

CAPI LC53A 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 should yield very small (if any) 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's!**

****Main PCB****

1. The biggest change on the main PCB is the simplification of the -6dB receiver circuit. The changes and use of precision resistors make the CMRR adjustment no longer required.
2. 10Ω damping resistors have been added to the opamp supply rails as well as the power rails that supply the CB PCB.
3. Test Points have been added to make following signal thru the audio path of the LC53A easier.

****Cut / Boost PCB****

1. The biggest change on this board is the simplification of the way the DTO5 opamps and discrete follower assemblies connect to the PCB. Many folks had trouble loosening and/or soldering in the small pins and sockets. The .1" breakaway headers will make this part of the build much easier. Removing the small amp boards will not be as easy since desoldering will be required. The suggestion there is don't mess them up!
2. Test Points have been added here as well for the main audio path.

****LC-EP PCB****

1. Nothing much has changed here with the exception of a slightly simpler circuit to switch the LC networks on and off.

