Opto Duet CV 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/opto-duet-cv-v1-1/

	Qty	Value	Part	Spot it	On the board
☐	1	**22K**	resistor	red, red, orange	R5
☐	2	**4.7K**	resistor	yellow, violet, red	R6, R7
☐	2	**1K**	resistor	brown, black, red	R1, R3
☐	2	**100 ohm**	resistor	brown, black, brown	R2, R4
☐	1	**1N5817**	diode	band to K square pad	D1
☐	2	**10 nF**	ceramic cap	printed 103	C2, C5
☐	3	**100 nF**	ceramic cap	printed 104	C4, C8, C9
☐	2	**NE555**	chip, 8-pin	notch to square pad	U1, U2
☐	1	**10 µF**	electrolytic	long leg to + square pad	C1
☐	3	**100 µF**	electrolytic	long leg to + square pad	C3, C6, C7
☐	2	**LED**	LED	short leg to square pad	D2, D3
☐	3	**LDR**	photocell	either way around	LDR1, LDR2, LDR3
☐	3	**B100K**	pot, 9 mm	B = linear. Bourns PTV09A-4020F-B104	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 for power, on J4, if you want one
☐	1	3.5 mm mono jack for the output
☐	1	3.5 mm mono jack for the pitch CV
☐		Heat-shrink for the vactrol, to seal D2 and LDR2 face to face
☐		Hookup wire for the headers
☐		The Opto Duet CV PCB