Testing Procedures for PCM1704 DAC Balance

Step 1:

There is total 12 independent DC voltages, verify it first before plug in the ICs:

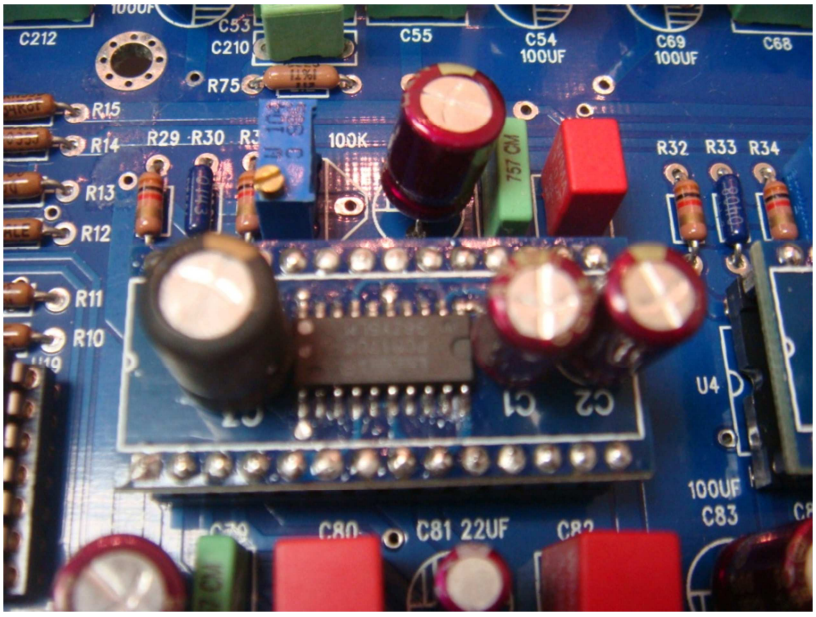
1. For R16, 5V for CS8412/CS8414
2. For R209, 5V for PMD100/DF1704
3. For R20, 5V for PCM58P/PCM1702/PCM1704
4. For R22, 5V for PCM58P/PCM1702/PCM1704 (12V recommended for PCM58P)
5. For R26, 5V for PCM58P/PCM1702/PCM1704
6. For R28, 5V for PCM58P/PCM1702/PCM1704 (12V recommended for PCM58P)
7. For R49, 15-18V DC for L Opamp
8. For R51, 15-18V DC for L Opamp
9. For R55, 15-18V DC for R Opamp
10. For R57, 15-18V DC for R Opamp

Step 2:

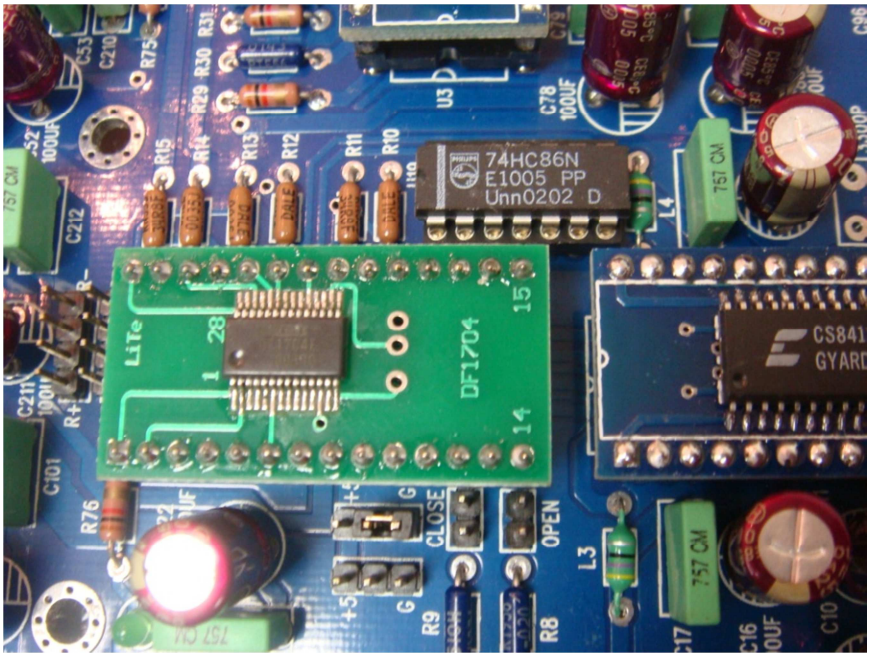
1. Solder for PCM1704 to the provided adaptor board

C1, C2: 47uF 50V

C3: 100uF 50V



2. Solder the DF1704E and CS8412/CS8414 to the adaptor boards



Step 3:

1. Plug in the ICs, pay attention to the direction of the PCM1704 and DF1704E that will be damaged if configure them incorrect direction.
2. Connect the audio digital source to the board and collect the outputs to amplifier.
3. Turn on power supply, sound will be produced in few seconds. **Switch off the power supply if there is no sound or any overheating of the ICs**, especially for the SMD ICs and repeat the above steps.

Good luck.

If you have any questions, please send us an email to tech@analogmetric.com

Thanks for your support.

Analog Metric Technical Support