

Bill of Materials

TI DESIGNS
TIPD134: Analog, Active Crossover Circuit for Two-Way Loudspeakers

Item	Quantity	Value	Designator	Description	Manufacturer	Manufacturer Part Number 1	Supplier Part Number 1
1	2	4.7uF	C1, C2	CAP, CERM, 4.7uF, 16V, +/-10%, XSR, 1206	Kemet	C1206C475K4PACTU	4520506
2	6	0.1uF	C3, C5, C6, C8, C20, C21	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	AVX	0603YC104JAT2A	478-3726-1-ND
3	10	0.1uF	C4, C7, C9, C10, C11, C13, C14, C15, C16, C17	CAP, CERM, 0.1uF, 25V, +/-5%, COG/NPO, 1206	TDK	C3216C0G1E104J	445-2691-1-ND
4	1	10pF	C12	CAP, CERM, 10pF, 50V, +/-5%, COG/NPO, 0603	AVX	06035A100JAT2A	478-1163-1-ND
5	2	0.047uF	C18, C19	CAP, CERM, 0.047uF, 50V, +/-5%, COG/NPO, 1206	MuRata	GRM31M5C1H473JA01L	490-1764-1-ND
6	3		J1, J2, J3	Standard Banana Jack, Uninsulated, 5.5mm	Keystone	575-4	575-4K-ND
7	3		J4, J5, J6	RCA Jack, Metal, Right Angle	CUI Inc	RCJ-011	CP-1400-ND
8	2	590	R1, R2	RES, 590 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206590RFKEA	541-590FCT-ND
9	2	1.30k	R3, R4	RES, 1.30k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K30FKEA	541-1.30KFCCT-ND
10	4	1.00k	R5, R6, R8, R14	RES, 1.00k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K00FKEA	541-1.00KFCCT-ND
11	1	422	R7	RES, 422 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206422RFKEA	541-422FCT-ND
12	1	221	R9	RES, 221 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206221RFKEA	541-221FCT-ND
13	1	475	R10	RES, 475 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206475RFKEA	541-475FCT-ND
14	1	1.74k	R11	RES, 1.74k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K74FKEA	541-1.74KFCCT-ND
15	1	1.15k	R12	RES, 1.15k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K15FKEA	541-1.15KFCCT-ND
16	1	332	R13	RES, 332 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206332RFKEA	541-332FCT-ND
17	3	11.8k	R15, R16, R17	RES, 11.8k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW120611K8FKEA	541-11.8KFCCT-ND
18	2	845	R18, R20	RES, 845 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206845RFKEA	541-845FCT-ND
19	2	1.40k	R19, R21	RES, 1.40k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061K40FKEA	541-1.40KFCCT-ND
20	1	10.0k	R22	RES, 10.0k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW120610K0FKEA	541-10.0KFCCT-ND
21	2		U1, U2	Quad, Low Noise, Audio Operational Amplifier	Texas Instruments	OPA1604AIDR	296-30115-1-ND
22	1		U3	Dual, Low Noise, Audio Operational Amplifier	Texas Instruments	OPA1602AID	296-28930-5-ND

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