Dragonfly VCO PCB · parts list

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

	Qty	Value	Part	Spot it	On the board
☐	2	**100K**	resistor	brown, black, yellow	R2, R4
☐	1	**10K**	resistor	brown, black, orange	R3
☐	2	**1K**	resistor	brown, black, red	R1, R5
☐	1	**1N5817**	diode	band to K square pad	D1
☐	1	**10 nF**	ceramic cap	printed 103	C1
☐	3	**100 nF**	ceramic cap	printed 104	C2, C3, C4
☐	1	**CD4046**	chip, 16-pin	notch to square pad	U1
☐	1	**10 µF**	electrolytic	long leg to + square pad	C5
☐	1	**100 µF**	electrolytic	long leg to + square pad	C6
☐	3	**B100K**	pot, 16 mm	B = linear	RV1, RV2, RV3

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 and a 2.2K resistor (bands red-red-red) for a power light: the 2.2K from SW to the LED's long leg (the anode), and the short leg (the cathode) to GND. It lights when the power toggle is on
☐	1	SPST toggle for the mode, across the two MODE pins
☐	2	3.5 mm mono jacks: the input, wired to IN or to RANGE's middle leg for CV (see above), and the output
☐		Hookup wire for the headers
☐		The Dragonfly VCO PCB