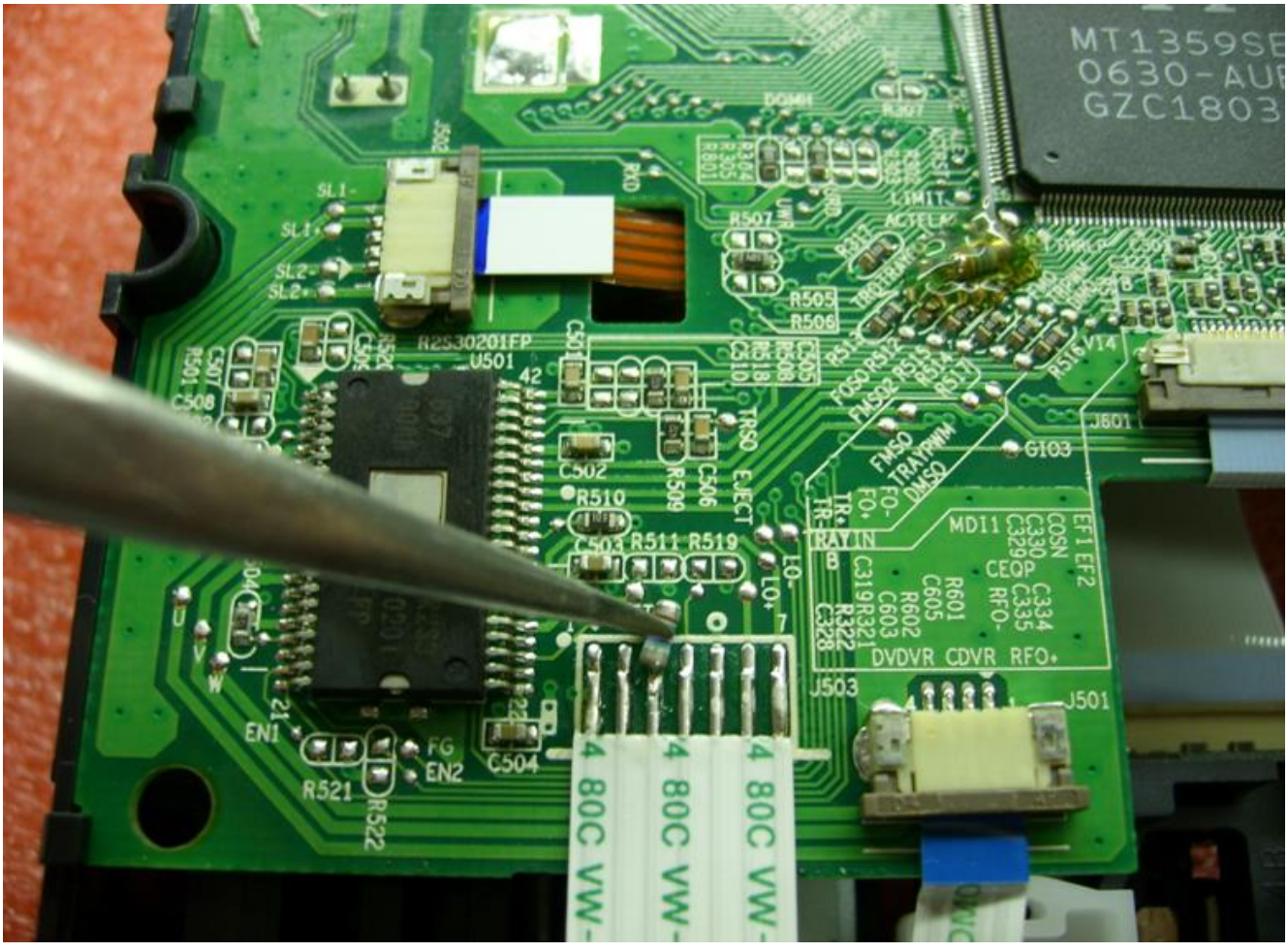
Solder 100 Ohm resistor to (Tray_status) location pad.



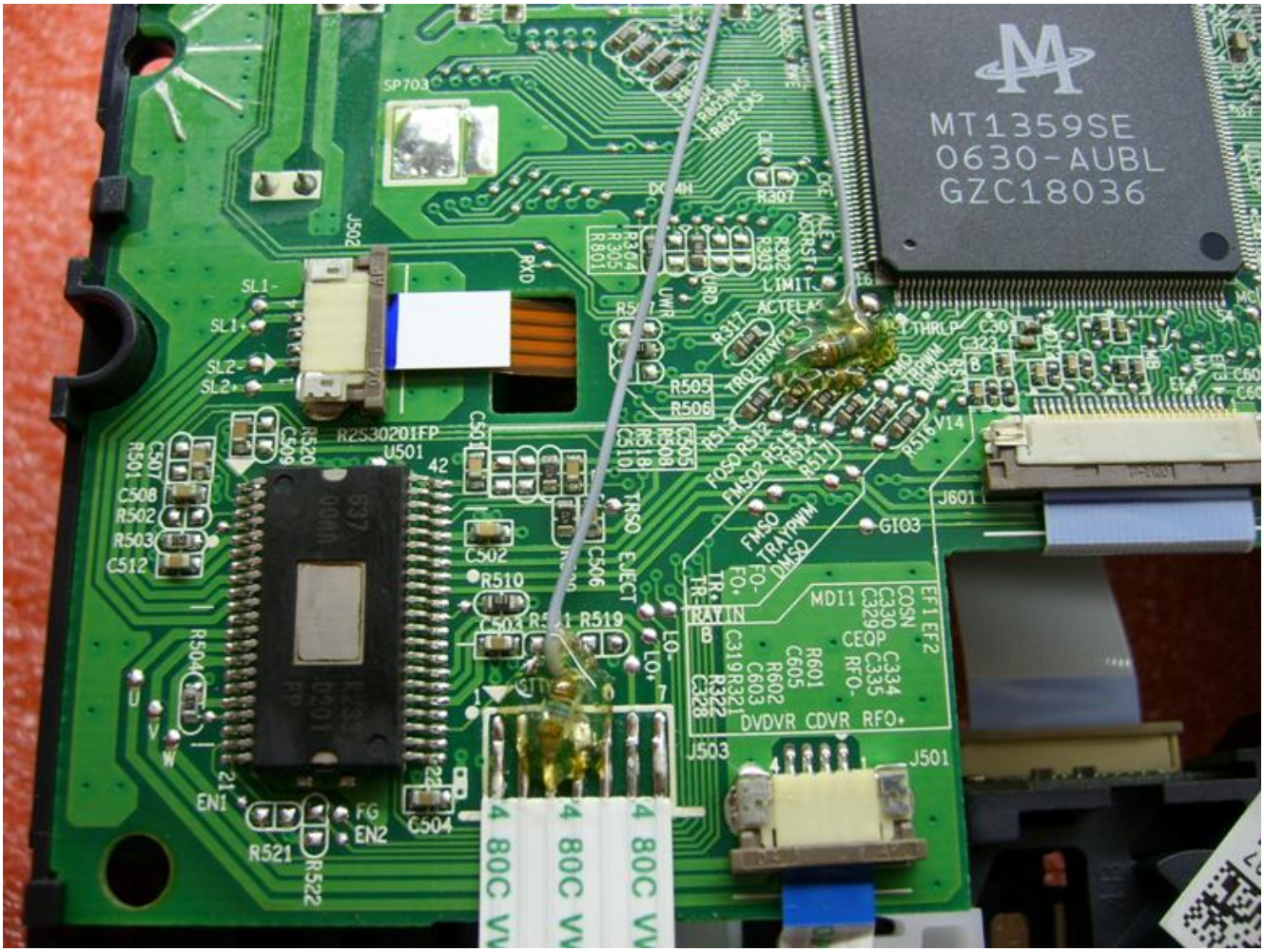
Then solder a wire to the other end of resistor.

