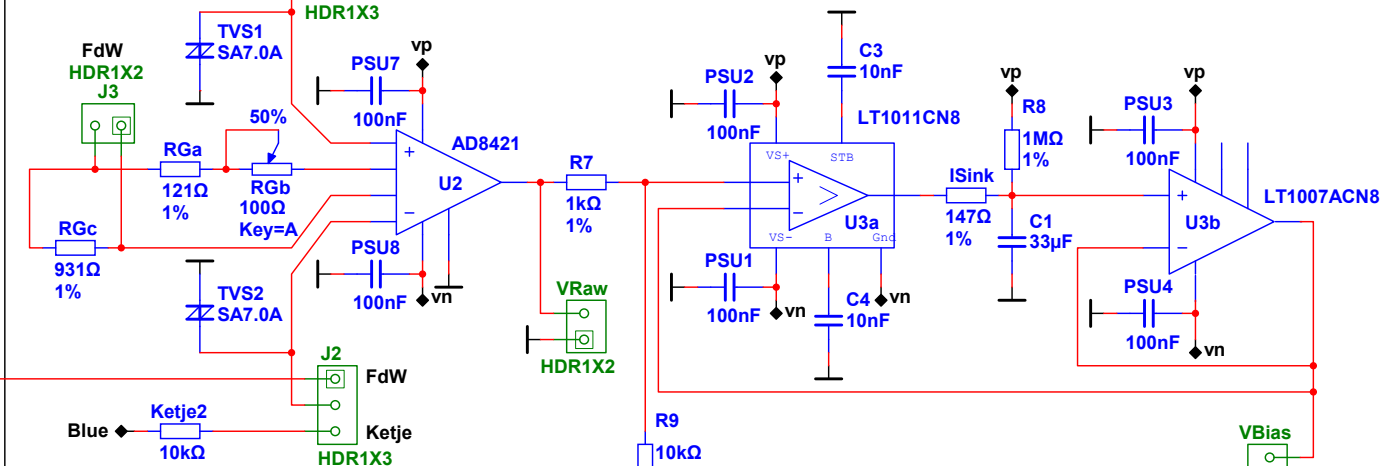
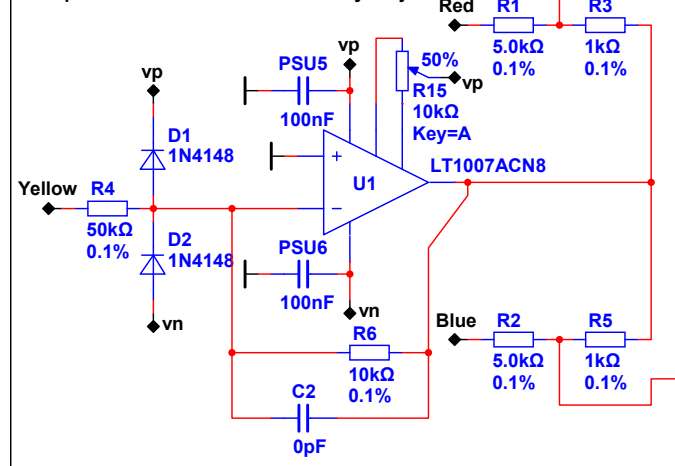
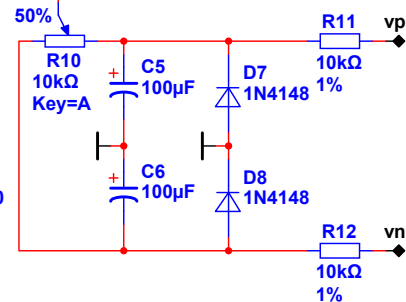
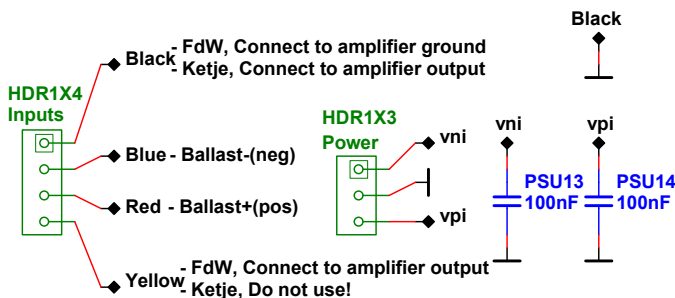


Components in box not needed if only Ketje



J1/2/3 Connect pin 1 to 2 on all 3 headers for method 'FdW' (full circuit). Connect pin 2 to 3 and leave J3 open for method 'Ketje' (small circuit). If the full circuit has been build then the jumers can be used to select method.



R-Ketje1 and 2 may or may not be installed (see AD8421 datasheet) The current values (10k) are kind of middle-of-the-road one may for safety select a higher value, or for less noise (but it is not a lot) lor a lower value. [Note: if a low value is selected then one may need to remove the TVS's.

See <http://www.diyaudio.com/forums/solid-state/308443-measure-dc-bias-operating-class-ab-amplifier-19.html#post5101233> post #190 for 'method-Ketje' :)

100 Trimmer PV37W101C01B00
10k Trimmer PV37W103C01B00

The method 'Ketje' does not subtract the audio signal form the measurement signal, and it does not produce a ground referenced (relative to the amplifier) measurement result. In addition, the method 'Ketje' forces the instrumentation amplifier into deep (very deep :) clipping this may be an issue.

The method 'Ketje' does not need any 0.1% (expensive) resistors, uses one opamp less and may be a tiny bit faster.

Also the method 'Ketje' may be a tiny bit more precise when measuring amplifiers under no or a light load, but this is not within the original scope of the project (that is to measure under 'any' load).

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Size: A3	Document N: 0001	Revision: 1.0
Date: 2017-06-11	Sheet 1 of 1	