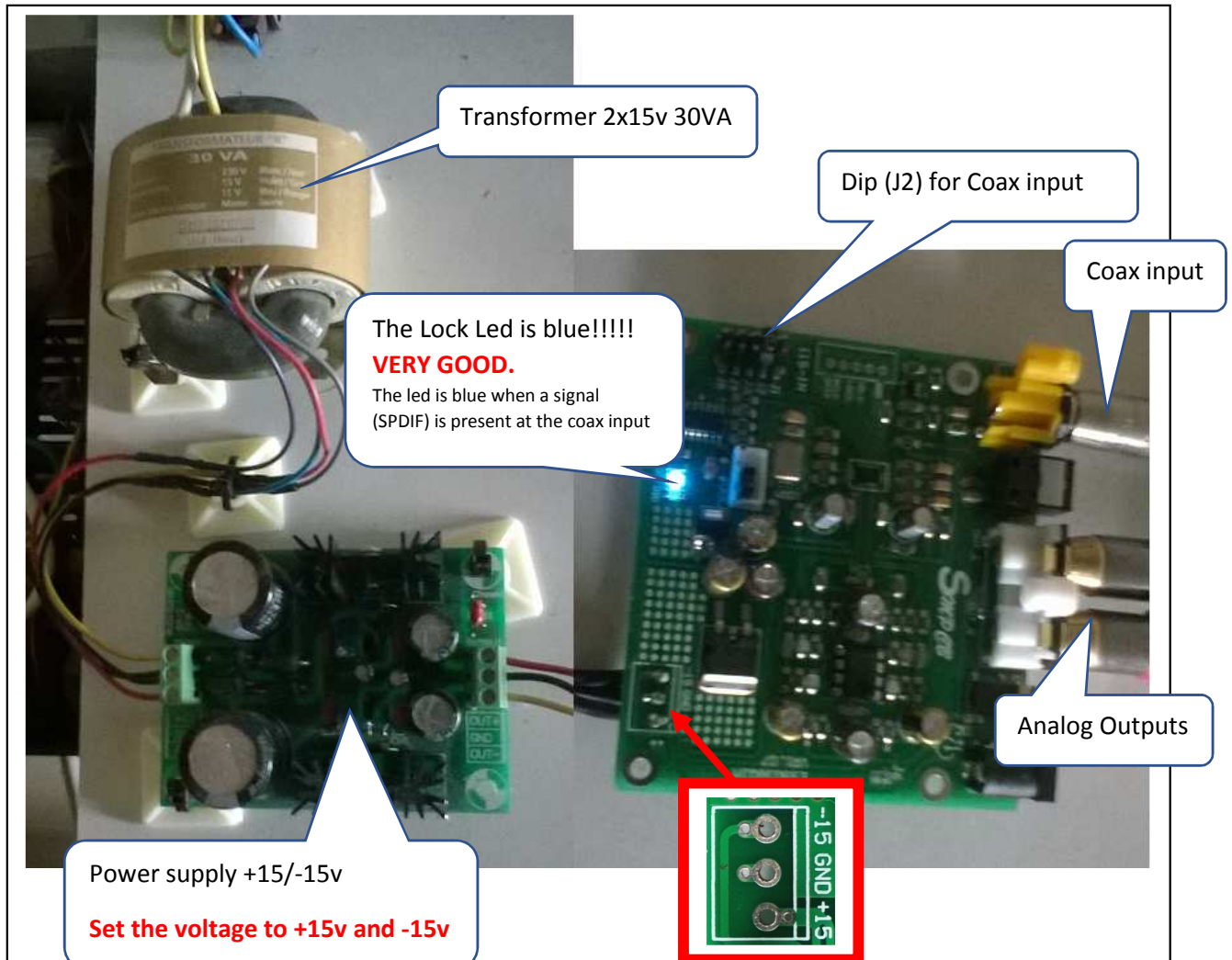


- These are the modifications that I have done, not all the thread mods.
<http://www.diyaudio.com/forums/digital-line-level/314935-es9038q2m-board.html>
- I think these modifications are simple without surprise !!!!