Fix it with hot glue or something like that. *advice*

Now solder another 100 Ohm resistor to (Eject) location pad,



fix the wire and resistor with hot glue too.

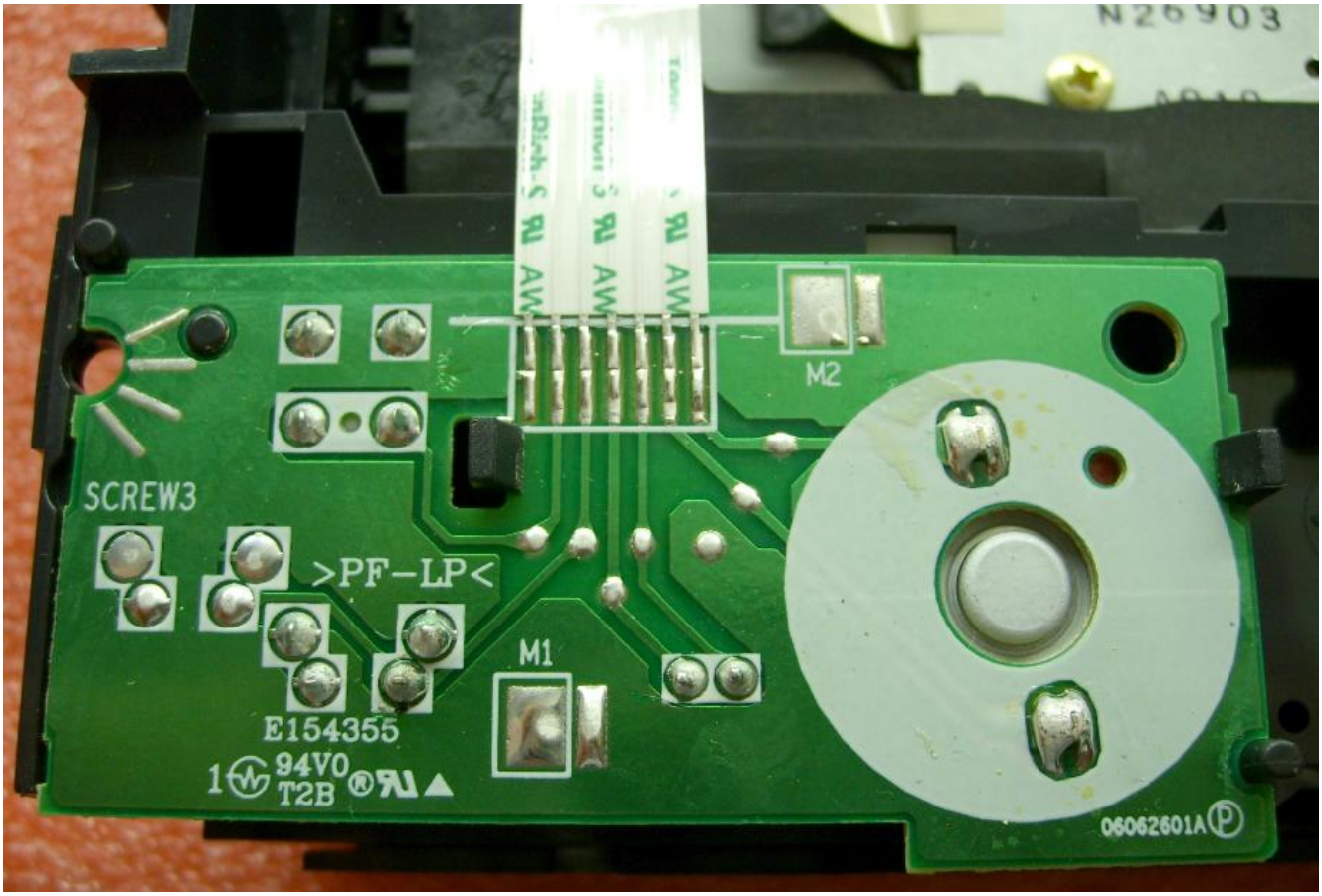


Optional

The LED on the front of the drive will flash all the time, if you don't like it then remove the LED or R519.

Step3: Tray-Motor modification

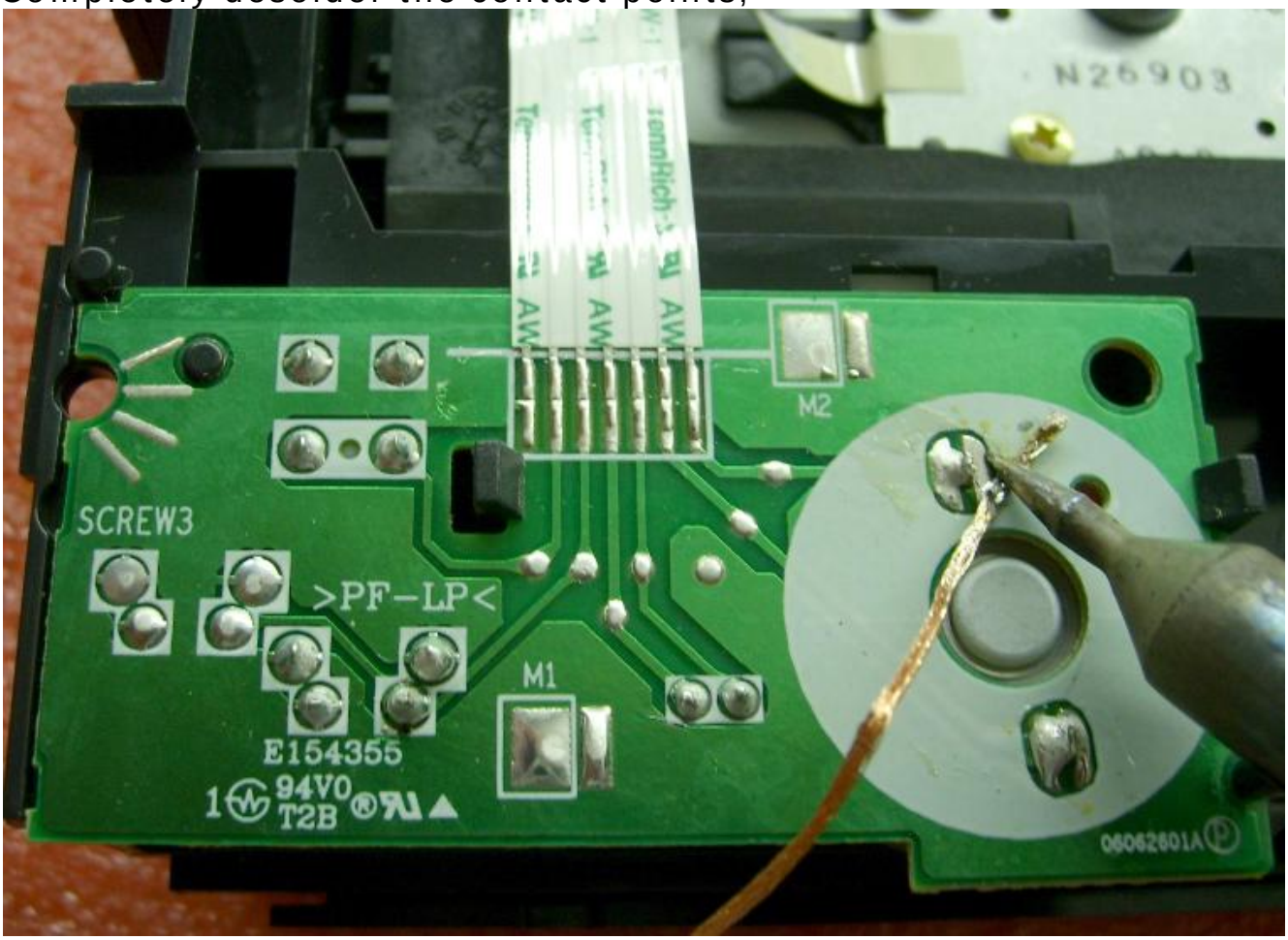
Locate the tray-motor on the front panel PCB, you will see two large solder points where the tray motor is soldered to the PCB. You need to swap the positive and negative connections over on the tray motor.



