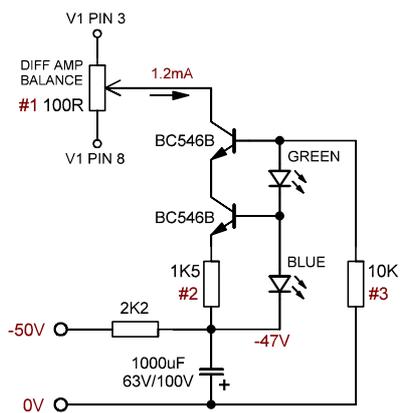


### BABY HUEY DIFF AMP CCS



#### NOTES:

#1 A single turn Bourns pot is suitable. Adjust it to get equal anode voltages on V1.

#2 Change this 1K5 resistor to alter the CCS current. 1.0 to 1.4mA current flow is acceptable. The CCS current flow affects the voltage at the V1 anodes. Aim for 180V to 200V at the anodes, however 160V is OK. e.g. increase the resistor value to lower the current and raise the V1 anode voltages.

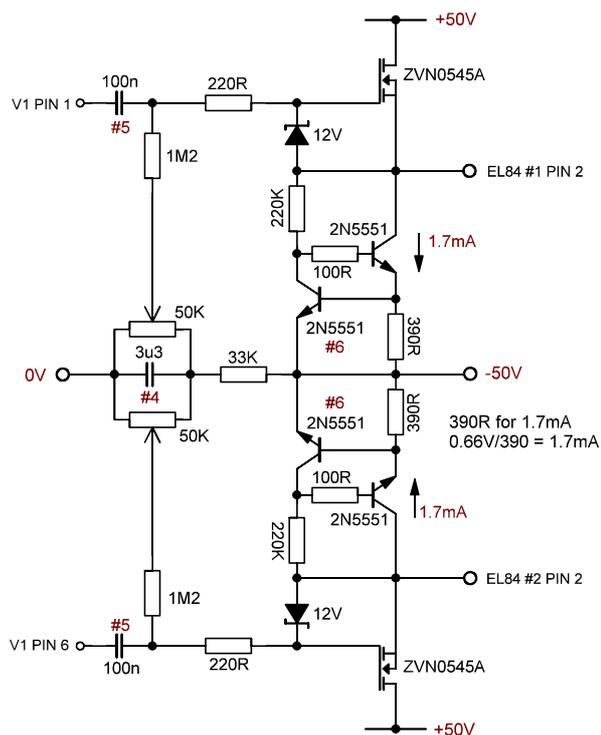
#3 This 10K resistor sets the LED current, 2mA is enough. Change it (if needed) to suit the voltage of the negative rail.

#4 Use polypropylene or polyester cap, value 2u2 to 4u7 is OK, 63V or 100V OK.

#5 400V min, but 630V would be a better choice. Polypropylene preferred.

#6 Use 2N5551 or MPSA43 or similar, need Vce 150V to 200V.

### BABY HUEY FIXED BIAS AND SOURCE FOLLOWER CCT



#### OTHER NOTES:

-36V to -50V is suitable for the -V rail and +25V to +50V is suitable for the +V rail.

The bias rails supply approx 7mA/channel, i.e. approx 14mA for a stereo amp.

The data for this sheet was compiled from posts on a diyaudio.com thread "EL84 Amp - Baby Huey". Many thanks to OP Ian (gingertube) for his unending patience and sharing.

This sheet drawn up Jan 2023. I.B.