Before making the modifications, the card must be tested



ES9038Q2M VR1.07 :

<https://www.ebay.fr/itm/ES9038-Q2M-DAC-DSD-Decoder-Support-IIS-DSD-384KHz-Coaxial-Fiber-DOP/272844357070?ssPageName=STRK%3AMEBIDX%3AIT&trksid=p2057872.m2749.l2649>

Transformer :

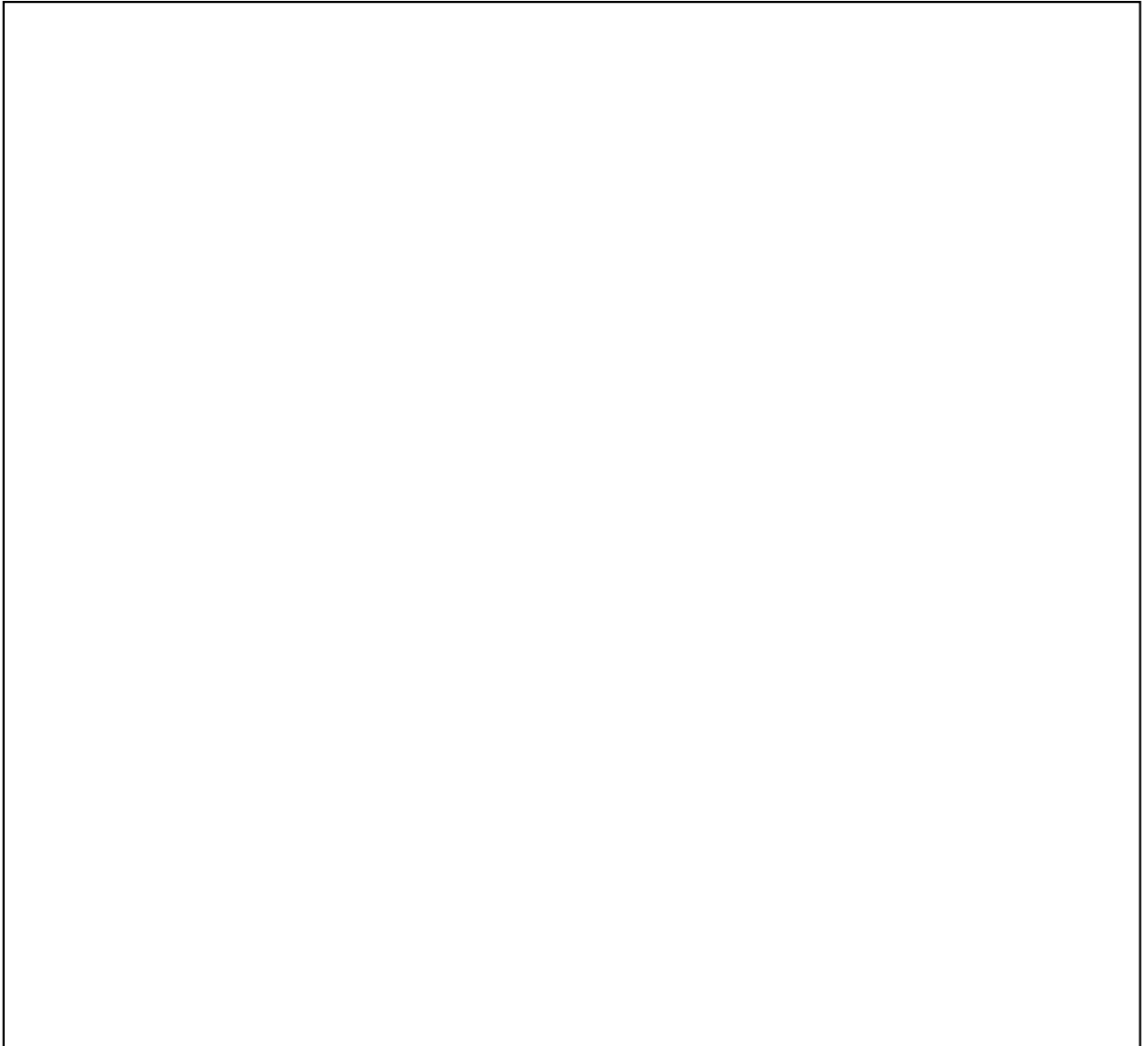
if you have not yet purchased the transformer, this model will be suitable for the modifications .

