Cicada NAND Mk II 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/cicada-nand-mk2/

	Qty	Value	Part	Spot it	On the board
☐	4	**1M**	resistor	brown, black, green	R9, R10, R11, R12
☐	4	**100K**	resistor	brown, black, yellow	R14, R15, R16, R17
☐	8	**10K**	resistor	brown, black, orange	R5, R6, R7, R8, R18, R19, R20, R21
☐	1	**2.2K**	resistor	red, red, red	R13
☐	4	**1K**	resistor	brown, black, red	R1, R2, R3, R4
☐	1	**1N5817**	diode	band to K square pad	D1
☐	1	**1 nF**	ceramic cap	printed 102	C3
☐	1	**10 nF**	ceramic cap	printed 103	C1
☐	3	**100 nF**	ceramic cap	printed 104	C2, C9, C11
☐	1	**1 µF**	ceramic cap	printed 105	C4
☐	4	**1 µF**	film cap	box, printed 105	C5, C6, C7, C8
☐	1	**CD4093**	chip, 14-pin	notch to square pad	U1
☐	1	**CD4070**	chip, 14-pin	notch to square pad	U2
☐	1	**10 µF**	electrolytic	long leg to + square pad	C10
☐	4	**B1M**	pot, 9 mm	B = linear. Bourns PTV09A-4020F-B105	RV1, RV2, RV3, RV4
☐	1	**B100K**	pot, 9 mm	B = linear. Bourns PTV09A-4020F-B104	RV5
☐	1	**A100K**	pot, 9 mm	A = log. Bourns PTV09A-4020F-A104	RV6

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
☐	4	3.5 mm switched mono jacks for the gates, ones with a third lug that touches the tip with nothing plugged in
☐	4	on-off-on toggles for the gates: one way is partner, the middle is free running, the other way is off
☐	4	SPST toggles for the XORs
☐	1	3.5 mm mono jack for the output
☐		Hookup wire for the headers
☐		The Cicada NAND Mk II PCB