

Tweed 5E3 PCB

Parts List for Valve Junior Conversion

These prices will change without notice.

Use these prices ONLY for estimation purposes.

Refer to each supplier's web site for current price quotes.

Musical Power Supplies

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
OT20PP	1		Output Transformer	20 Watt Push-Pull OT	MPS	\$28.95	\$28.95
							\$28.95

Mouser

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
C1	1	140-XRL450V47-RC	Capacitor - Electrolytic	47 μ F 450V - Radial	Xicon	\$1.85	\$1.85
C2, C3, C4	3	140-XRL450V22-RC	Capacitor - Electrolytic	22 μ F 450V - Radial	Xicon	\$0.94	\$2.82
C5, C11, C14	3	647-TVX1V220MAD	Capacitor - Electrolytic	25 μ F 35V - Axial	Nichicon	\$0.33	\$0.99
R4	1	71-CP5-4J	Resistor - Wire Wound	47 Ω 5W	Vishay/Dale	\$0.60	\$0.60
R28	1	71-CP0010270R0JE14	Resistor - Wire Wound	270 Ω 10W	Vishay/Dale	\$0.56	\$0.56
R5	1	594-5093NW4K700J	Resistor - Metal Film	4.7 K Ω 3W	Vishay / BC	\$0.46	\$0.46
R6	1	594-5083NW22K00J	Resistor - Metal Film	22 K Ω 2W	Vishay / BC	\$0.32	\$0.32
R26, R27	2	594-5093NW470R0J	Resistor - Metal Film	470 Ω 3W	Vishay / BC	\$0.46	\$0.92
R14, R15, R16	3	594-5083NW100K0J	Resistor - Metal Film	100 K Ω 2W	Vishay / BC	\$0.32	\$0.96
R19, R21	2	594-5083NW56K00J	Resistor - Metal Film	56 K Ω 2W	Vishay / BC	\$0.32	\$0.64
R3	1	594-5083NW470K0J	Resistor - Metal Film	470 K Ω 2W	Vishay / BC	\$0.32	\$0.32
R22, R23	2	294-220K-RC	Resistor - Carbon Film	220 K Ω 1W	Xicon	\$0.18	\$0.36
R13	1	294-820-RC	Resistor - Carbon Film	820 Ω 1W	Xicon	\$0.18	\$0.18
R17, R20, R24, R25	4	294-1.5K-RC	Resistor - Carbon Film	1.5 K Ω 1W	Xicon	\$0.18	\$0.72
R7, R8, R18	3	294-1M-RC	Resistor - Carbon Film	1 M Ω 1W	Xicon	\$0.18	\$0.54
R9, R10, R11, R12	4	294-68K-RC	Resistor - Carbon Film	68 K Ω 1W	Xicon	\$0.18	\$0.72
R1, R2	2	660-MF1/2CC1000F	Resistor - Metal Film	100 Ω 1/2W	KOA Speer	\$0.18	\$0.36
D1, D2, D3, D4	4	512-UF4007	Rectifier Diode	Fast/Soft Recov. 1A	Fairchild	\$0.19	\$0.76
	2	855-R30-1011002	PCB Standoff	10 mm - Hex	Harwin	\$0.43	\$0.86
	4	48SM003	Steel Screw - Pan / Phillips	3 mm X 6 mm	Eagle Plastic Dev.	\$0.12	\$0.48
VR-1, VR-2, VR-3	3	31VJ601-F	Potentiometer	1 M Ω Audio	Alpha	\$1.40	\$4.20
	3	517-2251	Spade Terminal	Female	Keystone	\$0.15	\$0.45
	3	534-1287-ST	Spade Terminal	Male	Keystone	\$0.11	\$0.33
							\$18.55

Antique Electronic Supply

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
C8	1	C-SM500	Capacitor - Silver Mica	500 pF 500V		\$0.45	\$0.45
C12, C13	2	C-MD1-630	Capacitor - 150's	0.1 μ F 630V	Mallory	\$1.28	\$2.56
C6, C7	2	C-MD047-630	Capacitor - 150's	0.047 μ F 630V	Mallory	\$0.91	\$1.82
C10	1	C-MD022-630	Capacitor - 150's	0.022 μ F 630V	Mallory	\$0.74	\$0.74
C9	1	C-MD0047-630	Capacitor - 150's	0.0047 μ F 630V	Mallory	\$0.64	\$0.64
	4	S-H501	1/2" 2 Cond. Swithed	Panel Mount	Cliff	\$2.21	\$8.84
	2	P-ST9-620	PC Mount Tube Socket	9-Pin Standoff	Belton	\$2.48	\$4.96
	2	P-ST8-193	PC Mount Tube Socket	8-Pin Standoff		\$1.76	\$3.52
	1	T-12AY7-EH	Pre-Amplifier Tube	12AY7	Electro Harmonics	\$12.15	\$12.15
	1	T-12AX7-S-JJ	Pre-Amp / Phase Inv. Tube	12AX7 S JJ	JJ Tesla	\$9.50	\$9.50
	1	T-6V6GT-EH	Power Tube	6V6 (Matched Pair)	Electro Harmonics	\$26.00	\$26.00
							\$71.18

Total \$118.68