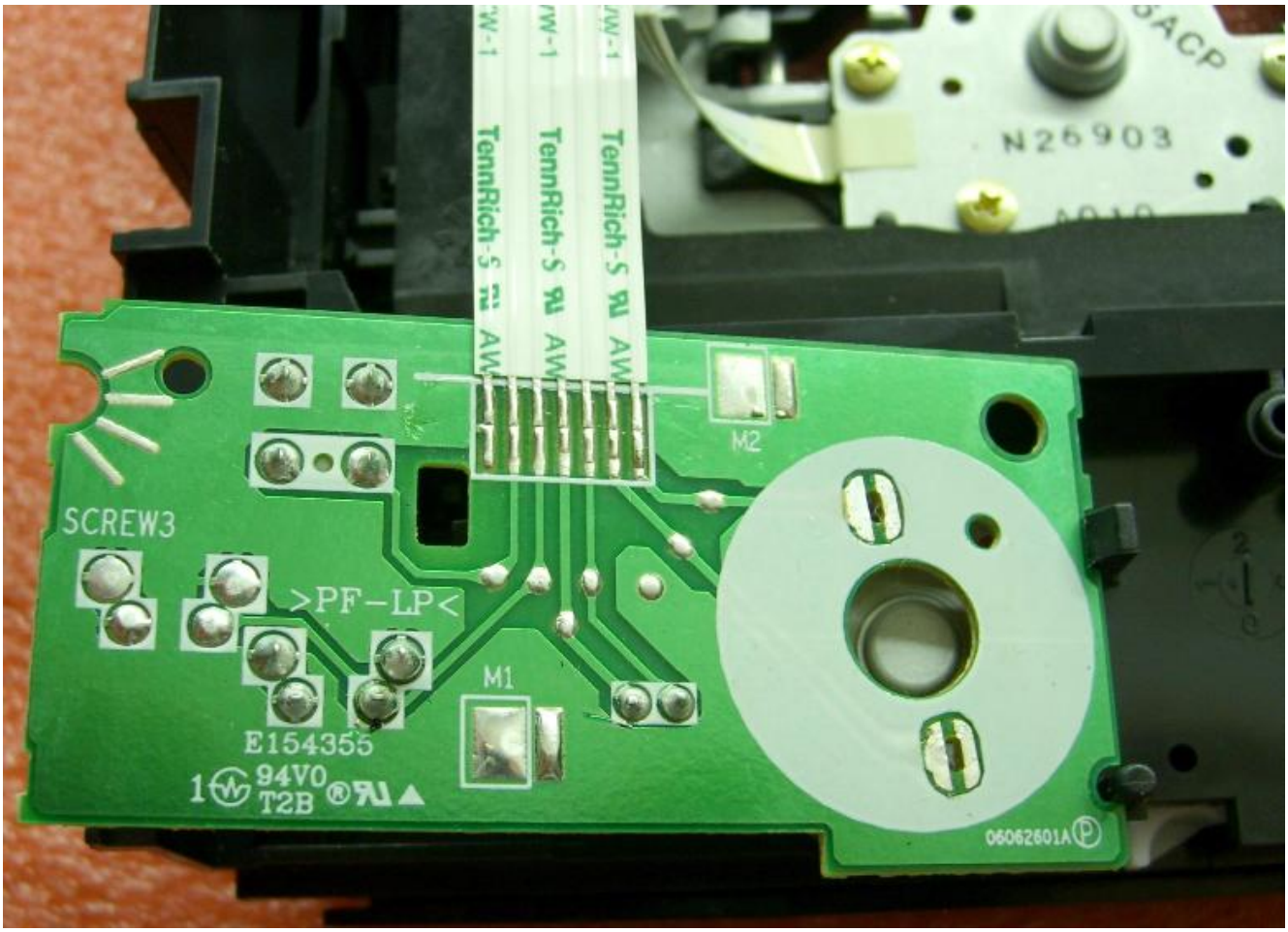
You could cut those two traces and solder a piece of wire to one of the solder points on the PCB and the other end of the wire to the opposite solder point on the tray motor. The two wires should cross over each other. Another option is desolder the motor contact points, lift the PCB and rotate the motor 180 degrees.

Choose you favorite method.

