Behringer DDX3216

And now, finally, I've managed to repair my PSU to work 100%.
The problem is described in **"No power on ANAOUT on ddx3216 PSU"** above.
As mention above, it's not just the electrolytics that is bad. Beside some bad soldering, the flat ceramic capacitors is a disaster.
For me, it was the C52 that was the problem, and here is my analys of the situation:
The PC3 works as a voltage regulator to Q3. It gives feedback from the lo-voltage-side to the transformer driver (Q3) on the high-voltage-side.
As mentioned above, the PSU worked fine (without failure as long as it was on), but when I rebooted it when it was warm, there was no power on the analog outputs. As I can see in the schematics, the C52 works as a "soft power up regulation" to Q3. If the C52 wasn't there, the PC3 would tell the Q3 to go by 100% at startup, because there is no power out yet. This will perform until the right level is achieved on the 17V side. This would probably work if the Q3 hadn't have a over-current and over-voltage protection. So that's why we need the C52, to make a more soft startup, while all electrolytics etc. are charged. Now, when I examine my C52, it has a value of 110 nF at 20° C. It's Ok (Should be 100 nF +- 10 or 20%). But when I just warm it up a bit (with my fingers) to about 30-35° C, the value goes down to 75 nF! If I then warm it up to a temperature that I just can hold my fingers to it without burning my self, the value goes down to 40 nF!! So now, the "soft startup" is not enough, so the over-current feature in Q3 is activated, and power the Q3 down. That's why it never will start up as long the power is on, even if I wait for temperature to go down. I need to restart when the temperature is low. This is also the reason why it is working as long as it is on.
So now, to be sure that this won't happen to more places in the PSU, I will replace all the ceramic flat capacitors to multilayer 125° C. capacitors.
One other thing that is really strange is that the electrolytic capacitors are "high temp 105° C" while the ceramics are not, or am I wrong here?!
Anyway, in my project to repair the PSU, I've also mounted a fan on it, to extend the lifetime on the PSU and the DDX. If anyone is interested in that, I will publish some pictures of it, and describe how to do and how it works.

Regards,