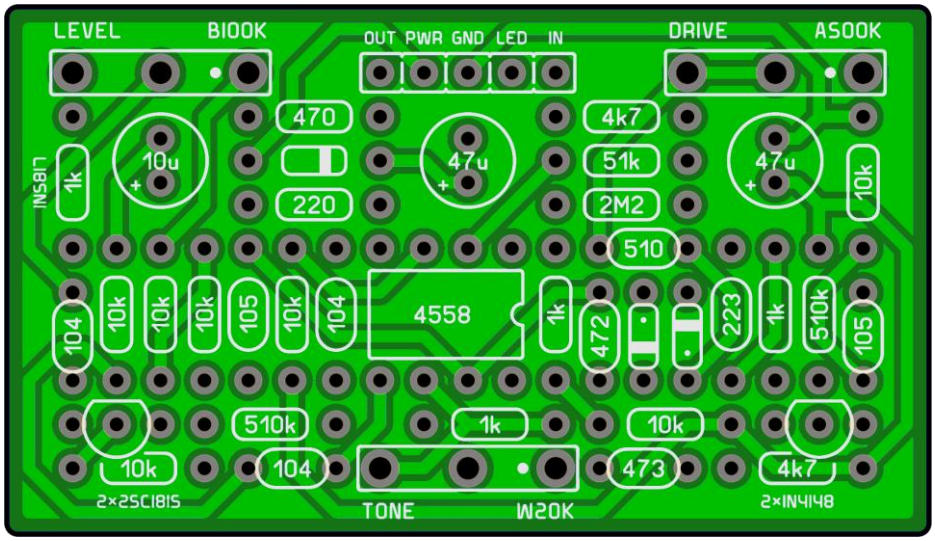
Bonus PCB based on the Maxon OD808X Extreme

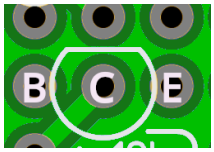
This PCB is only available as a **Free Bonus PCB** with qualifying orders and **not available for sale**.

This circuit is based on the modified Maxon OD808 circuit with an extended frequency response, enhancing clarity and definition across the tonal spectrum. The boosted high-end helps notes cut through the mix without harshness, making it perfect for driving your amp. Harder clipping provides a more aggressive, amp-like distortion, adding depth and presence to your tone. With the Drive rolled back and Level up full, it is also excellent for chugging tones.

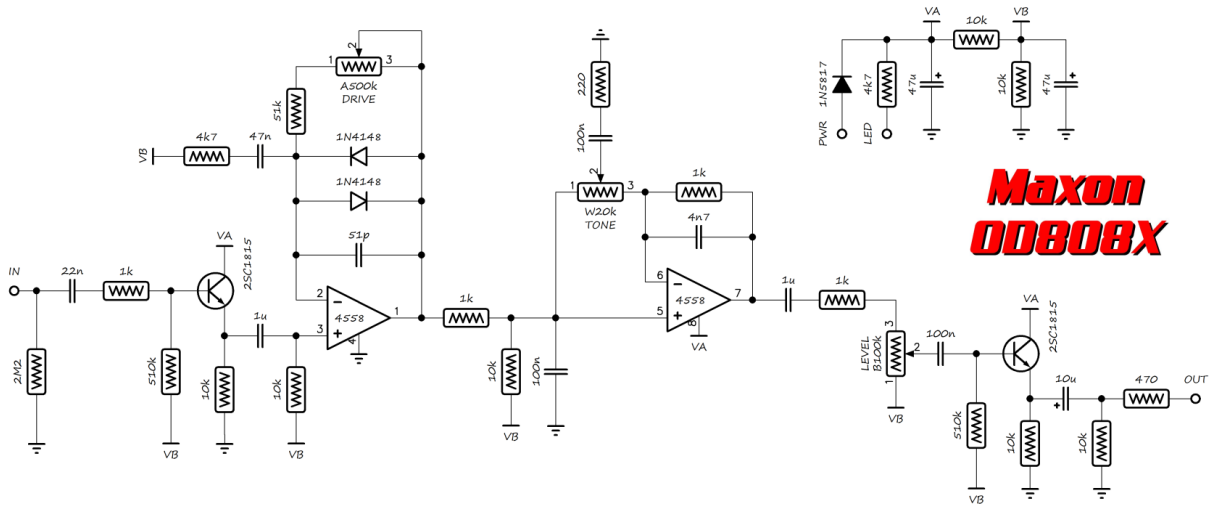
All component values and capacitor codes are printed directly on the PCB. Use this information in conjunction with the provided schematic and reference photos for assembly.

