

### Preparations

The following components should be omitted based on required customization:

- J1 (Power jack)
- J2 (3.5mm input jack)
- J3 (3.5mm headphone jack)

When installing a 1/4" headphone jack, also note that special assembly is required for:

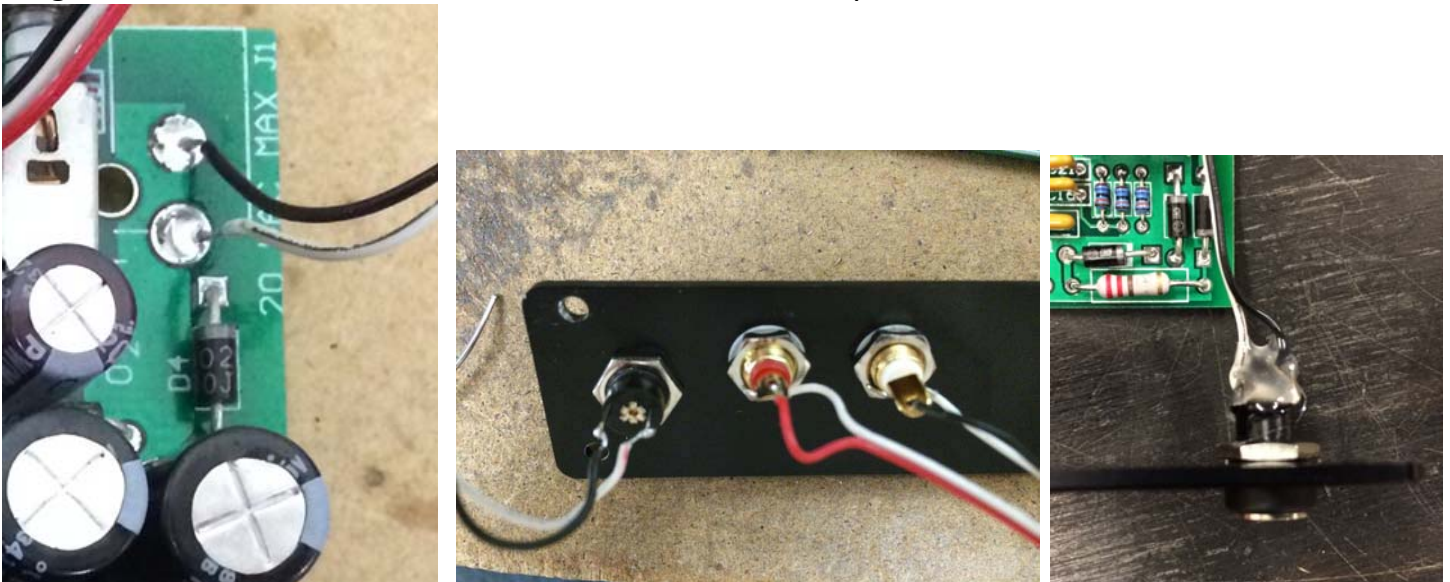
- R10, R11
- C8, C9

### Front Power Jack

Install power jack at J1.

### Rear Power Jack

1) Omit J1. Install an "isolated" power jack onto required rear plate. Connect black wire to longer lead, and white wire to shorter lead. Solder to J1 pins as shown:



2) Apply hot glue to connectors as shown. Let glue dry before installing into case.

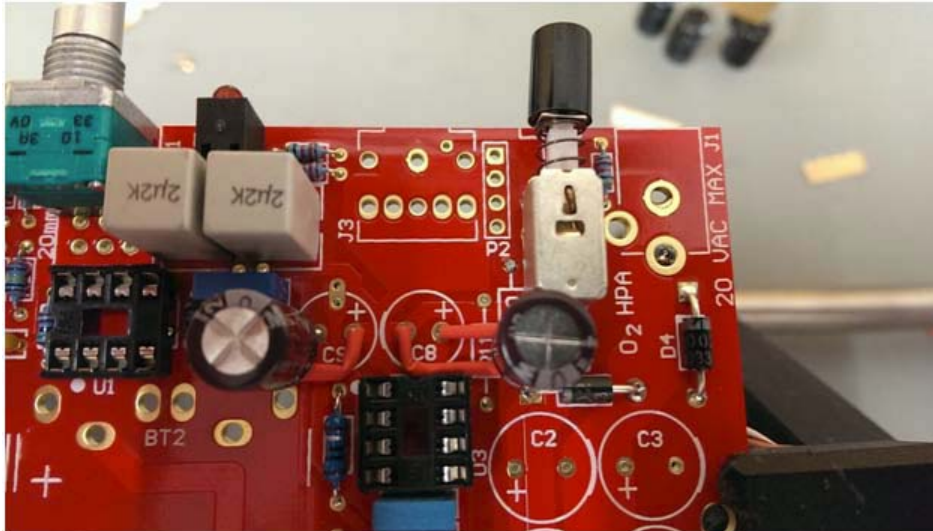
## Standard Headphone Jack

Install audio jack at J3.

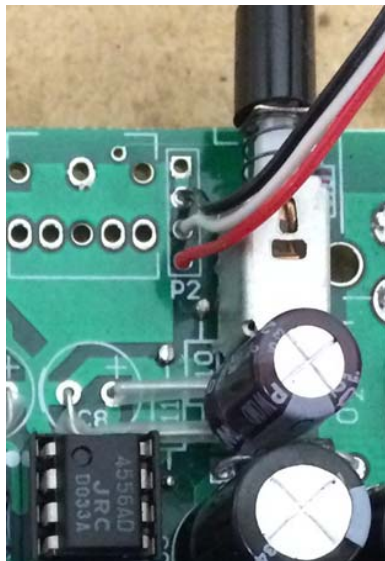
## 1/4in (6.35mm) Headphone Jack

1. Begin by installing resistors **R10** and **R11** on the bottom surface of the PCB.
2. Bend leads of capacitors C8 and C9 and cover with heat shrink as shown in *Figure 1*.
3. Install **C8** and **C9**, then complete remaining assembly of O2+ODAC.

Remember to omit J3.



4. Connect about 3" of wire from Neutrik 1/4in headphone jack to P2. Wire as shown below (L = White, Red = Right, Black = Ground):



Attach headphone jack to front plate after completing all other assembly. Black nut is secured by a compression fit. With jack & nut installed on front plate, use table surface to apply pressure to nut. After nut snaps in place, gently rotate 1/4 turn clockwise.

## Standard 3.5mm Input

Install audio jack at J2.

## Rear RCA Input

1. Omit J2.
2. Mount RCA jacks with paper washers on required rear plate.
3. Connect wires from RCA jacks to empty J2 pins as shown (ignore ODAC...):



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## Standard Gain

- $R_{17}$  and  $R_{21}$  = Default = 1 k $\Omega$
- $R_{19}$  and  $R_{23}$  = Default = 274  $\Omega$

## Medium Gain, 1.0 and 3.5x

- $R_{17}$  and  $R_{21}$  = NONE
- $R_{19}$  and  $R_{23}$  = 604  $\Omega$

## Low Gain, 1.0 and 2.5x

- $R_{17}$  and  $R_{21}$  = NONE
- $R_{19}$  and  $R_{23}$  = 1 k $\Omega$  (normally  $R_{17}$  and  $R_{21}$ )