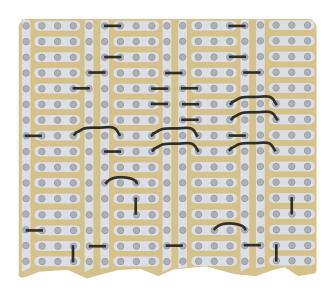
Grado A47 Headphone Amp Assembly and Schematic by Benjamin Feist bf@feistworks.com Based on The Apheared 47 amplifier as seen on headwize.com

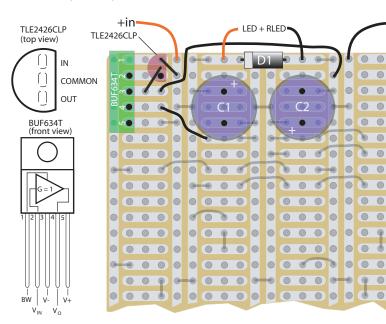
This headphone amplifier is ideal for driving Grado (www.gradolabs.com) headphones or other low impedance headphones (33-50 Ohms). It has a gain of roughtly 6 with the resistor values as shown. The OPA2134 chip was chosen after trying many others in this topology--IMHO it sounds the best. All parts can be ordered from digikey.com. See tangentsoft.net for information on parts selection for the Cmoy Amp--almost all of the parts are the same as those needed for this amp. It is best to drive the amp with 15-20V. A wall wart works well if you don't need portability. Good Luck!

1. Cut a piece of protoboard as shown below. Radio Shack #276-150. Add jumpers as shown. 2. Add the power circuit.

The TLE2426CLP and BUF634 pin layout are provided to the left of the diagram below. TLE2426CLP is missing pin 8 from the CP package shown in the schematic. Ignore this. Battery and power switch not shown.

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3. Add the audio circuit.