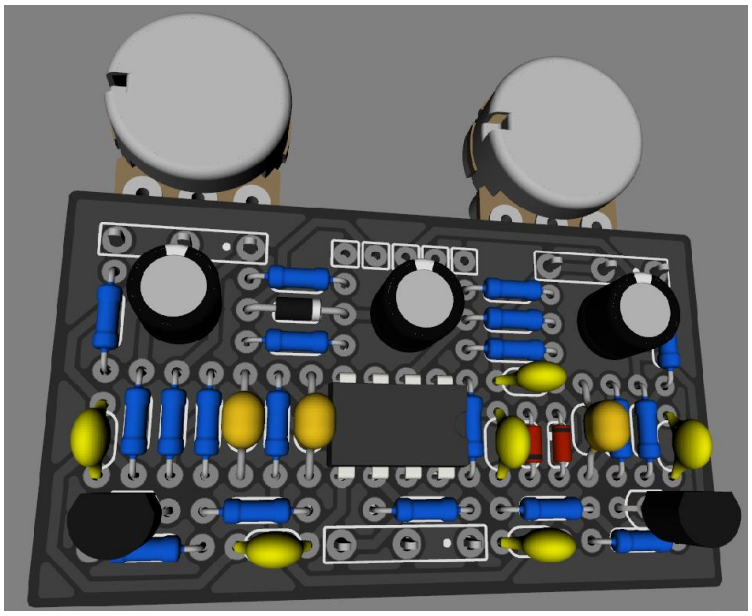


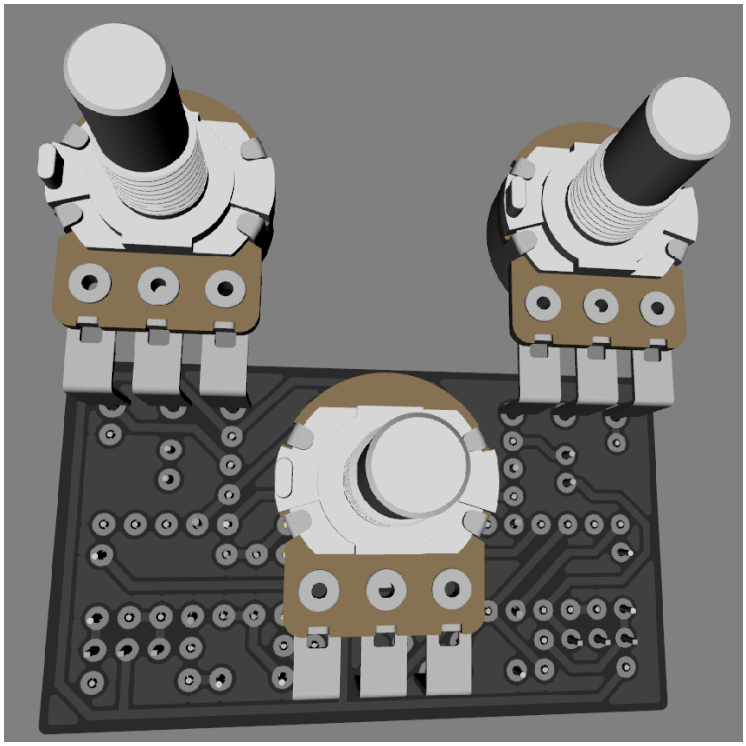
Build Notes:



- This build calls for a pair of 2SC1815 NPN transistors. You may use a more common transistor like 2N3904**. Note the PCB pads are labeled on the right as B / C / E** (center = **C**). If choosing **2N3904**, **cross the outer legs** so **E** and **C** match the pads correctly. Verify with datasheets.
- The board image shows two silicon diodes paired as 2 x 1N4148. The solo diode on the left/center is a 1N5817. The Stripe represents the cathode.