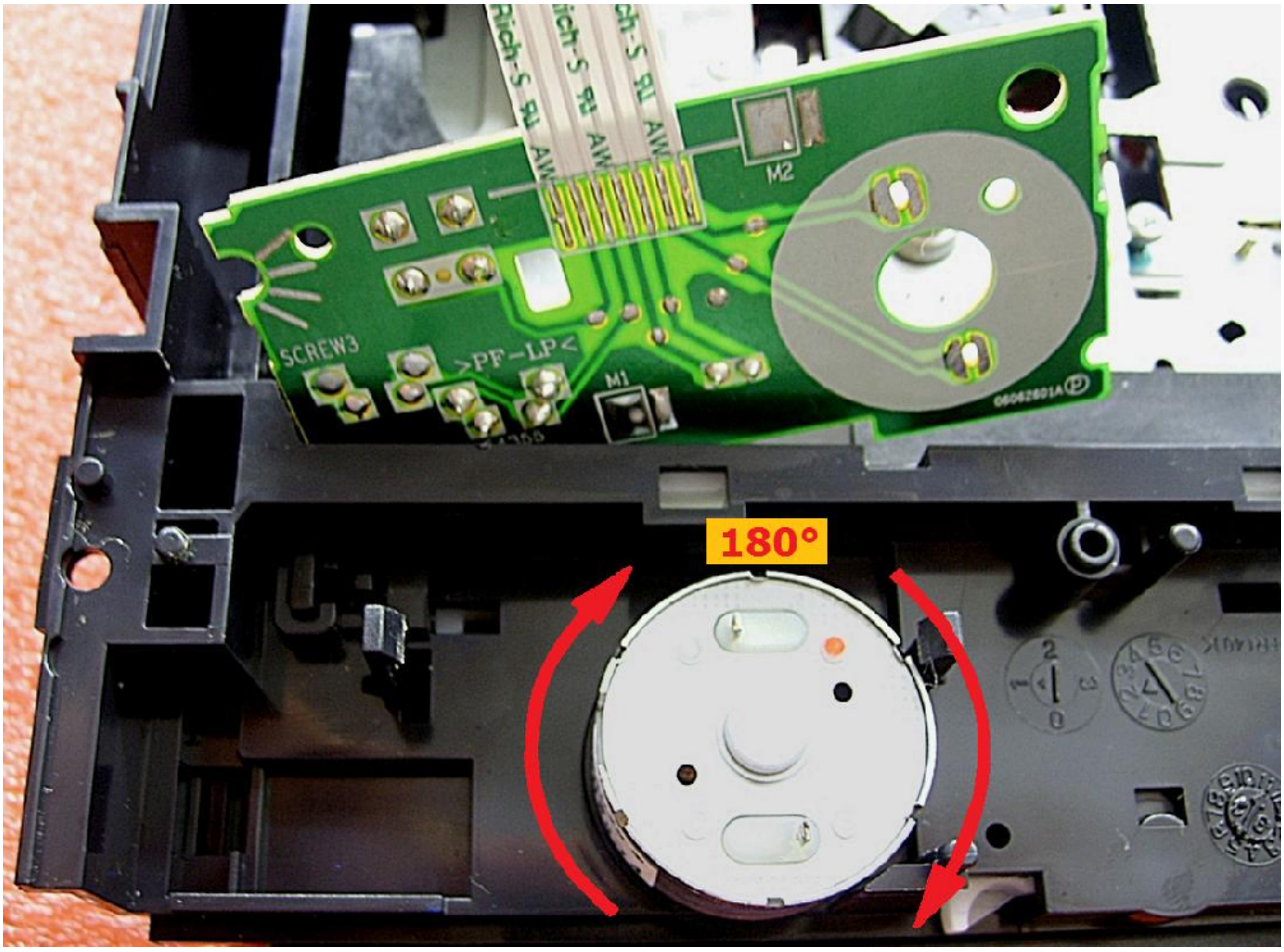
Completely desolder the contact points,



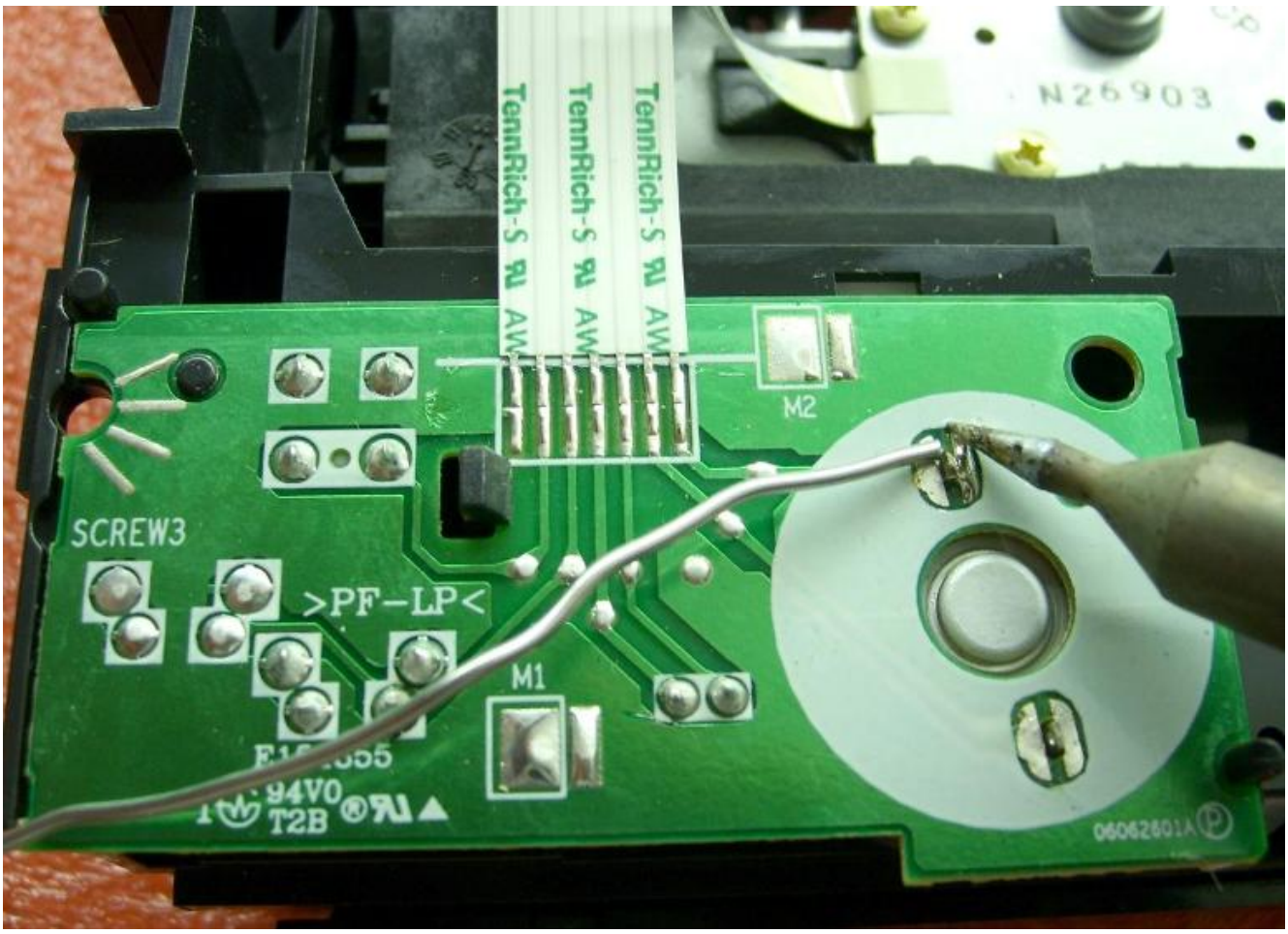
carefully lift the PCB.



