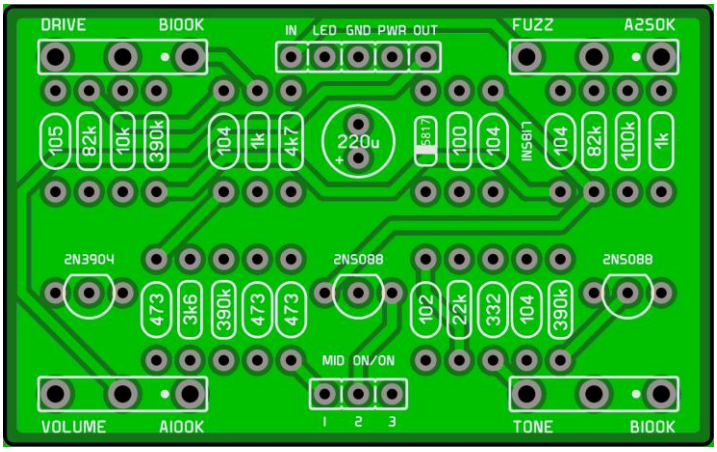
Bonus PCB based on Danelectro Nichols 1966

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

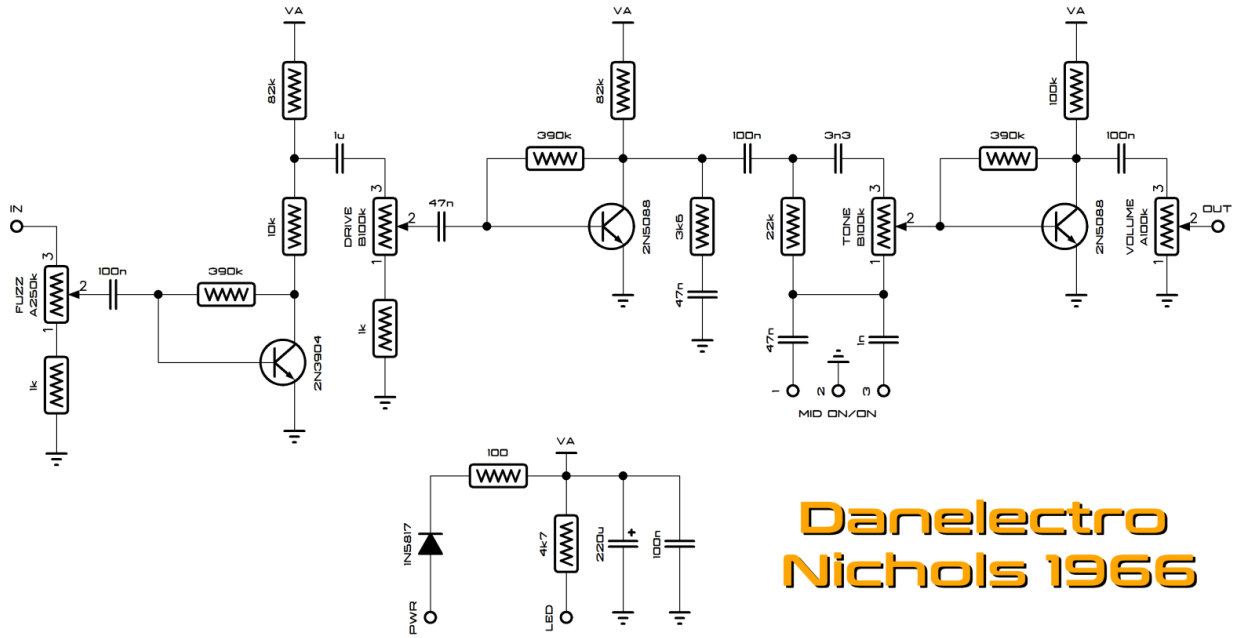
The Nichols 1966 is a distinctive fuzz pedal that blurs the lines between fuzz and overdrive. Designed by Steve Ridinger in 1966, it features a unique 3-transistor circuit that delivers a dynamic range of tones. With interactive controls for Fuzz, Drive, Tone, and Volume, it offers a versatile palette from subtle overdrive to saturated fuzz. The Mid Cut switch provides additional tonal shaping, allowing for a scooped midrange response.

