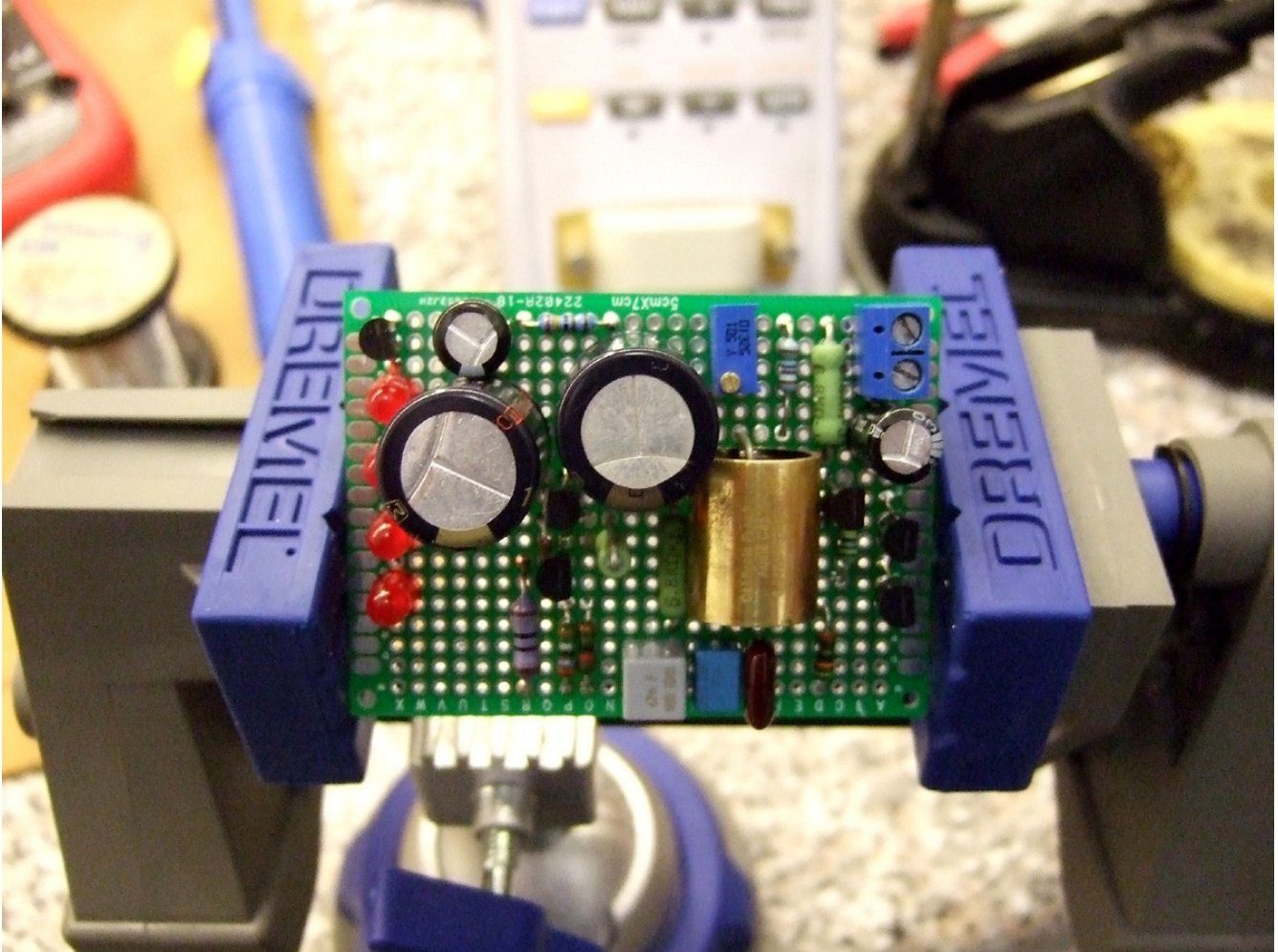
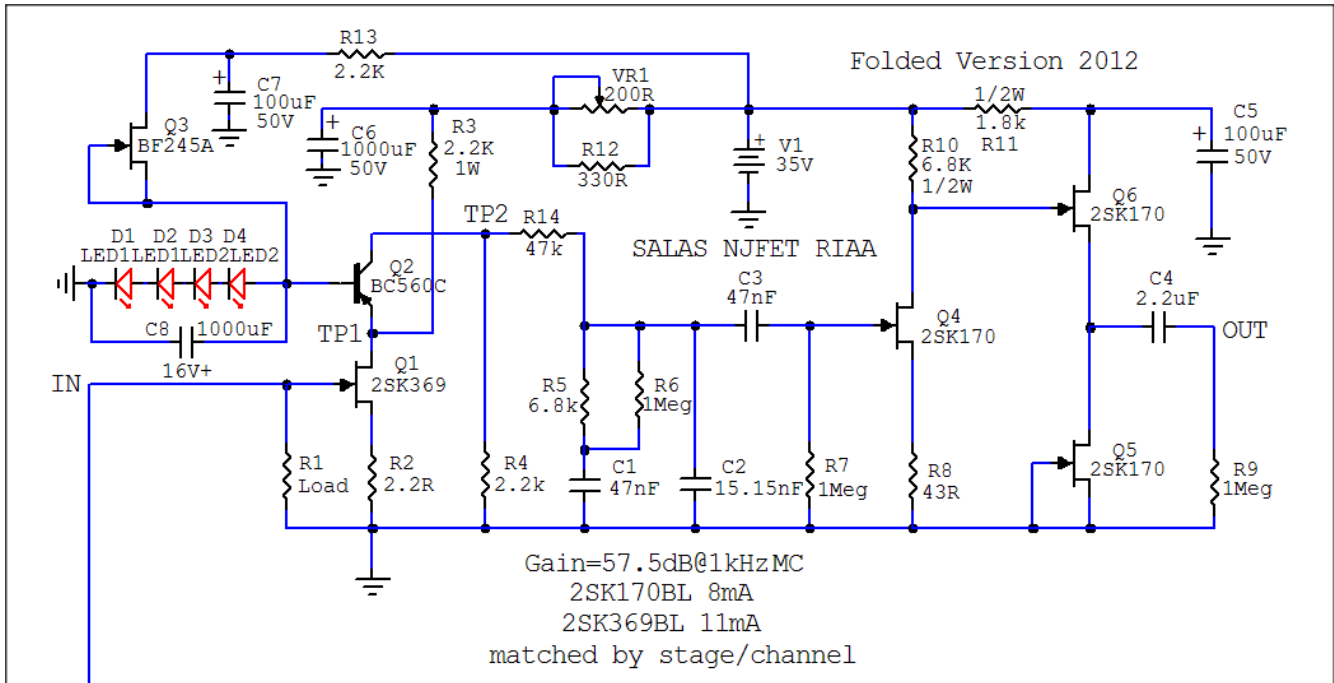


Salas Simplistic NJFET RIAA 2012 Folded Cascode Version



This is a short note to a regular MC input RIAA preamp circuit as in page 2. Points of concern:

1. DCV TP2 to GND must be set at $\frac{1}{2}$ the DCV TP1 to GND by turning VR1.
2. D1-D4 are 1.9V red LEDs. Each quartet must be matched to same total Vf.
3. R6 is to bring a precise 6.8K R5 to 6.75K. Alternatively, use just a low reading R5.
4. C2 is a combination of a 15nF MKP plus a silver Mica to reach 15.15nF on LCR meter.
5. R1 load value regards your MC cartridge. R14,R5,C1,C2 shall be precision parts.
6. Salas SSLV1.1 shunt regulators were used with this in double mono and are recommended.
7. Do not disconnect any regulator from this phono until its rail voltage is well drained.
8. For the photographed prototype the output coupling capacitor C4 was chosen to be installed outboard. Using larger PCB can host a comparably short layout plus that capacitor.
9. Q5, Q6 should be close in IDSS. The lower value one should be used as Q5.
10. General construction tips can be found in the previous versions 11.02.F0 PDF guide.
11. This circuit is to be made hardwired on matrix boards. No third party PCB is allowed to be issued unless authorized.



Schematic diagram

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