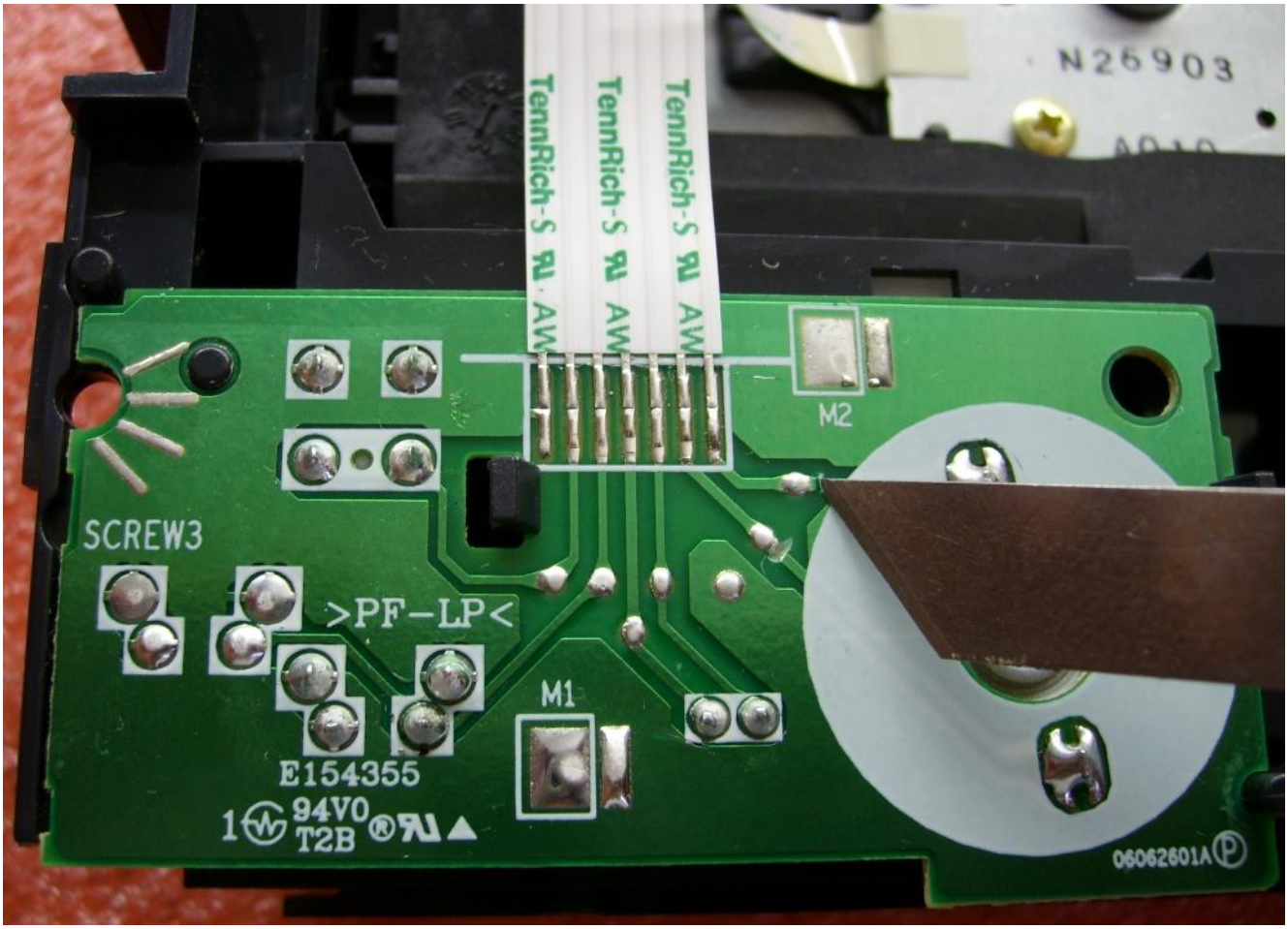
Rotate motor 180 degrees,



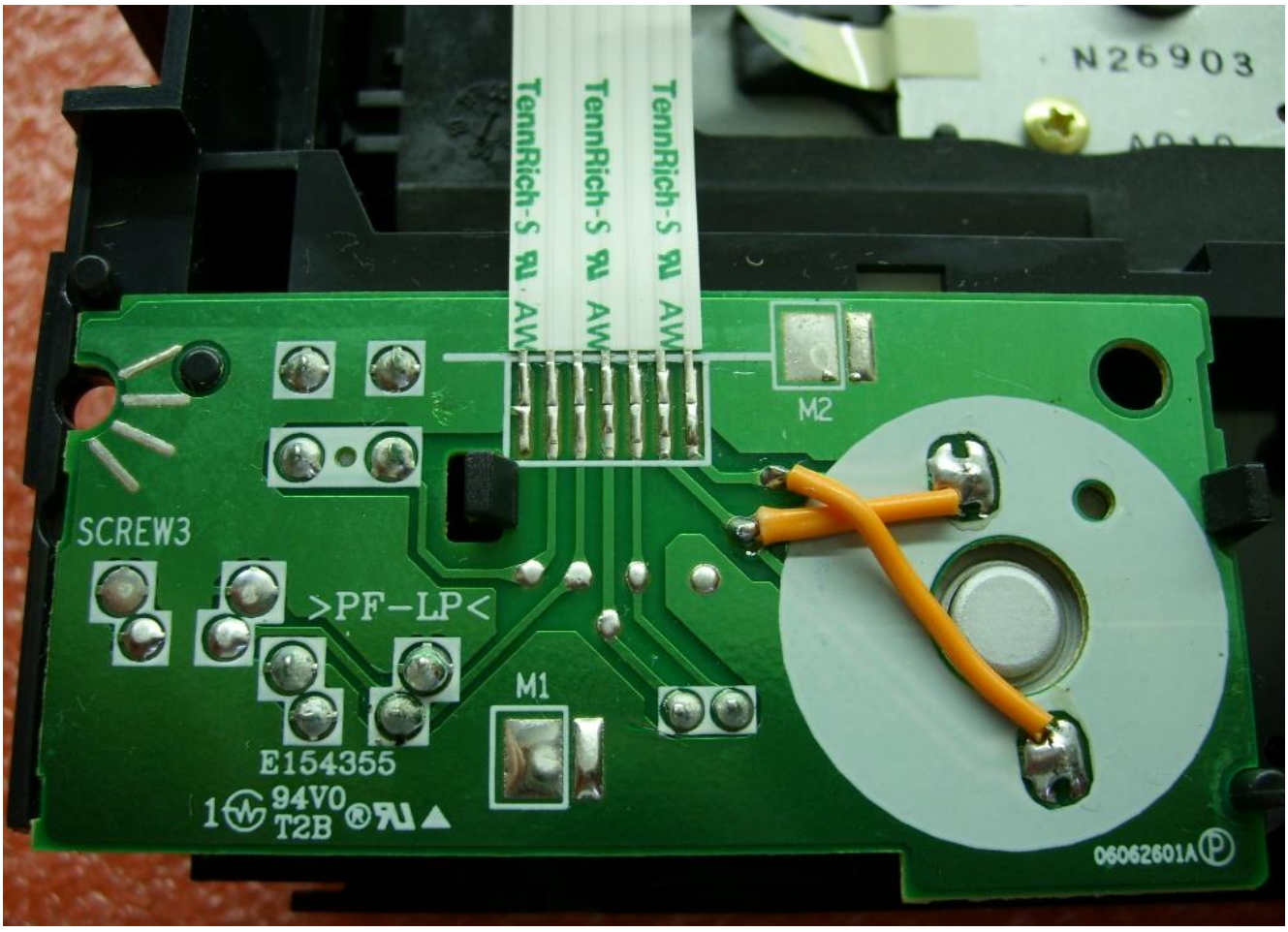
put the PCB back and resolder the points.