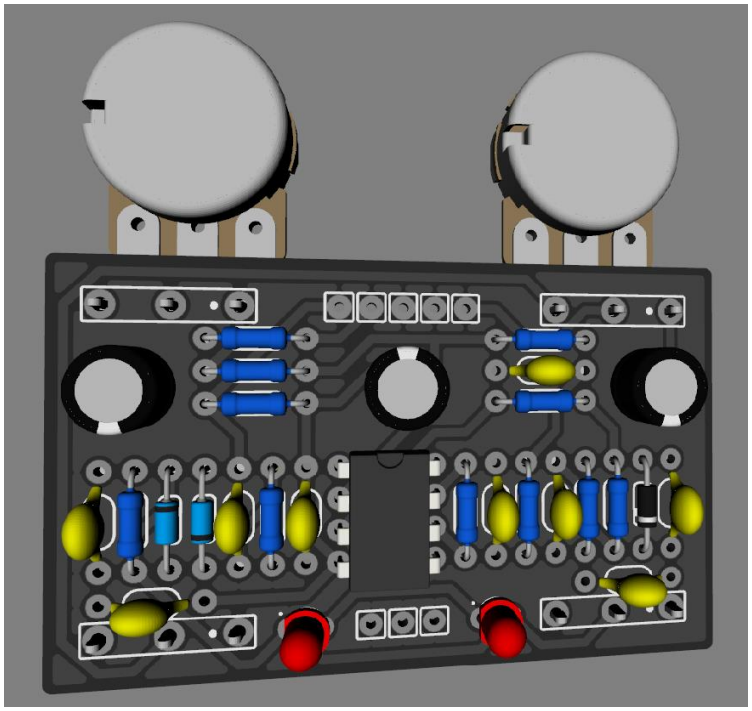
All component values and capacitor codes are printed directly on the PCB. Use this information in conjunction with the provided schematic and reference photos for assembly.

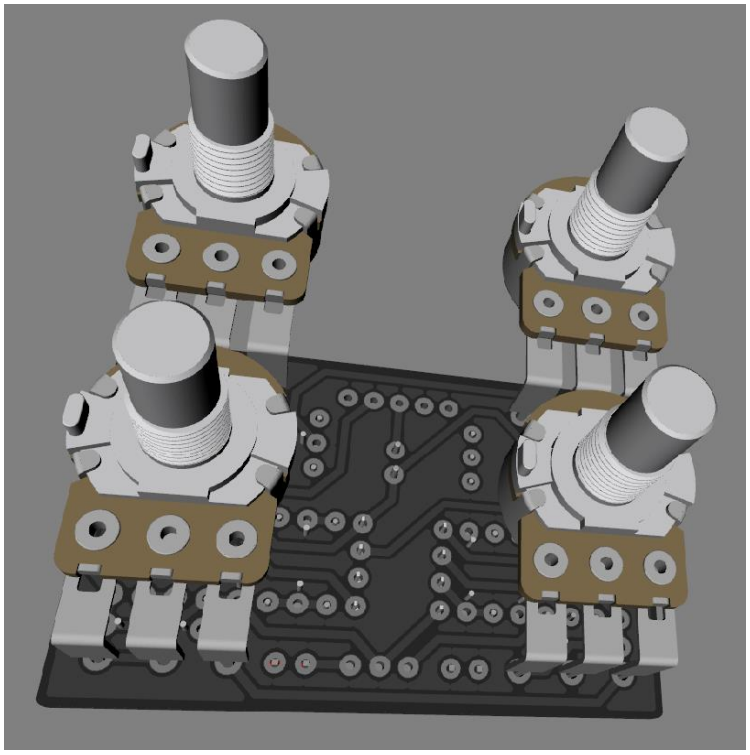


Build Notes:

- An SPDT On/On switch is required and is connected to the 1, 2, and 3 Pads on the PCB.
- The Stripe on the 1N5817 diode indicates the Cathode.

