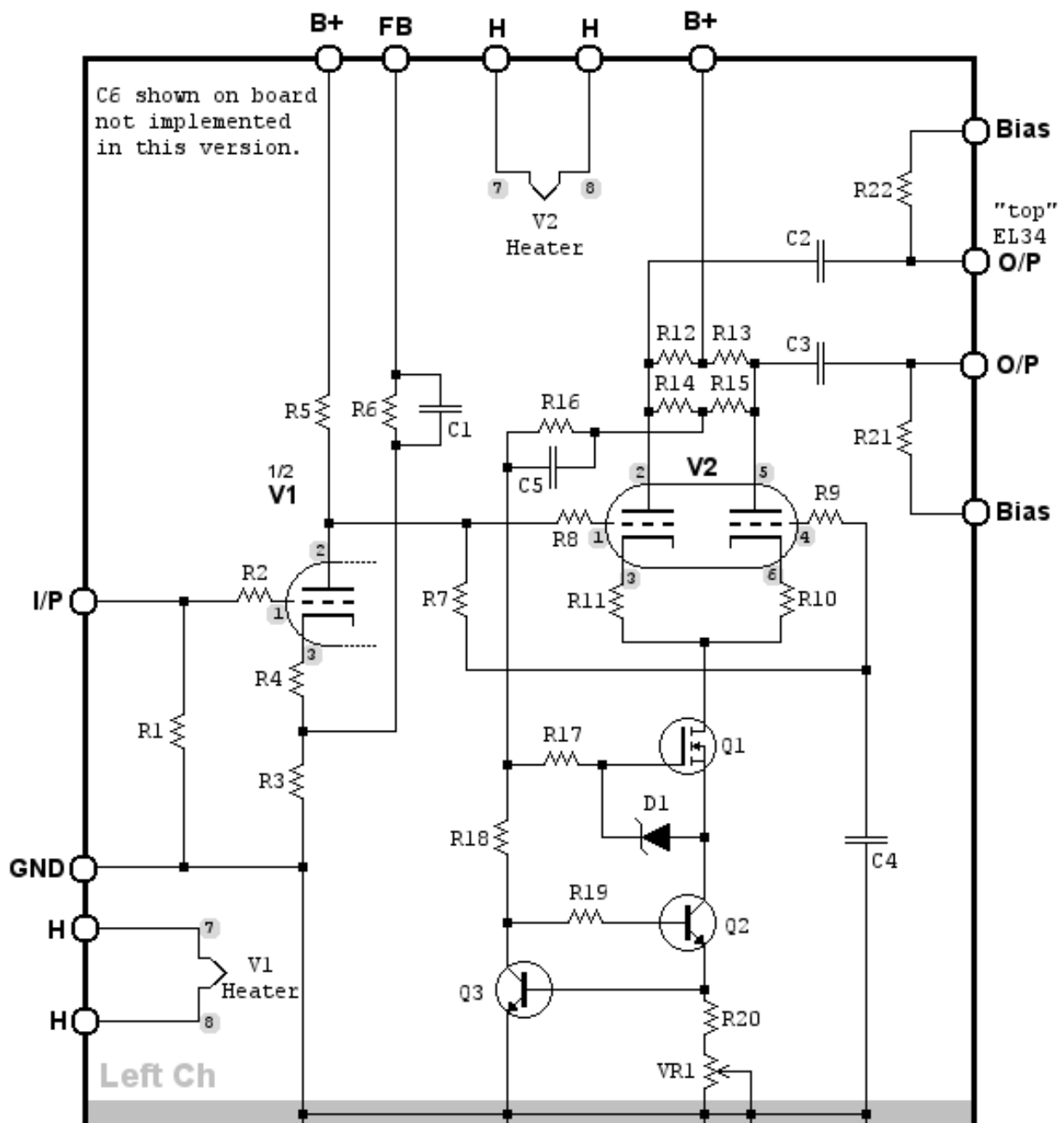


## Schematics



## **Parts Values** **(each channel)**

### **Resistors:**

(all ½ W, 5% unless noted)

R1, R7 – 1Meg

R2, R8, R9, R17, R19 – 220 ohms

R3 – (NFB resistor. 47 ohms I would say is maximum and gives 18dB NFB. High D.F. for hard to drive speakers (like 3-ways), but for 2-ways or full-rangers, I'd start around 22 ohms and tweak to taste from there. (one for each channel))

R4 – 1.2K

R5 – 100K

R6, R10, R11 – 1K

R12, R13 – 22K, 2W, metal oxide

R14, R15 – 47K

R16 – 470K, 2W, metal oxide

R18 – 10K

R20 – 20 ohms

R21, R22 – 150K

VR1 – 100 ohms trimmer (Digikey CT6EP101-ND or equiv.)

### **Capacitors:**

(voltage ratings can be higher than listed)

C1 – 1.5n, 50V film

C2, C3, C4, C5 – 100n/630V film (polypropylene preferred here. 716P Orange Drops are great)

C6 – (not implemented on this schematic version)

### **Semiconductors:**

Q1 – IRF 710

Q2, Q3 – 2N2222, 2N4401, etc.

D1 – 1N4739A, 9.1V zener

### **Misc:**

- Heat sinks for Q1. Aavid Thermalloy 504222B00000G, Digikey HS104-2-ND or equiv.
- Insulating pad/hardware if you want the sinks electrically isolated.