



Univox™ Super Fuzz™ Replica Bill of Materials

Version 2014June20

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	22k	 red-red-orange	 red-red-black-red
R2	100k	 brown-black-yellow	 brown-black-black-orange
R3	100k	 brown-black-yellow	 brown-black-black-orange
R4	47k	 yellow-violet-orange	 yellow-violet-black-red
R5	1k8 (1.8k)	 brown-gray-red	 brown-gray-black-brown
R6	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R7	10k	 brown-black-orange	 brown-black-black-red
R8	47k	 yellow-violet-orange	 yellow-violet-black-red
R9 (Expander Control Potentiometer)	50k Linear		
R10	220k	 red-red-yellow	 red-red-black-orange
R11	150k	 brown-green-yellow	 brown-green-black-orange
R12	10k	 brown-black-orange	 brown-black-black-red
R13	10k	 brown-black-orange	 brown-black-black-red
R14	470 ohm	 yellow-violet-brown	 yellow-violet-black-black
R15	100k	 brown-black-yellow	 brown-black-black-orange




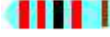







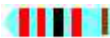

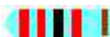









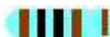



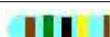
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R16	470 ohm	 yellow-violet-brown	 yellow-violet-black-black
R17	22k	 red-red-orange	 red-red-black-red
R18	1k8 (1.8k)	 brown-gray-red	 brown-gray-black-brown
R19	10k	 brown-black-orange	 brown-black-black-red
R20	100k	 brown-black-yellow	 brown-black-black-orange
R21	22k	 red-red-orange	 red-red-black-red
R22 (Balance Trimmer)	10k Trimmer Potentiometer		
R23 (Clipping Trimmer)	10k Trimmer Potentiometer (optional)		
R24	22k	 red-red-orange	 red-red-black-red
R25	10k	 brown-black-orange	 brown-black-black-red
R26 (Tone Control)	10k Linear Potentiometer		
R27 (Balance Control)	50k Linear Potentiometer		
R28	100k	 brown-black-yellow	 brown-black-black-orange
R29	15k	 brown-green-orange	 brown-green-black-red
R30	10k	 brown-black-orange	 brown-black-black-red
R31	1k	 brown-black-red	 brown-black-black-brown
R32	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R33	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow

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R34	1k	 brown-black-red	 brown-black-black-brown
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Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	10 μ F	Aluminum Electrolytic	10 μ F
C2	0.1 μ F	Film or Ceramic	104
C3	None		
C4	0.0022 μ F	Film or Ceramic	222
C5	10 μ F	Aluminum Electrolytic	10 μ F
C6	10 μ F	Aluminum Electrolytic	10 μ F
C7	10 μ F	Aluminum Electrolytic	10 μ F
C8	10 μ F	Aluminum Electrolytic	10 μ F
C9	10 μ F	Aluminum Electrolytic	10 μ F
C10	10 μ F	Aluminum Electrolytic	10 μ F
C11	10 μ F	Aluminum Electrolytic	10 μ F
C12	0.001 μ F	Film or Ceramic	102
C13	0.1 μ F	Film or Ceramic	104
C14	10 μ F	Aluminum Electrolytic	10 μ F
C15	None		
C16	10 μ F	Aluminum Electrolytic	10 μ F
C17	47 μ F	Aluminum Electrolytic	47 μ F
C18	10 μ F	Aluminum Electrolytic	10 μ F

Potentiometers:

Part ID	Value	Type
R9 - Expander Control	50k	Linear Taper
R22 – Octave Balance Trimmer	10k	
R23 - Clipping Trimmer	10k	
R26 - Tone Control	10k	Linear Taper
R27 – Balance Control	50k	Linear Taper



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Other:

Part ID	Part Name
D1	1N270 (or other Germanium diode)
D2	1N270 (or other Germanium diode)
D3	LED
Q1	2N2222A bipolar junction transistor
Q2	2N2222A bipolar junction transistor
Q3	2N2222A bipolar junction transistor
Q4	2N2222A bipolar junction transistor
Q5	2N2222A bipolar junction transistor
Q6	2N2222A bipolar junction transistor
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (not included in the Kit)
Sw1	Heavy Duty 3PDT foot switch
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs