The Popo PCB v1.0 · parts list

In the order they go in. Tick each one as you solder it. Guide: messopedals.com/diy/onion-madder/pcb/popo/

	Qty	Value	Part	Spot it	On the board
☐	4	**10K**	resistor	brown, black, orange	R1, R5, R8, R10
☐	3	**2.2K**	resistor	red, red, red	R2, R7, R15
☐	2	**22K**	resistor	red, red, orange	R6, R14
☐	2	**470 ohm**	resistor	yellow, violet, brown	R12, R13
☐	1	**100K**	resistor	brown, black, yellow	R11
☐	1	**220K**	resistor	red, red, yellow	R9
☐	1	**1K**	resistor	brown, black, red	R3
☐	1	**4.7K**	resistor	yellow, violet, red	R4
☐	1	**1N4148**	diode	glass, band to square pad	D1
☐	1	**1N5817**	diode	band to square pad	D4
☐	1	**150 nF**	ceramic cap	printed 154	C1
☐	3	**10 nF**	ceramic cap	printed 103	C2, C6, C9
☐	3	**NE555**	chip, 8-pin	notch to square pad	IC1, IC2, IC3
☐	1	**2N3904**	transistor	flat side matches the outline	Q1
☐	1	**2.2 µF**	electrolytic	long leg to + square pad	C8
☐	1	**10 µF**	electrolytic	long leg to + square pad	C3
☐	1	**22 µF**	electrolytic	long leg to + square pad	C5
☐	1	**47 µF**	electrolytic	long leg to + square pad	C4
☐	2	**100 µF**	electrolytic	long leg to + square pad	C7, C10
☐	2	**LED**	LED	short leg to square pad	D2, D3

Off the board

☐	1	DC jack and a 9V supply, center negative
☐	1	SPST toggle for power, between the DC jack's + lug and SW
☐	1	LED for power, on J1's LED pad
☐	1	B100K pot, linear, the siren's pitch, on wires to J6
☐	1	momentary button, normally open, for the woop
☐	1	SPST toggle for the wail
☐	1	3.5 mm mono jack for the output
☐	1	3.5 mm mono jack for CV in, if you want it
☐		Hookup wire for the headers
☐		The Popo PCB