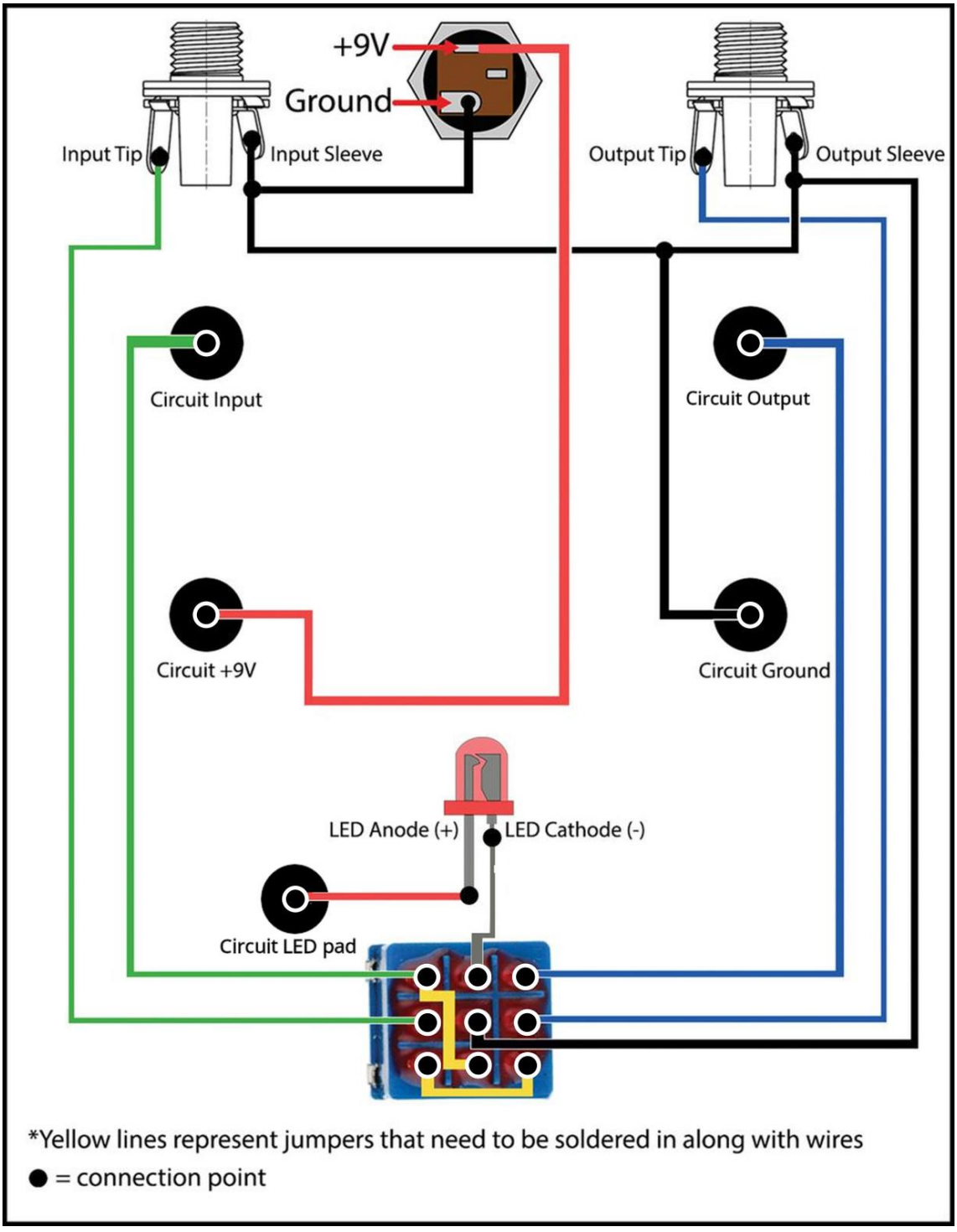






Use the link below to download a handy capacitor code chart:

