

Wildfire Laboratories

“Lucy Says No” BOM / Documentation for v1.4



ICs / Semiconductors

Part No.	Value	Qty.	link	Notes
D1, D2	1N4004	2	tayda	rev. polarity diodes

(U5 is a surface-mount TL074 - it'll come presoldered unless you're dying for soldering practice, in which case email us)

Resistors

(all 1/4w metal film, 1% tolerance - though you can get away with carbons)

R3, R10, R11	100k	3	tayda	(link is quick-order page for all resistors)
R1, R2, R4, R5, R6, R8, R9	1k	7		
R7	220R	1		

Capacitors

monolithic ceramic (MCC) - film box or cheap ceramics will work fine too)

C1, C2	0.1uf / 100nf	2	tayda	
C3	22pF	1	tayda	

Hardware / etc.

RTRN, SEND, CV, OUT	Mono 3.5 Jack	4	tayda	Aka “Thonkiconn”
VR1	10kB PCB pot	1	tayda	Aka “Alpha”
VR2	50k PCB pot	1	tayda	9mm knurled plastic shaft,
n/a	Pin headers	1	tayda	2 strips of 5
LDR1	Vactrol	1	any 5mm LED (std Red here) + photocell + 6 to 7mm heatshrink tubing	guide on how to make a vactrol here
n/a	Knob	1	tayda	Or any knob with a brass screw and insert (Davies, etc)

Notes

- Before powering on for the first time, check for shorts between the GND, +5, and +12 test points.
- Values for all parts will be on the board.
- The parts marked OUT, SEND, RETURN, and CV are all the Mono 3.5 Jacks - they are marked as such for easy troubleshooting.
- On v1.0 - 1.1 boards, the screenprinted footprint is on the wrong side (it should be soldered on the same side as the power header and other components.)
- On some earlier board revisions, the footprint for the 78L05 may have solder pads that are very close together - after assembly, use a multi-meter to test for shorts between the three legs!

Contact + Support

Please do not hesitate to reach out to us with questions, comments, repair requests, returns, parables, assembly opcodes, and general support. You can reach us via:

EMAIL - wildfirelaboratories@gmail.com

INSTAGRAM - [instagram.com/wildfire_laboratories](https://www.instagram.com/wildfire_laboratories)

WEBSITE - wildfirelaboratories.com



"Listening in Depth"