

Wildfire Laboratories

“Lucy Says No” BOM / Documentation



ICs / Semiconductors

Value	Qty.	link	Notes
1N4004	2	tayda	
TL072	1	tayda	
2N3904	1	tayda	
LM78L05	1	tayda	On v1.0 - 1.1 boards, <u>solder on the same side of the power header</u> (*NOT* on the side of the jacks)

Resistors

(1% tolerance metal film preferably)

100k	1		1/4w
1k	5		1/4w
820R	1		1/4w or more
47k	1		1/4

Hardware / etc.

Mono 3.5 Jack	4	tayda	Aka “Thonkiconn”
25kB Pot.	1	tayda	Aka “Alpha”
Euro Pwr Header	1	tayda	Just pin headers tbh
Vactrol	1	guide here	LED* + photoresistor + heatshrink.
Knob	1	tayda	Or any knob with a brass screw and insert (Davies, etc)

* any 5mm LED will do, I use Red LEDs for vactrols. [Here's a tutorial on how to make them.](#)

Notes

- 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!**
- Before powering on for the first time, check for shorts between the GND, +5, and +12 test points.
- If anything happens or if you have questions, email us at **wildfirelaboratories@gmail.com**