<https://www.ebay.fr/itm/1pc-30VA-30W-15V-2-6V-2-R-Core-Transformer-for-preamp-DAC-ES9038-ES9038PRO-/142441550942?hash=item212a2d945e>

Power supply +15/-15v :

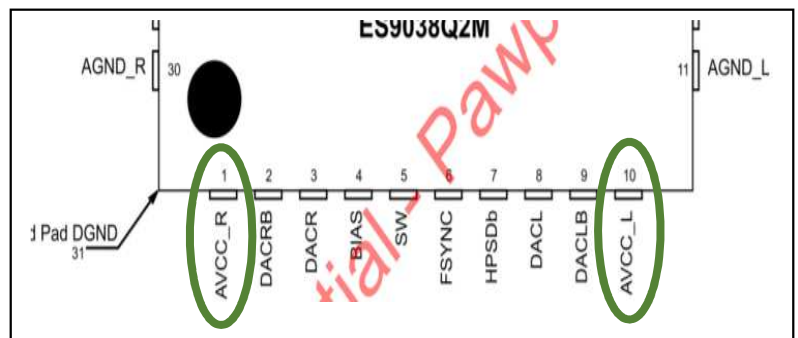
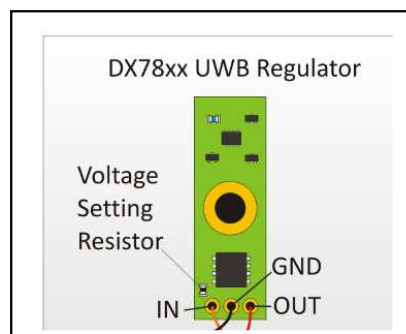
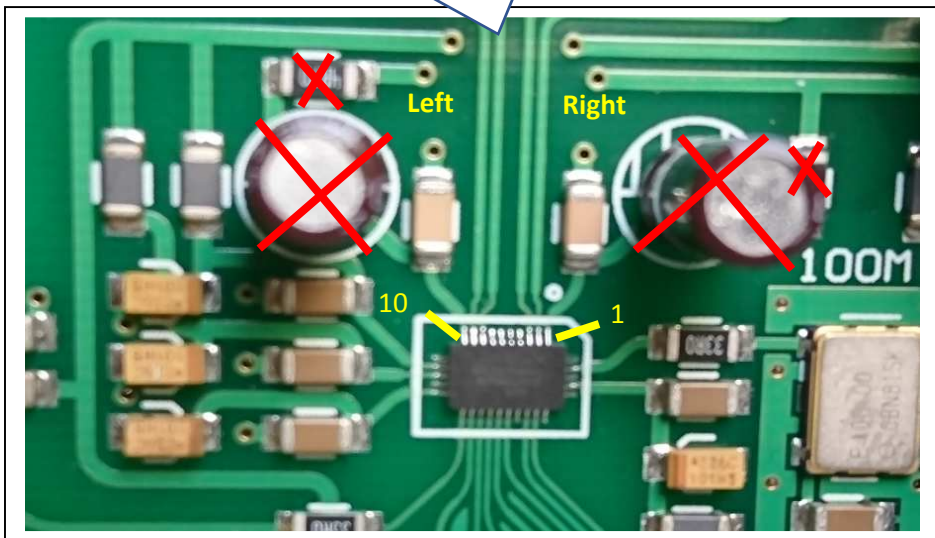
https://www.ebay.fr/sch/i.html?odkw=diy+power+supply+%2B15+-15v&LH_PrefLoc=2&osacat=0&from=R40&trksid=m570.l1313&nkw=diy+power+supply+LM317+LM337&sacat=0

