

Cream Buffer

Invigorate your signal



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Important notes

If you're using any of our footswitch daughterboards, DOWNLOAD THE DAUGHTERBOARD DOCUMENT

• Download and read the appropriate build document for the daughterboard as well as this one BEFORE you start.

POWER SUPPLY

Unless otherwise stated in this document this circuit is designed to be powered with 9V DC.

COMPONENT SPECS

Unless otherwise stated in this document:

- Resistors should be 0.25W. You can use those with higher ratings but check the physical size of them.
- Electrolytics caps should be at least 25V for 9V circuits, 35V for 18V circuits. Again, check physical size if using higher ratings.

LAYOUT CONVENTIONS

Unless otherwise stated in this document, the following are used:

- Electrolytic capacitors: Long leg (anode) to square pad.
- **Diodes/LEDs:** Striped leg (cathode) to square pad. Short leg to square pad for LEDs.
- ICs:

Square pad indicates pin 1.

Schematic + BOM



*You could try other BJTs but be aware BC549 has the reverse pinout to 2N5088, 2N3904 etc.



Be very careful when soldering the diode and transistor. They're very sensitive to heat. You should use some kind of heat sink (crocodile clip or reverse action tweezers) on each leg as you solder them. Keep exposure to heat to a minimum (under 2 seconds).

If you want to add an ON indicator LED it needs to be wired offboard from the DC socket, with a current limiting resistor inline - we recommend 2K2.