https://tinyurl.com/capacitor-codes

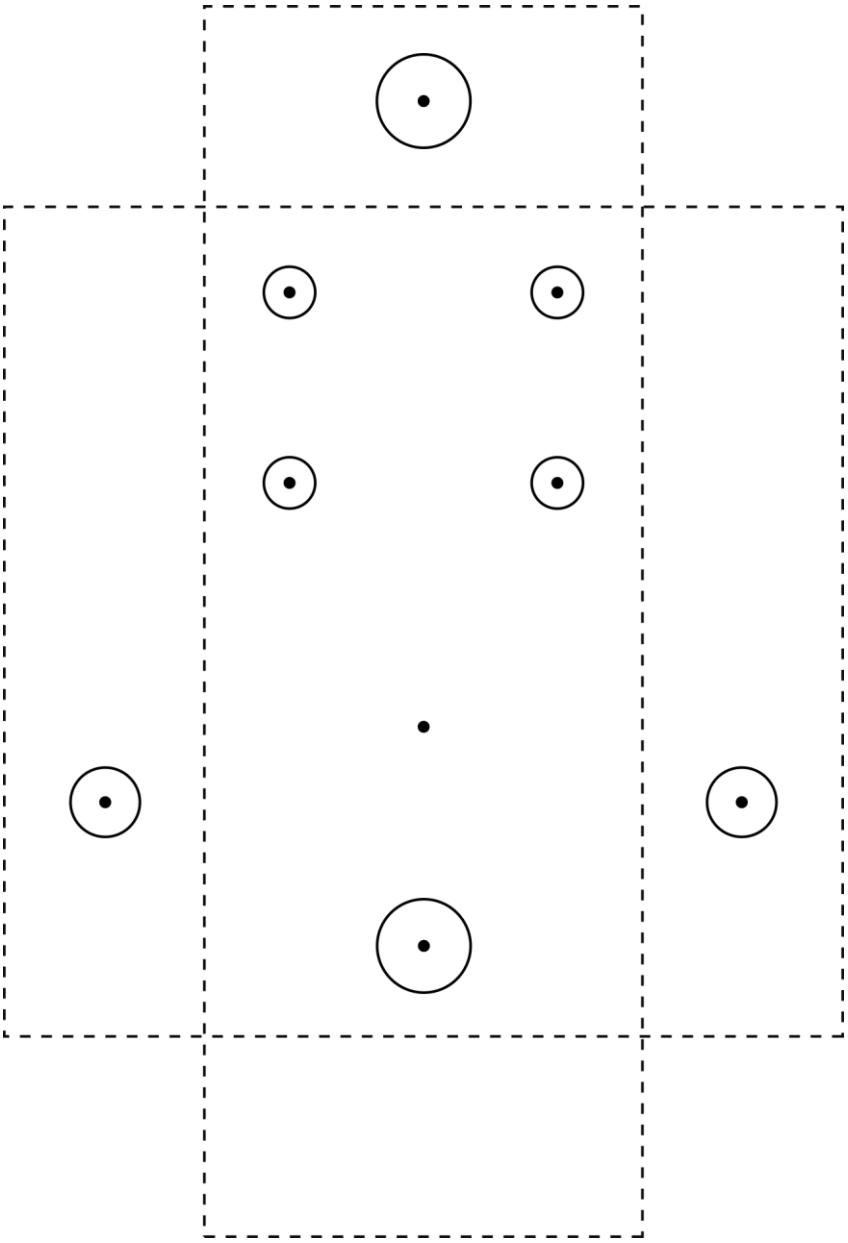


Wiring Guide Notes

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.