



# Bill of Materials

TI DESIGNS  
TIPD186: Tone Stack for Guitar Amplifier

Item #	Quantity	Value	Designator	Description	Manufacturer	Part Number	Supplier	Supplier Part Number
1	2	470p	C1, C3	CAP CER 470PF 50V 5% NP0 0603	Samsung Electro-Mechanics America	CL10C471JB8NCNC	Digi-Key	1276-2302-1-ND
2	2	100n	C2, C6	CAP CER 0.1UF 50V 10% X7R 0603	Samsung Electro-Mechanics America	CL10B104KB8SFNC	Digi-Key	1276-1936-1-ND
3	5	10u	C4, C5, C10-C12	CAP CER 10UF 35V 10% X7R 1206	Samsung Electro-Mechanics America	CL31B106KLHNNNE	Digi-Key	1276-3103-1-ND
4	1	68p	C7	CAP CER 68PF 50V 5% NP0 0603	Samsung Electro-Mechanics America	CL10C680JB8NCNC	Digi-Key	1276-2324-1-ND
5	2	22n	C8, C9	CAP CER 0.022UF 50V 5% NP0 1206	TDK Corporation	C3216C0G1H223J060AA	Digi-Key	445-7690-1-ND
6	2	1k	R1, R2	RES SMD 1K OHM 1% 1/10W 0603	Panasonic Electronic Components	ERJ-3EKF1001V	Digi-Key	P1.00KHCT-ND
7	1	33k	R3	RES SMD 33K OHM 1% 1/10W 0603	Panasonic Electronic Components	ERJ-3EKF3302V	Digi-Key	P33.0KHCT-ND
8	1	499k	R4	RES SMD 499K OHM 1% 1/10W 0603	Panasonic Electronic Components	ERJ-3EKF4993V	Digi-Key	P499KHCT-ND
9	1	2.49k	R7	RES SMD 2.49K OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF2491V	Digi-Key	P2.49KCCT-ND
10	1	392	R8	RES SMD 392 OHM 1% 1/8W 0805	Panasonic Electronic Components	ERJ-6ENF3920V	Digi-Key	P392CCT-ND
11	2	25k	P1, P4	25K LINEAR POT RIGHT ANGLE PC MOUNT	Alpha	RV16AF-41-15R1-B25K	Mammoth Electronics	210-100-B-25K
12	1	250k	P2	250K LINEAR POT RIGHT ANGLE PC MOUNT	Alpha	RV16AF-41-15R1-B250K	Mammoth Electronics	210-100-B-250K
13	1	1M	P3	1M LOG POT RIGHT ANGLE PC MOUNT	Alpha	RV16AF-41-15R1-A1M	Mammoth Electronics	210-100-A-1M
14	3	KNOB	N/A	BLK ALUM KNURLED KNOB 15MM X 13MM	Unknown	4SKA-15X13KBK	Mammoth Electronics	4SKA-15X13KBK
15	1	LED	LED1	LED BLUE CLEAR 3MM 470NM	KingBright	WP710A10QBC/D	Digi-Key	754-1596-ND
16	1	OPA1642	U1	OPA1642 SOUND-PLUS OP AMP	Texas Instruments	OPA1642AID	N/A	N/A
17	3	BANANA	J5-J7	CONN JACK BANANA UNINS PANEL MOU	Emerson Network Power	108-0740-001	Digi-Key	J147-ND
18	2	RCA	J1, J2	CONN RCA JACK METAL R/A BLK PCB	CUI Inc	RCJ-011	Digi-Key	CP-1400-ND
19	2	PHONO PLUG	J3, J4	CONN JACK PHONE 1/4" 2POS RA OPN	Switchcraft Inc.	RN111PC	Digi-Key	SC1121-ND
20	1	JUMPER	JMP1	CONN HEADER 2POS .100" SGL GOLD	Samtec	TSW-102-07-G-S	Digi-Key	SAM1029-02-ND
21	1	JUMPER SHUNT	JMP1	JUMPER SHORTING UNITS	TE Connectivity	881545-2	Digi-Key	A26242-ND
22	4	SCREW	Screws	SCREW MACHINE PHILLIPS 4-40X3/8	B&F Fastener Supply	PMS 440 0038 PH	Digi-Key	H781-ND
23	4	STANDOFF	H1-H4	STANDOFF HEX 4-40THR ALUM .500"L	Keystone Electronics	2203	Digi-Key	2203K-ND
24	1	DNP	R5, R6	DO NOT POPULATE	n/a	N/A	N/A	N/A