Another quick method is, to cut the traces and



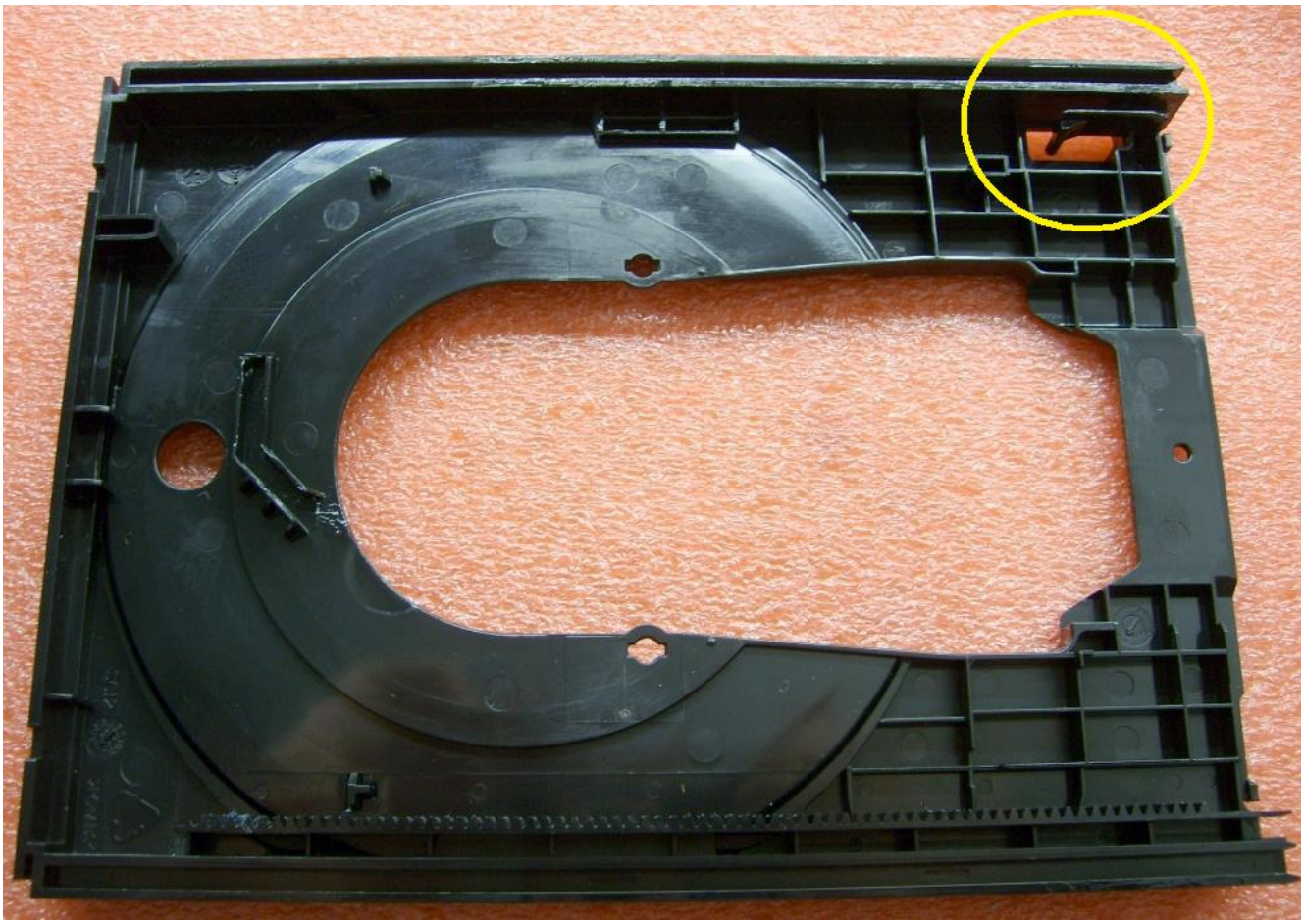
solder them in the opposite direction.

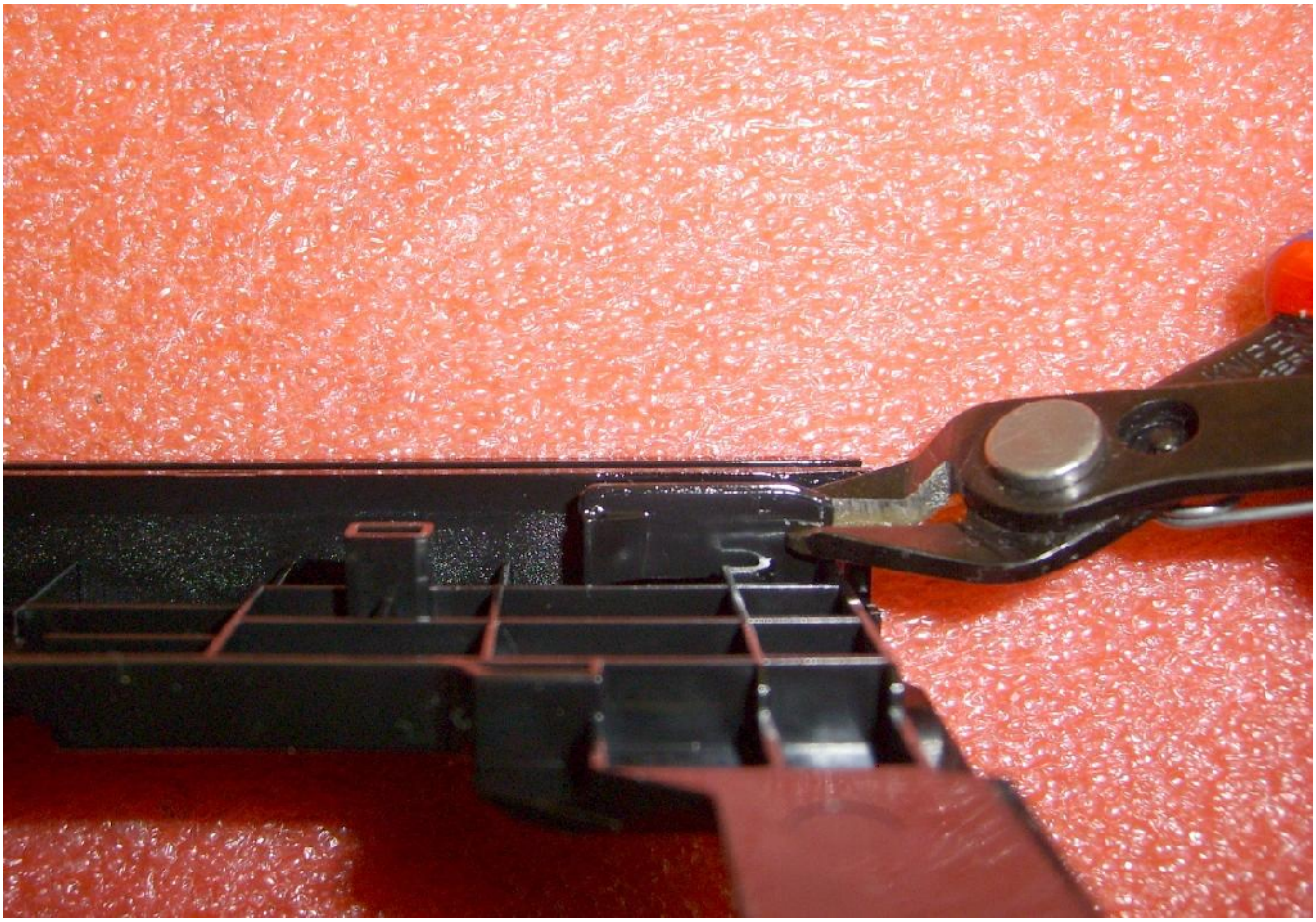


Step4: Tray modification

Now pull the tray out all the way.

Find the location shown in the picture and cut a piece of the plastic. (approx. 3mm)

