Spider Sequencer PCB v1.1 · parts list

In the order they go in. Tick each one as you solder it. Guide: messopedals.com/diy/onion-madder/pcb/spider-sequencer-v1-1/

	Qty	Value	Part	Spot it	On the board
☐	2	**10K**	resistor	brown, black, orange	R1, R2
☐	1	**1K**	resistor	brown, black, red	R3
☐	1	**100K**	resistor	brown, black, yellow	R4
☐	2	**2.2K**	resistor	red, red, red	R5, R6
☐	8	**1N4148**	diode	glass, band to K square pad	D1, D2, D3, D4, D5, D6, D7, D8
☐	1	**1N5817**	diode	band to K square pad	D9
☐	2	**100 nF**	ceramic cap	printed 104	C2, C4
☐	1	**CD4017**	chip, 16-pin	notch to square pad	U1
☐	1	**NE555**	chip, 8-pin	notch to square pad	U2
☐	1	**2.2 µF**	electrolytic	long leg to + square pad	C1
☐	1	**100 µF**	electrolytic	long leg to + square pad	C3

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
☐	8	B100K pots, the steps, on wires to STEP 1 to STEP 8
☐	1	B1M pot, RATE, on wires to its header
☐	8	LEDs, one per step, on wires to LED 1 to LED 8. All one color: they share one resistor, so mixed colors wander in brightness
☐	1	LED for power, on J6, if you want one
☐	2	3.5 mm mono jacks, CV out and clock out
☐		Optional: an on-on toggle (SPDT, no center-off) on J5 for eight or four steps. Cut SJ1 on the board first
☐		Hookup wire for the headers
☐		The Spider Sequencer PCB