

How to Mini³fy the PINT amplifier

1. Make the cut as shown in *figure 2*
2. Jumper pins 6 and 7 of the ground op-amp as shown in *figure 2*
3. Solder R4 and C3 (stack them together) to the C3 position – **Update:** leave the R4 position on the top of the board empty.
4. Solder L1(L), L1(R) and L1(G) like normal in the positions indicated by the silk-screens on the PCB
5. Replace the input capacitors (C1R and C1L) with 1K Ω 1/8W through-hole resistors (non SMD)
6. Change R3 and R4 for a desired gain listed in *table 1*

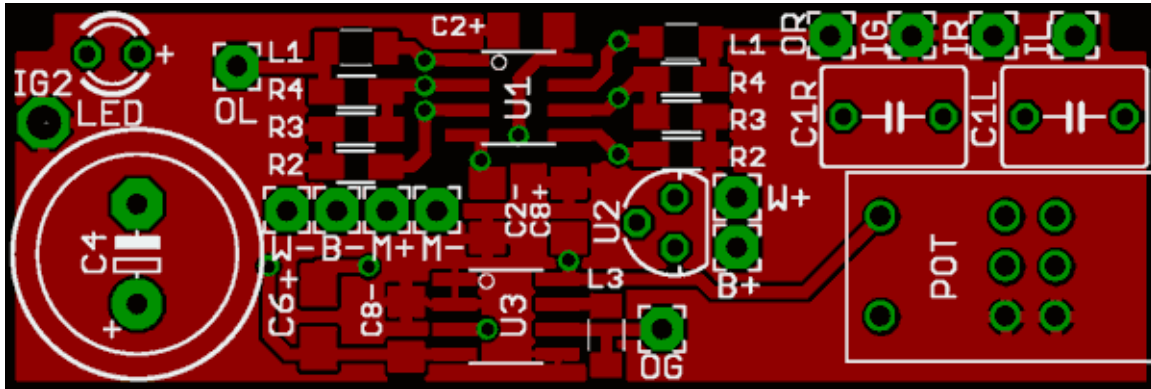


Figure 1: Original PINT board

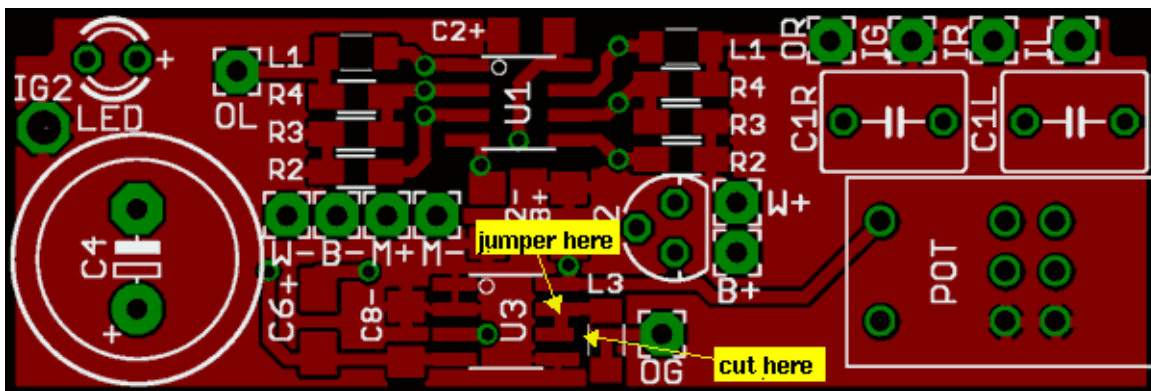


Figure 2: Modifications

Table 1: R3 and R4 Values for Different Gain

Gain	R3	R4
2	2k	2k
3	1.5k	3k
4	1.33k	4k
5	1.25k	5k
6	1.2k	6k
11	1.1k	11k

For clarity:

Steps 1 and 2 deal with relocating the ferrite bead (of the ground) to the outside of the feedback loop. Step 3 allows the two other ferrite beads (of the left and right channels) to be relocated outside the feedback loop.

Good links:

<http://www6.head-fi.org/forums/showthread.php?t=173192>

<http://www6.head-fi.org/forums/showthread.php?t=171594>