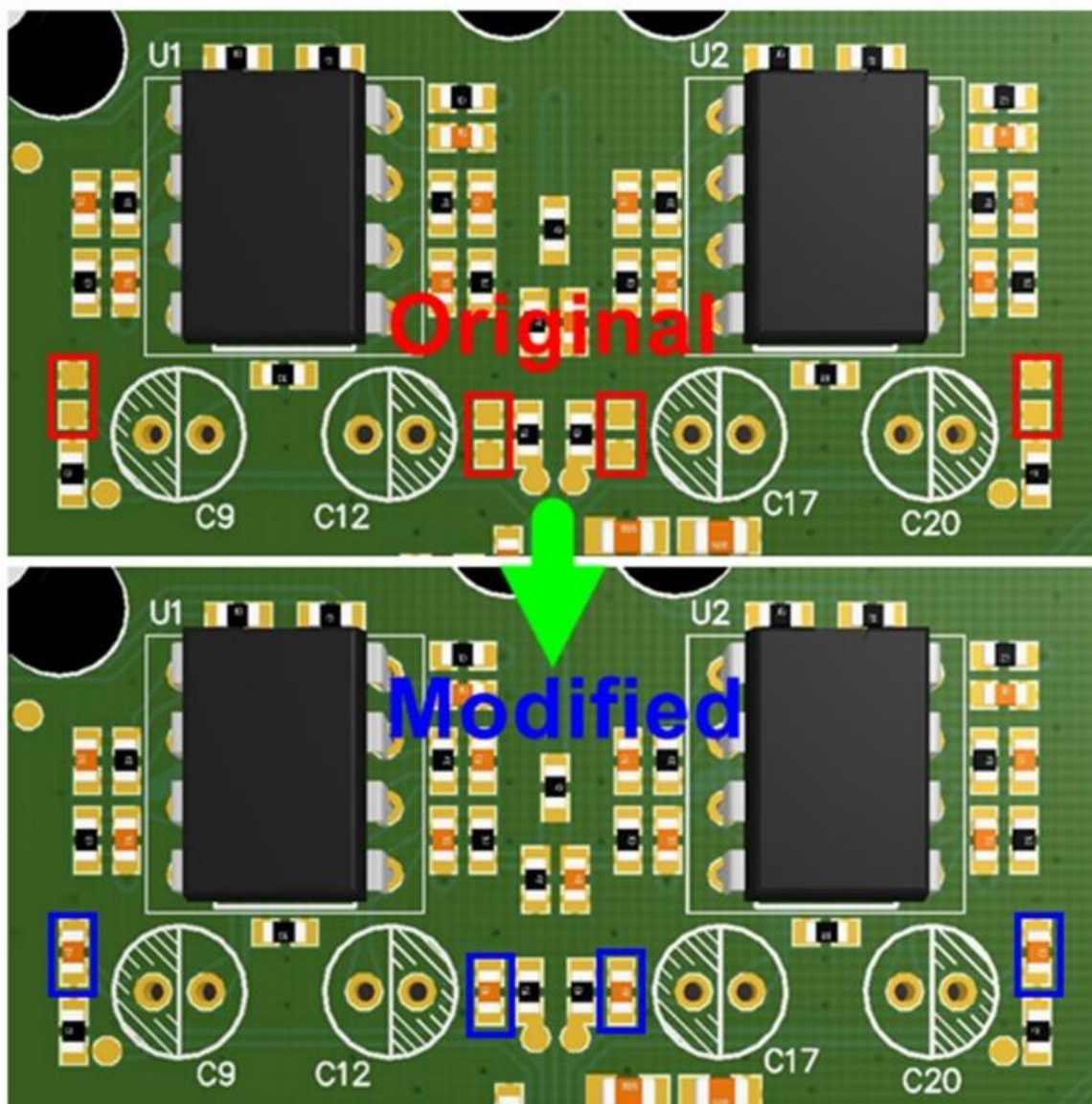


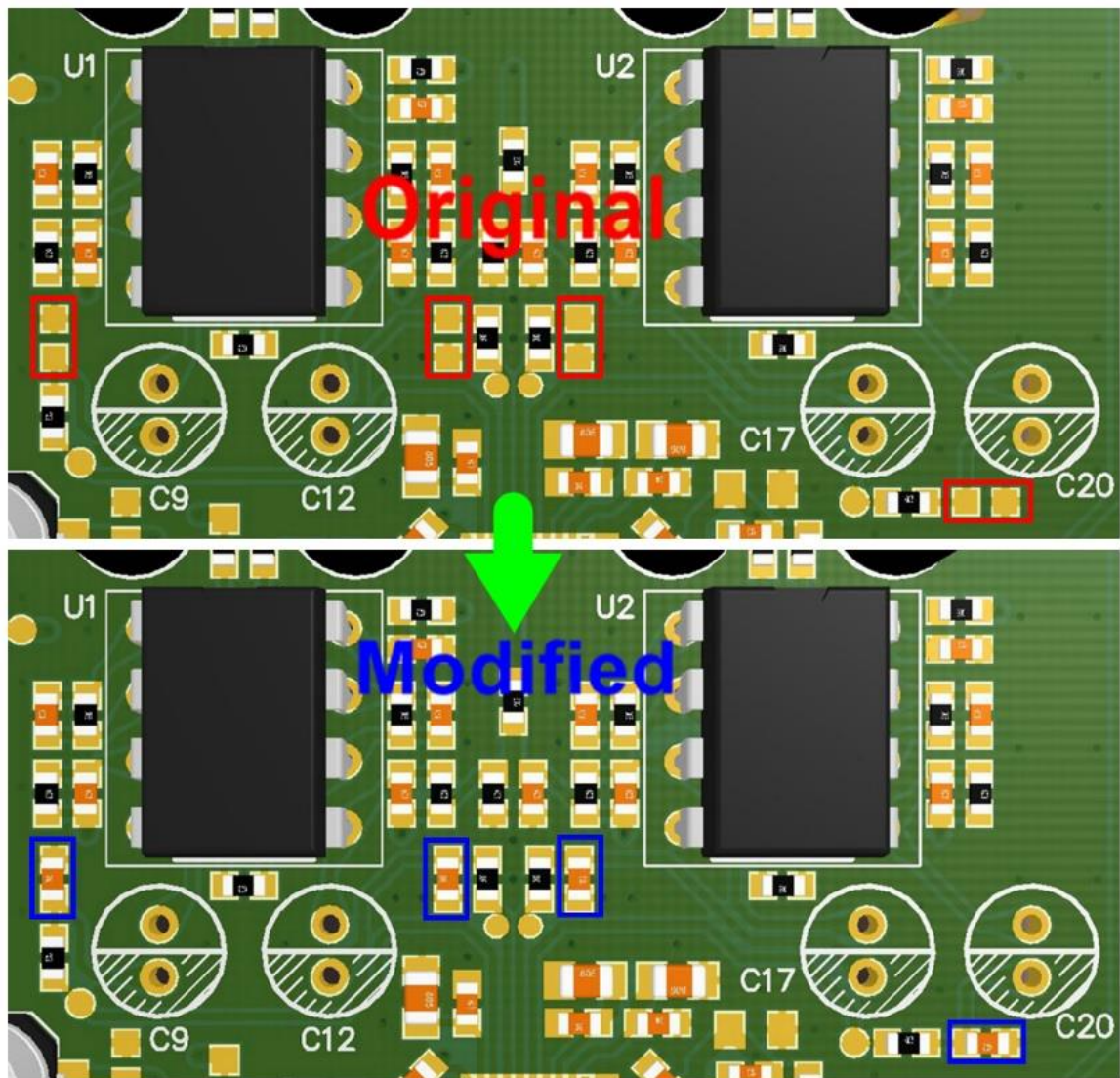
Reduce Background Noise on SY-DAPx002 Amplifier

- This modification can help to reduce the background noise by adding a RC filter on the output of DAC prior into OP-AMP stage and won't impact audio performance.
- Modification: add 4 capacitors into specified location, detail refer to below figure.
- Material: General C0G or NPO type; 4.7nF-10nF; 5%-10%;0603 size is suitable to use.

Below table are some parts for reference:

Recommend level	Capacitance	MFG	Refer Mouser Parts
1	10nF	KEMET	C0603C103J3GEC7411
		Murata	GRM1885C1H103JA01D
		TDK	C1608C0G1E103J080AA
2	6.8nF	KEMET	C0603C682J5GACTU
		Murata	GRM1885C1H682JA01D
		TDK	C1608C0G1H682J080AA
3	4.7nF	KEMET	C0603C472J5GECTU
		Murata	GRM1885C1H472JA01D
		TDK	C1608C0G1H472J080AA





SY-DAP2002 Rev1.1