Before making the modifications, the card must be tested



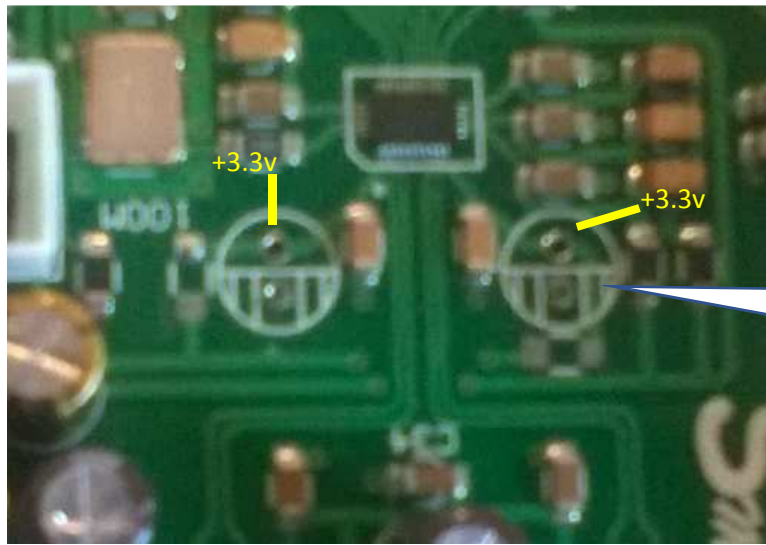
AVCC_L and AVCC_R mods

Remove the two capacitors 100μ16v
and the two resistors 4R7

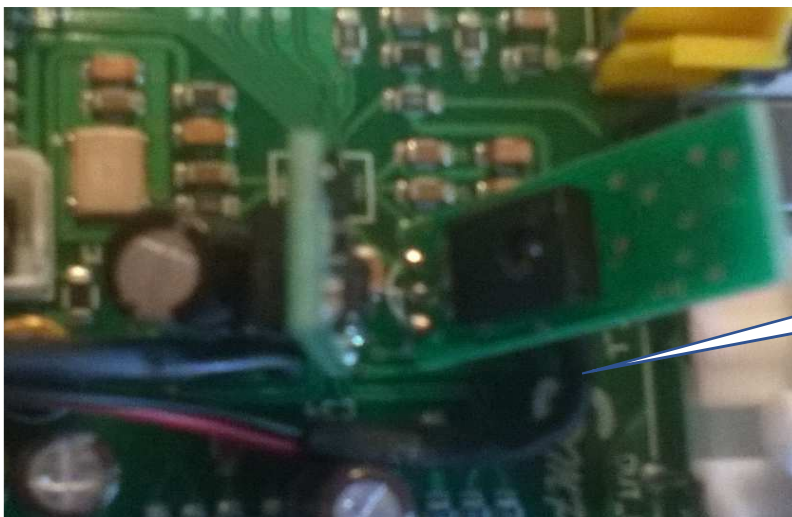


The “super regs “ for AAVCC_L and AVCC_R and +15v/-15v are *my choice* (I already had them)