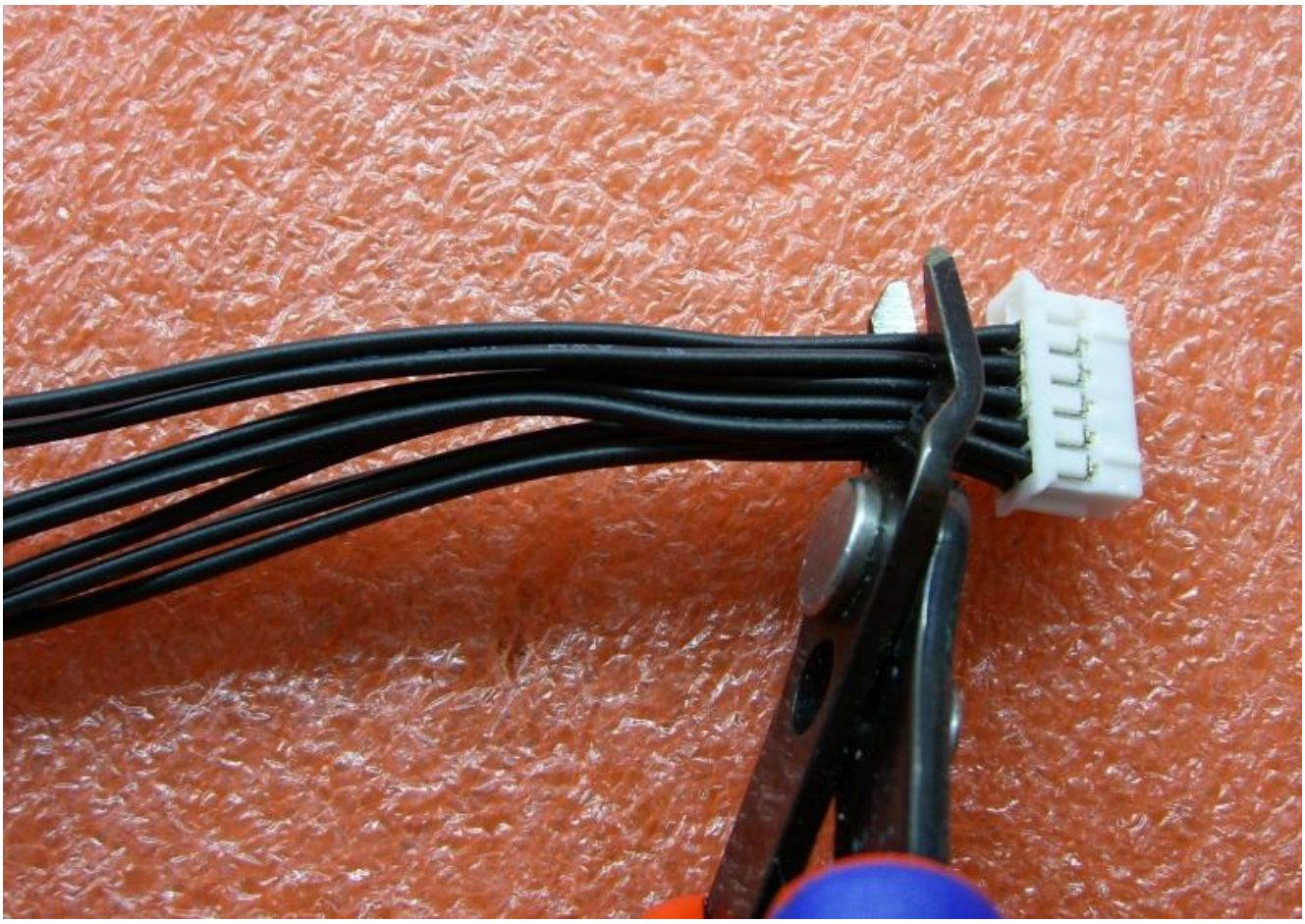




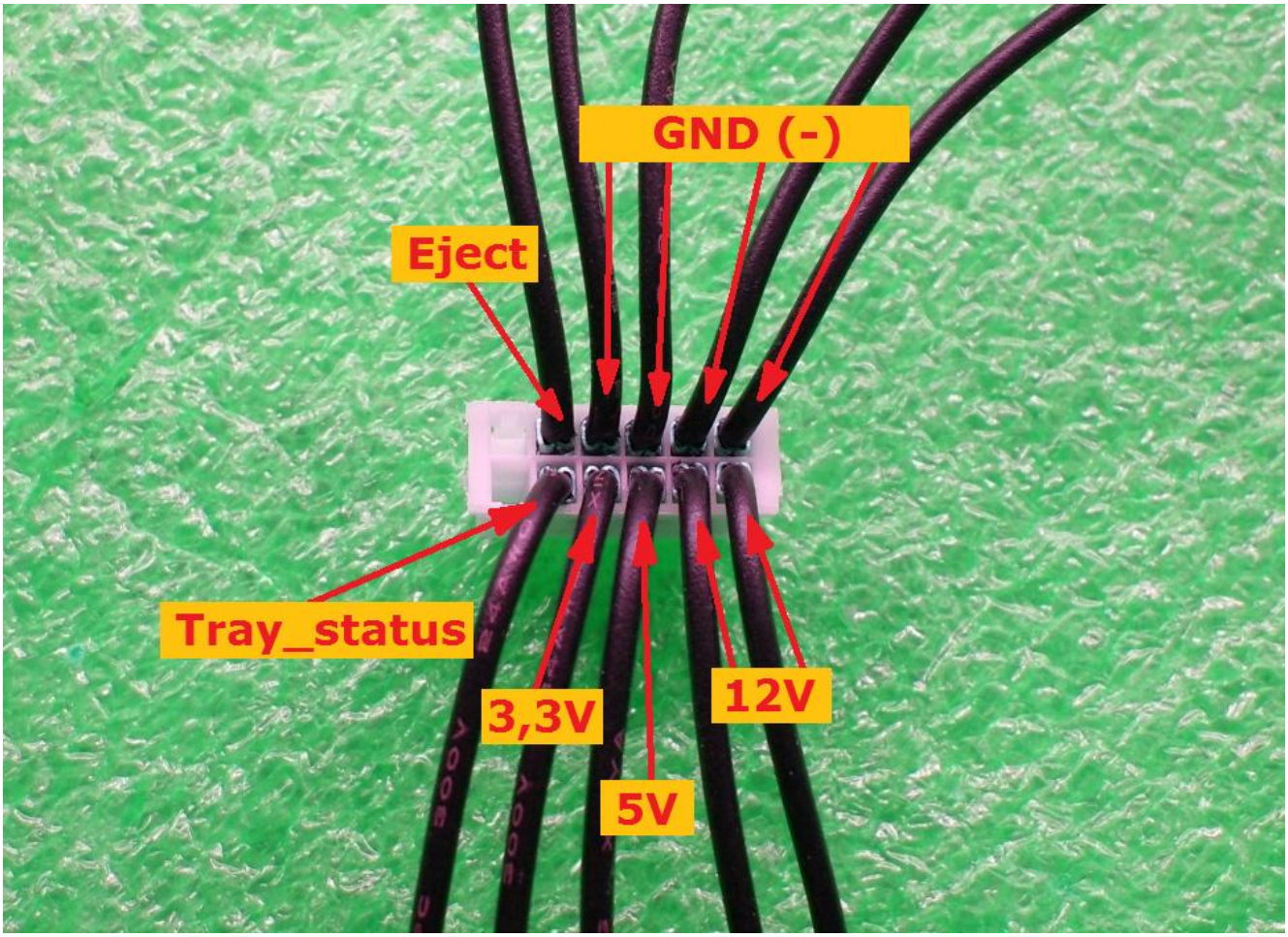
Step5: Connection to the Xbox360 mainboard