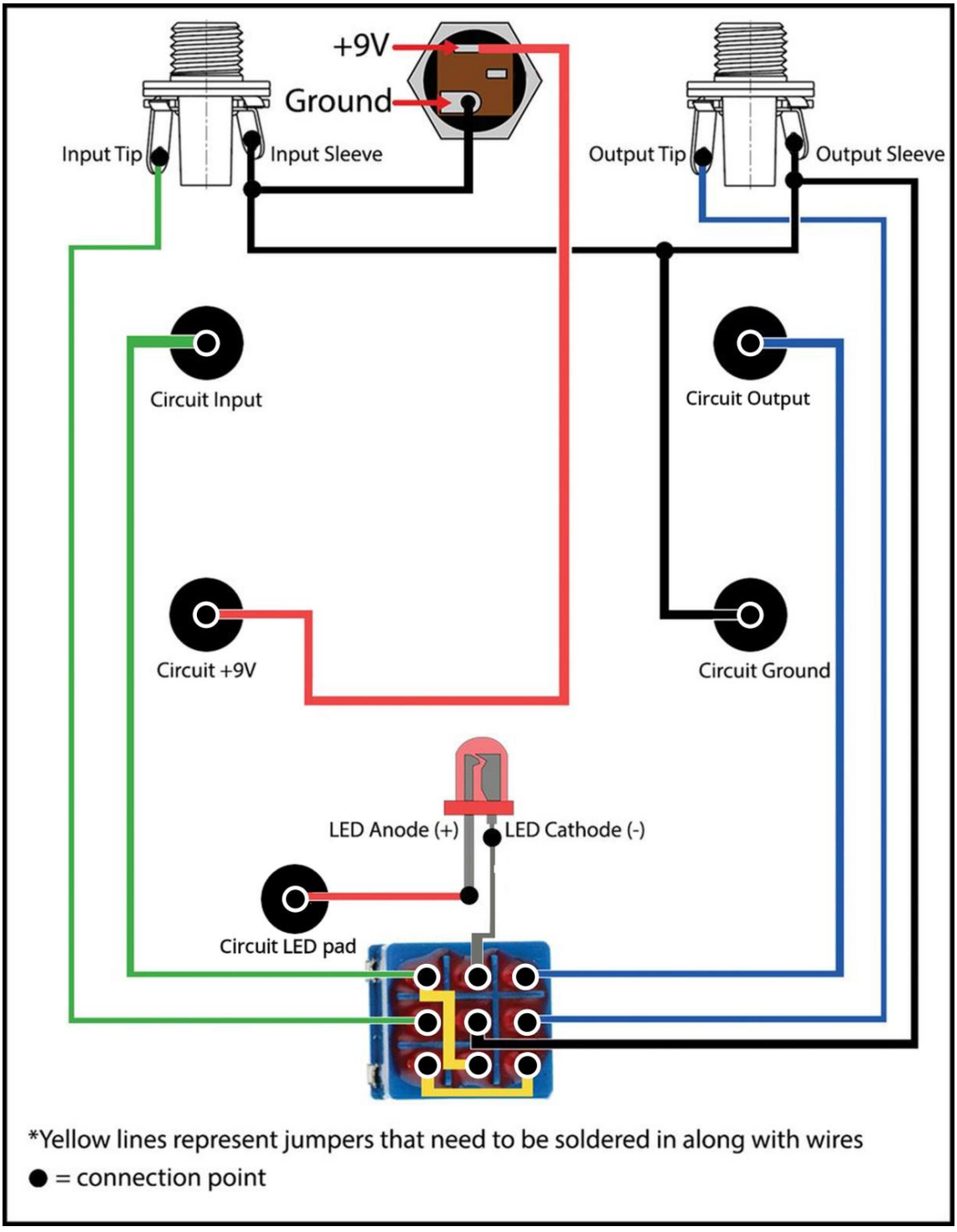






Use the link below to download a handy capacitor code chart:

