

GuitarAmplifierPCBs.com
Plexi SE PCB

Parts List for Valve Junior Conversion

Prices may change without notice.

Use these prices ONLY for estimation purposes.

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

[GuitarAmplifierPCBs](#)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
Plexi SE PCB	1		Circuit Board	Plexi SE PCB	GAPCBs	\$30.00	\$30.00
							\$30.00

[Mouser](#)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
C1	1	Data Sheet	Capacitor - Electrolytic	100 µF 450V - Radial	Nichicon	\$3.22	\$3.22
C2, C3, C4, C5	4	Data Sheet	Capacitor - Electrolytic	47 µF 450V - Radial	Nichicon	\$2.46	\$9.84
C8	1	Data Sheet	Capacitor - Electrolytic	220 µF 16V - Axial	Vishay / Sprague	\$0.39	\$0.39
C16	1	Data Sheet	Capacitor - Electrolytic	470 µF 50V - Axial	Xicon	\$1.05	\$1.05
C6	1	Data Sheet	Capacitor - Polyester	0.1 µF 400V - Radial	Vishay / BC	\$0.47	\$0.47
C7	1	Page 832	Capacitor - 150's	0.68 µF 100V	Mallory	\$0.74	\$0.74
R23	1	Data Sheet	Resistor - Wire Wound	470 Ω 5W	Vishay / Dale	\$0.25	\$0.25
R4	1	Data Sheet	Resistor - Wire Wound	270 Ω 5W	Vishay / Dale	\$0.83	\$0.83
R5	1	Data Sheet	Resistor - Metal Film	4.7 KΩ 2W	Vishay / BC	\$0.32	\$0.32
R6, R7	2	Data Sheet	Resistor - Metal Film	10 KΩ 2W	Vishay / BC	\$0.32	\$0.64
R22	1	Data Sheet	Resistor - Metal Film	470 Ω 2W	Vishay / BC	\$0.32	\$0.32
R16	1	Data Sheet	Resistor - Metal Film	120 KΩ 2W	Vishay / BC	\$0.32	\$0.32
R10, R12, R18	3	Data Sheet	Resistor - Metal Film	100 KΩ 2W	Vishay / BC	\$0.32	\$0.96
R3	1	Data Sheet	Resistor - Metal Film	470 KΩ 2W	Vishay / BC	\$0.32	\$0.32
R21	1	Data Sheet	Resistor - Carbon Film	5.6 KΩ 1W	Xicon	\$0.16	\$0.16
R11	1	Data Sheet	Resistor - Carbon Film	2.7 KΩ 1W	Xicon	\$0.18	\$0.18
(R13 - Cascade Opt.)	1	Data Sheet	Resistor - Carbon Film	10 KΩ 1W	Xicon	\$0.18	\$0.18
R9, R19	2	Data Sheet	Resistor - Carbon Film	33 KΩ 1W	Xicon	\$0.18	\$0.36
R14, R15, (R24 - Cascade Opt.)	3	Data Sheet	Resistor - Carbon Film	470 KΩ 1W	Xicon	\$0.18	\$0.54
R20	1	Data Sheet	Resistor - Carbon Film	330 KΩ 1W	Xicon	\$0.18	\$0.18
R13, R17	2	Data Sheet	Resistor - Carbon Film	820 Ω 1W	Xicon	\$0.18	\$0.36
R8	1	Data Sheet	Resistor - Carbon Film	1 MΩ 1W	Xicon	\$0.18	\$0.18
R1, R2	2	Data Sheet	Resistor - Metal Film	100 Ω ½W	KOA Speer	\$0.18	\$0.36
D1, D2, D3, D4	4	Data Sheet	Rectifier Diode	Fast/Soft Recov. 1A	Fairchild	\$0.19	\$0.76
	3	Data Sheet	PCB Standoff	10 mm - Hex	Harwin	\$0.43	\$1.29
	6	Data Sheet	Steel Screw - Pan / Phillips	3 mm X 6 mm	Eagle Plastic Dev.	\$0.12	\$0.72
VR1, VR2, VR4	3	Page 677	Potentiometer	1 MΩ Audio	Alpha	\$1.40	\$4.20
VR3	1	Page 677	Potentiometer	250 KΩ Linear	Alpha	\$1.40	\$1.40
VR5	1	Page 677	Potentiometer	25 KΩ Linear	Alpha	\$1.40	\$1.40
*** for 240Vac ***	1	Data Sheet	Indicator Light	Red - 120VAC	Chicago Min.	\$2.33	\$2.33
	1	Data Sheet	Indicator Light	Red - 240VAC	Chicago Min.	\$2.33	\$2.33
	1	Data Sheet	Toggle Switch	DPST	Carling	\$6.83	\$6.83
	1	Data Sheet	Toggle Switch	SPST	Carling	\$3.25	\$3.25
	2	Data Sheet	Spade Terminal	Female	Keystone	\$0.15	\$0.30
	9	Data Sheet	Spade Terminal	Male	Keystone	\$0.11	\$0.99
							\$45.64

[Antique Electronic Supply](#)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
C11	1	C-SM250	Capacitor - Silver Mica	250 pF 500V		\$0.50	\$0.50
C12, (C17 - Bright Opt.)	2	C-SM500	Capacitor - Silver Mica	500 pF 500V		\$0.60	\$1.20
C9, C13, C14, C15, (C10 - Opt.)	5	C-MD022-630	Capacitor - 150's	0.022 µF 630V	Mallory	\$0.74	\$3.70
C10	1	C-MD01-630	Capacitor - 150's	0.01 µF 630V	Mallory	\$0.66	\$0.66
	2	P-ST9-620	PC Mount Tube Socket	9-Pin Standoff	Belton	\$2.48	\$4.96
	1	P-ST8-193	PC Mount Tube Socket	8-Pin Standoff		\$1.76	\$1.76
	2	T-12AX7-S-JJ	Pre-Amplifier Tube	12AX7 S JJ	JJ Tesla	\$9.50	\$19.00
	1	T-6V6GT-EH	Power Tube	6V6GT	Electro Harm.	\$12.70	\$12.70
							\$44.48

Total \$120.12