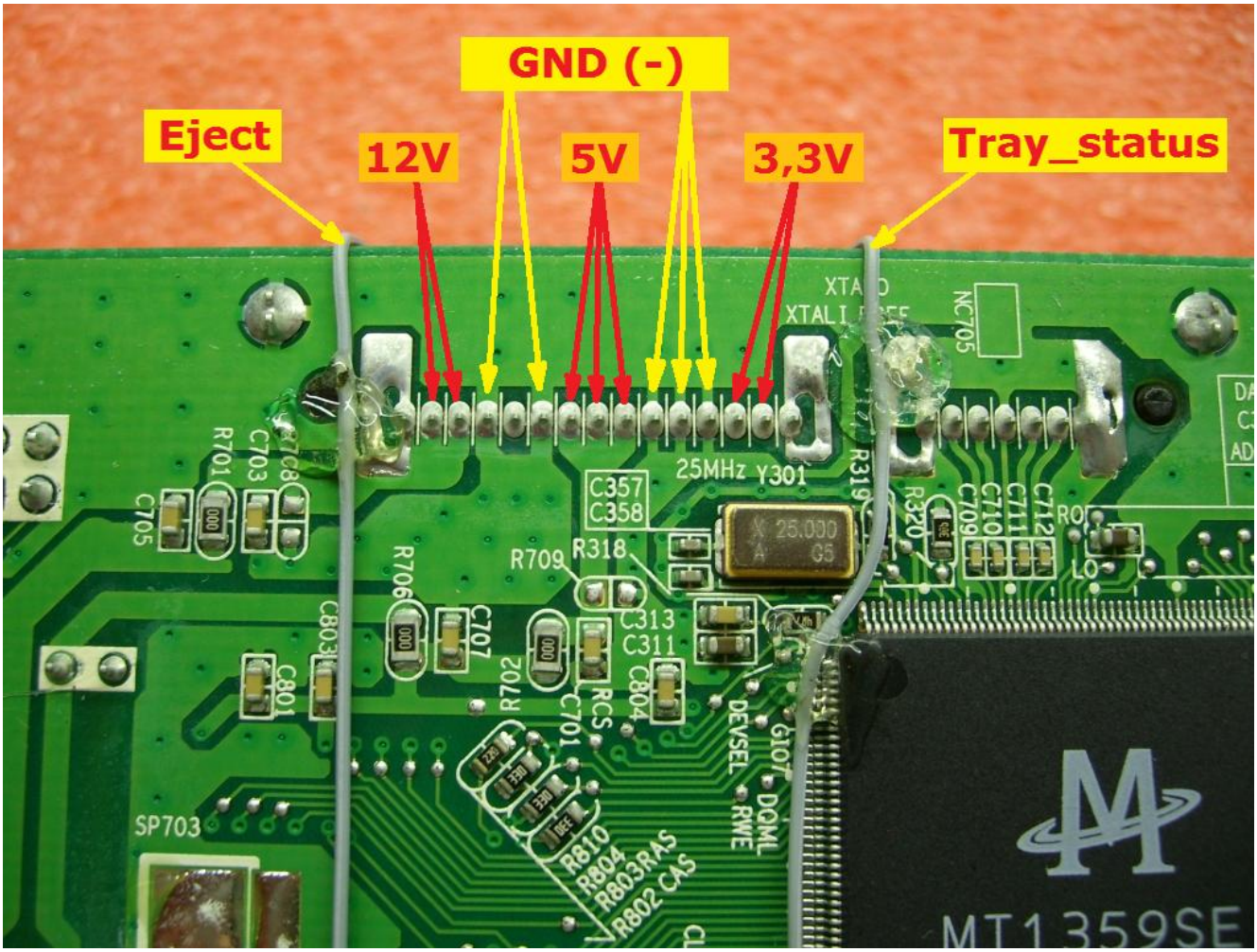
Make sure you have a longer version of XBOX360 power cable, otherwise you need to extend it a little bit.

Now cut one end of the cable and look at the longer end.
(both ends are the same)



Connect wires to the corresponding solder points.

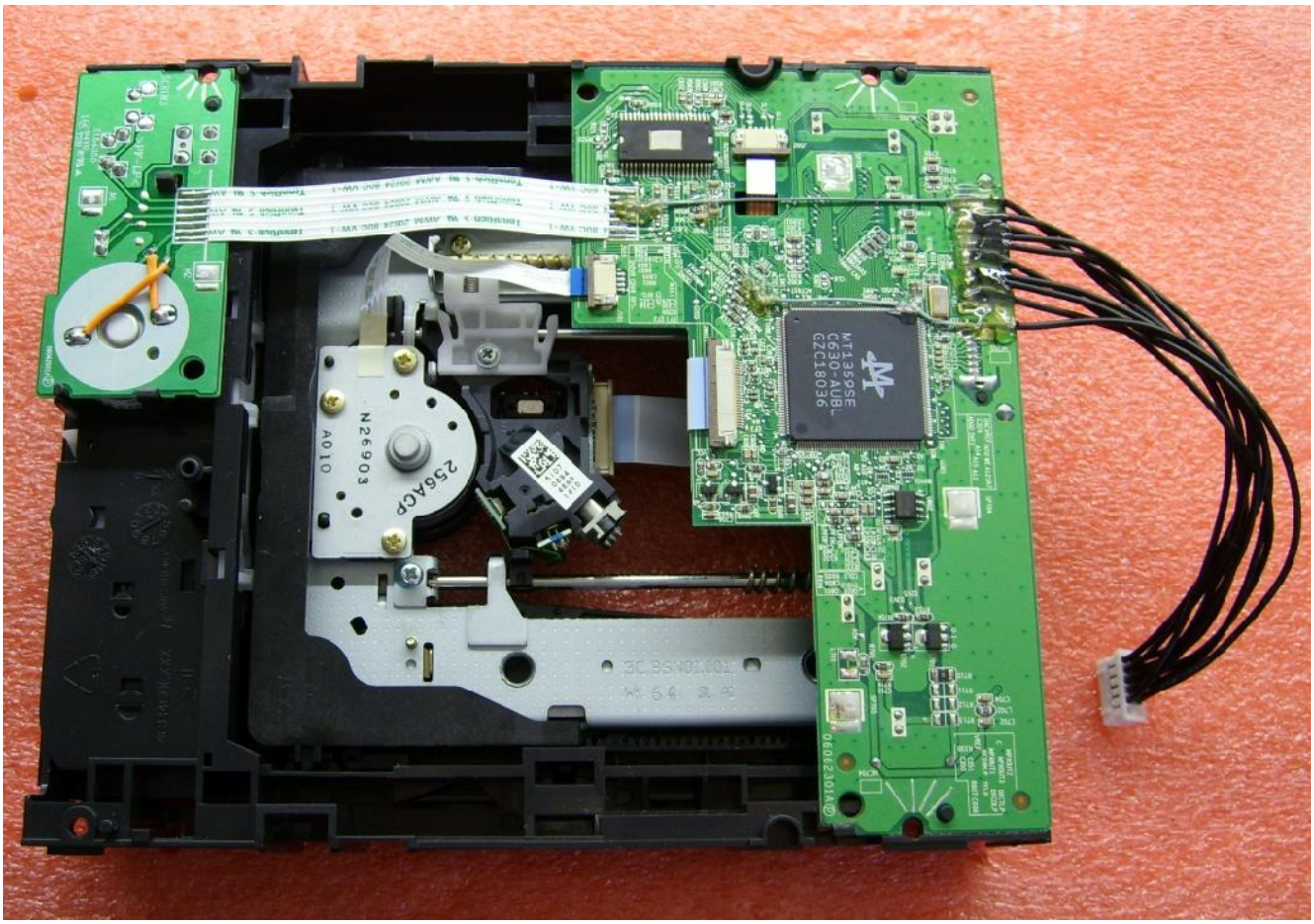

GND (-)
Eject
Tray_status
3,3V
5V
12V


GND (-)
Eject
12V
5V
3,3V
Tray_status
25MHz Y301
MT1359SE

If necessary, bend the cover a little to allow the wires to go through.

Completed installation

This is an exemple how it might look like after you finished all your modifications.



Written by Team MODFREAKz

Special thanks to Schtrom for his Flash Tool!!

Many thanks to Tiros, Redline99, Uberfry, Caster420 and TheXone.