https://tinyurl.com/capacitor-codes

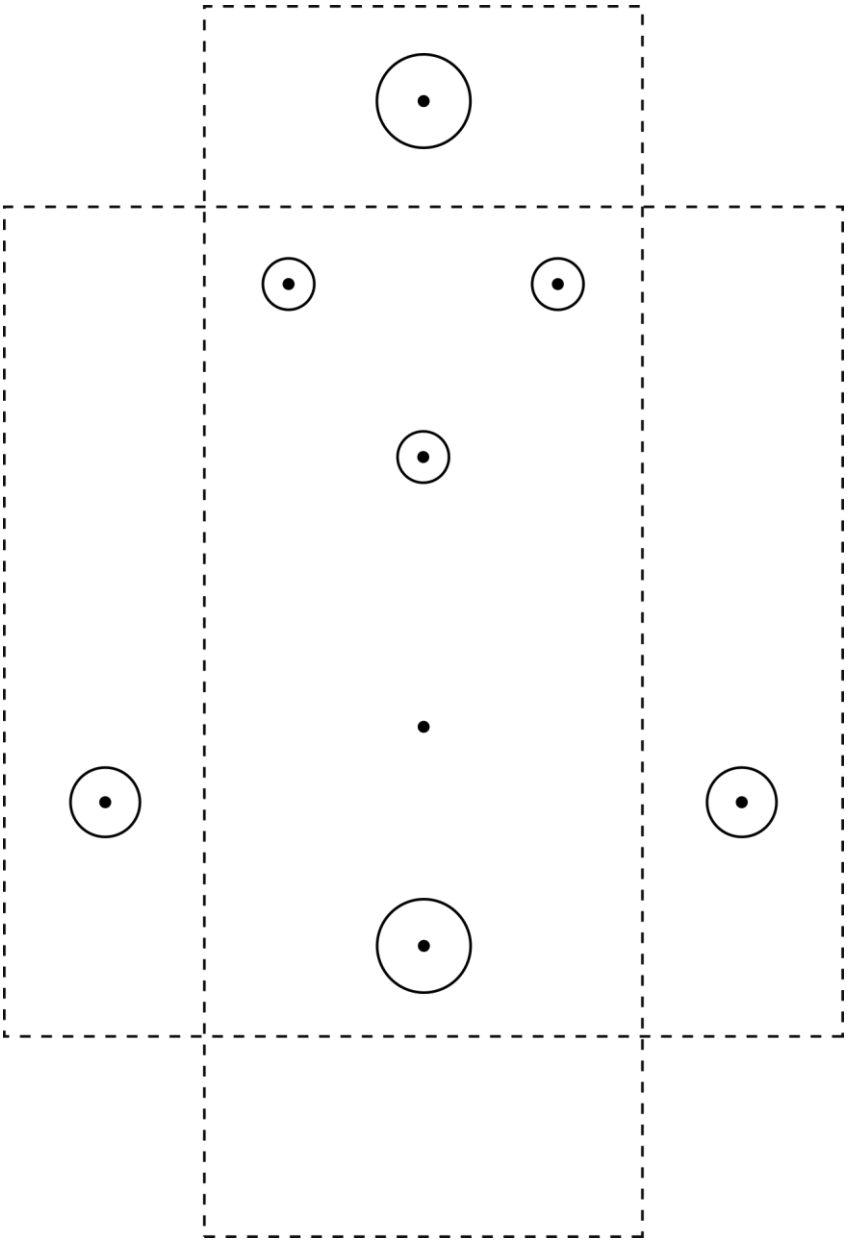


Wiring Guide Notes

This generic wiring diagram covers all required connections, though grounding methods can vary. I personally prefer making **star ground connections to the jack sleeve lugs**, as they are larger and more mechanically secure — but any method that maintains proper continuity is acceptable.

The ground wire connecting the Input and Output jacks is optional but recommended. While not strictly necessary, it adds reliability in case a jack loses contact with the enclosure.

If troubleshooting is needed, you can use a **Digital Multimeter (DMM) in continuity mode** to verify that all ground and signal connections are properly made using this chart.



Drill Template Note

A drill template is included for enclosure layout. Be sure to print at **100% scale** (Actual Size) — do **not** use "Fit to Page."

⚠ **Always verify the template against your actual PCB and assembled build** before drilling.

Attribution

This PCB layout was shared publicly on PCBWay by user **"Glory to Ukraine"**. It's included here solely as a non-commercial bonus project. Thank you for making this available to the DIY community.

Note: 10% of the PCB cost is donated to the designer by the manufacturer.