

CAPI VP28 Rev B Addendum

****Overview****

The basic reason for changes that became the Rev B version was to simplify the build. The changes are not major and will yield no audible differences. The original build guide is very relevant and still recommended. 'Chunger's excellent photo documentary is also highly recommended. As long as you fully understand what is different you will do just fine. The most important thing is to **make sure you follow the current Rev B BOM!**

****The Details****

1. The biggest change on the PCB is the simplification of the signal present circuit. Some folks botched that section of the previous build for some reason. Less parts will make for a much higher success rate. I am aiming for 100%.
2. The DIP8 socket is no longer supplied for the signal present IC. Make sure you install the chip in the right direction. There is a closeup pic near the bottom of the VP28 product pages.
3. 10 Ω damping resistors have been added to the opamp supply rails. This way if you have a problem opamp (like swapped output transistors), one of these 10 Ω R's will smoke before it takes down your main PSU.
4. Test Points have been added to make following signal thru the audio path of the VP28 easier.
5. The method of switching in the resistive u-pad for Mic/Line has been changed. This means that a 4PDT switch can be used instead of the 6PDT. This also eliminates the zero Ω jumper R's.
6. Labels have been added under the discrete opamps so there will be no questions on what their duties are.
7. The first stage output transformer has been rotated to make the wiring a little easier. The pad order for both output's flying leads have been changed to match the EA2623-1. This makes for a much cleaner/neater look. The supplied heat shrink is not really needed unless you go with the Litz output option and want to use it.
8. A dedicated VP28 HPF PCB has been created. We previously used the 553F HPF board since they are very close to the same thing.

