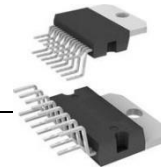


Audiokiller BOM list for Hi-Fi inverting amplifier on the chip TDA7294/TDA7293

<https://electroclub.info/>



Symbol	Type (producer)	Typical	Quantity	Note
R1	Any, power 0.125 w, 5% accuracy	1,5 kOhm	1	
R2, R3, R5	Any, power 0.125 w, 1% accuracy	33 kOhm	3	You can use 5% accuracy, but for a stereo amplifier select the same resistance in both channels
R4	Any, power 0.125 w, 1% accuracy	1,5 kOhm	1	You can use 5% accuracy, but for a stereo amplifier select the same resistance in both channels
R6	Any, power 0.125 w, 5% accuracy	12 kOhm	1	
R7, R8	Any, power 0.125 w, 5% accuracy	33 kOhm	2	
R9	Anyone, power 0.5-1 W, 5% accuracy	6,2 Ohm or 6,8 Ohm	1	1 watt is more reliable
R10	Any, power 0.125 w, 5% accuracy	1-1,5 Ohm	1	Resistance not more than 3 Ohm. It can be replaced by a jumper
C1	Ceramic on 50 V Murata, Vishay	1500 pf or other capacity, see article on the site	1	The TCC is NPO (NPO) Capacity depends on the resistance of the volume control!!!
C2	Film cap, Epcos, Wima	0.47 μF (0.33-0.68 mF)	1	High-quality capacitor with film, PETP or polypropylene dielectric (slightly better)
C3	Electrolytic cap, Jamicon, Epcos, Samwha, Panasonic	47 μF 50 V	1	6.3mm diameter
C4	Film cap, Epcos, Wima	0,1 μF 63-100 V	1	Distance between 7.5 or 10 mm.
C5	Electrolytic cap, Jamicon, Epcos, Samwha, Panasonic	100 μF 50V	1	Diameter 8 mm
C6	Film cap, Epcos, Wima	0,68-1 μF 63-100 V	1	Distance between 12.5 or 15 mm. High quality is not required. C6 not required for TDA 7294!!!
C7, C9	Film cap, Epcos, Wima	2,2μF 63-100 V (1,5-3,3 μF)	2	Distance between 15-21.5 mm.
C8, C10	Electrolytic cap, Jamicon, Epcos, Samwha, Panasonic, Elna, Nichicon	1000 μF 50 V	2	1. Diameter 13 or 16 mm. 2. Low ESR capacitor is preferable
Cx	Ceramic cap 50 V Murata, Vishay	47 pF (33-68 pF)	1	The TCC is NPO (NPO)
DA1	TDA7293	-	1	Can be replaced with TDA7294, but it's going to be a little worse. Place jumper correct on the board