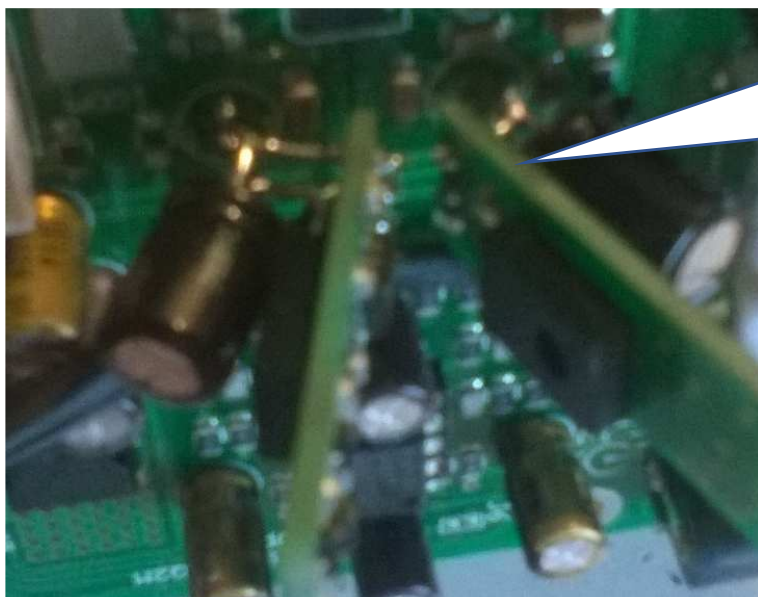
AVCC_L and AVCC_R mods



I plugged directly the two regs in place the capacitors



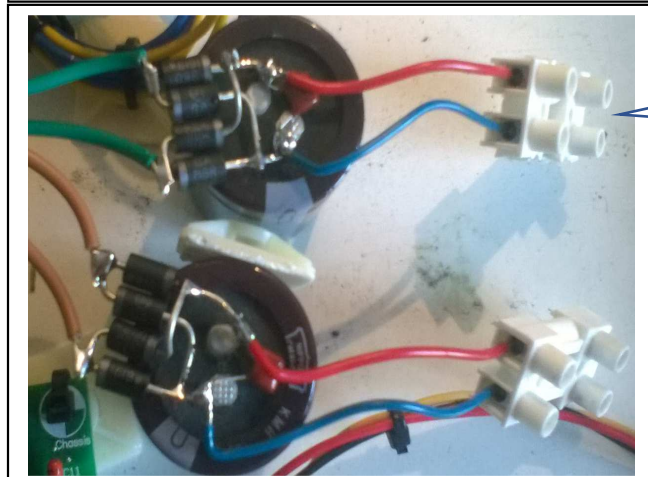
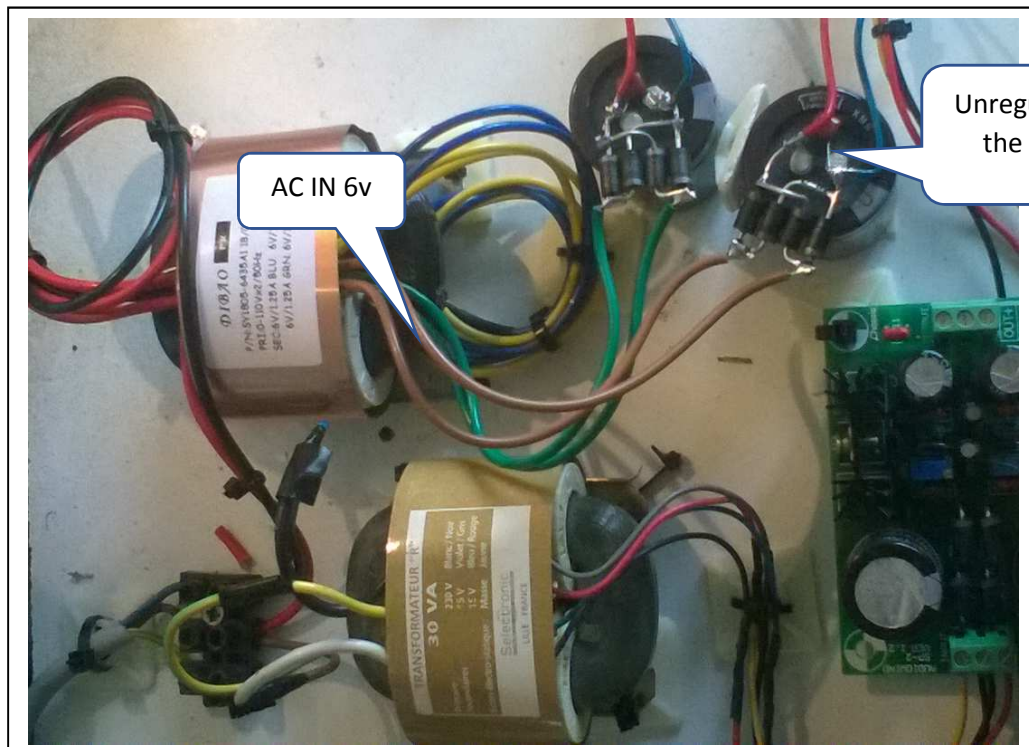
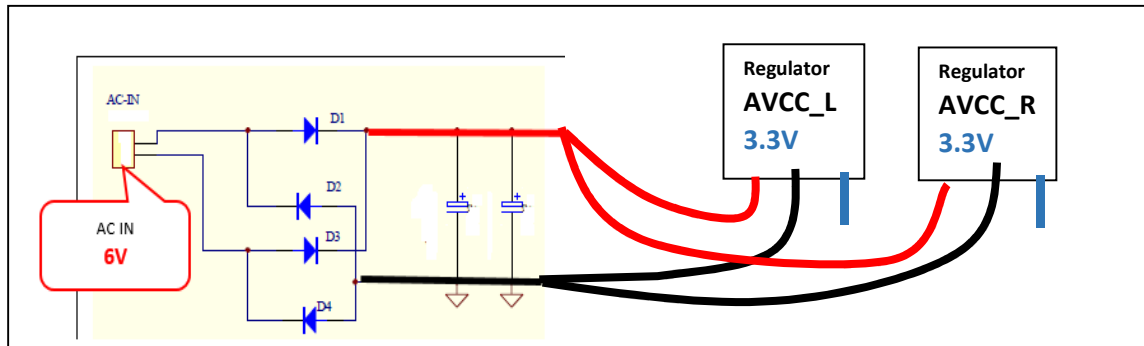
The wires (+V and GND non regulated) are soldered directly on the regulator



The links are short but it's not very easy to do the job.

The 100 μ f capa are soldered on the regulator's pins

AVCC_L and AVCC_R mods



I will use the other unregulated voltage to "replace" the on board 3.3v regulator

The unregulated voltage is "my solution" you can use what you want before the regs 3.3v.

AVCC_L and AVCC_R mods

Different options for the 3.3V

Super Regs:

<https://www.partsconnexion.com/NCLASSD-70907.html>

<https://sparkoslabs.com/product/ss78xx-discrete-voltage-regulator/>

LT3042/LT3045 regulators:

<http://www.diyaudio.com/forums/power-supplies/270681-ultra-low-noise-psrr-ldo-lt3042.html>

<https://www.ebay.fr/itm/LT3042-Low-voltage-RF-Ultra-high-PSRR-Linear-Regulator-Power-Module-20V-200mA/123119785977?hash=item1caa82d7f9:g:ltEAAOSwKApa8AGj>

<https://www.ebay.fr/itm/DC-3-5V-20V-To-DC-5V-LT3042-Ultra-Low-Noise-Voltage-Regulator-Module-Board/183170480308?hash=item2aa5cfb8b4:g:4q4AAOSw8BRay1nP>

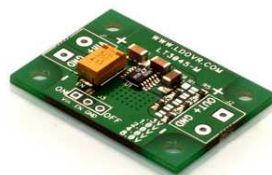
<https://www.ebay.fr/str/LDOVR?trksid=p2047675.l2563>

<https://www.ebay.fr/itm/LT3045-ultra-low-noise-0-8-Vrms-500mA-LDO-voltage-regulator-LM31x-3-3-5-12-15V/253667091767?hash=item3b0fbca537:g:8yoAAOSwTORa67yu>

<https://www.ebay.fr/itm/LT3045-3V-6V-9V-12V-Linear-Regulator-Power-Supply-Board-DC-Converter/152977171652?hash=item239e2664c4:g:lkMAAOSwyHRaxHAR>

LT1963:

<https://fr.aliexpress.com/item/5-pcs-LT1963-LT1963EQ-Puissance-Convertisseur-12-V-5-V-DC-DC-module-D-alimentation-5/32833900416.html>



Advices for the **AVCC_L** and **AVCC_R** mods :

These two regulators seem to me easier job for this mods.