Using fixed power supplies – Part 2

I published an article in the April 2024 publication of Practical Wireless Magazine.

Electronic viewing of the magazine, as part of a subscription, is here: https://pocketmags.com/eu/practical-wireless-magazine

As necessitated by space constraints the photos in the article might be a little small to be of any use for some readers.

So here are each of the graphics and photographs in high resolution.

Samuel

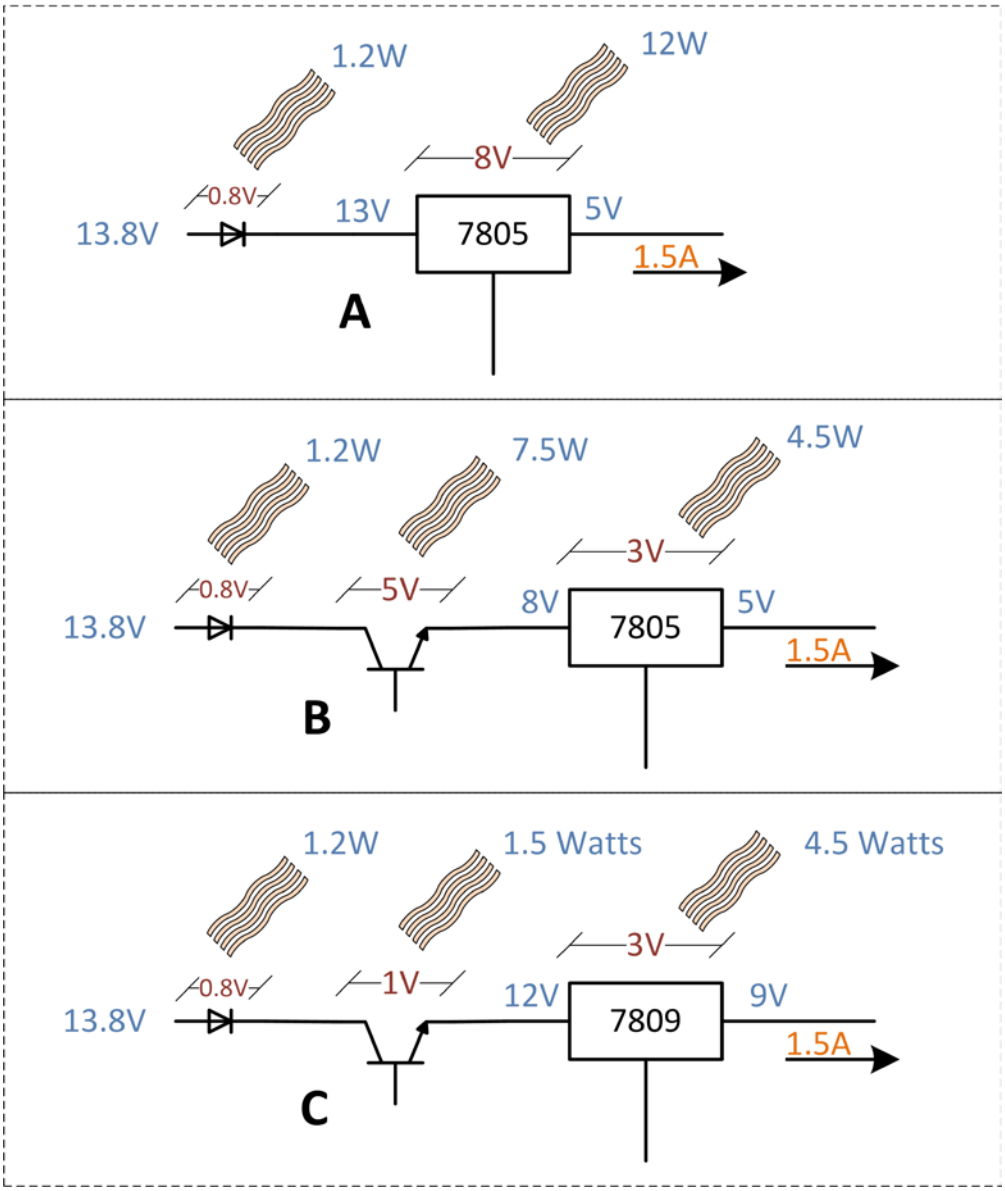

Figure 1. Voltage drops and watts

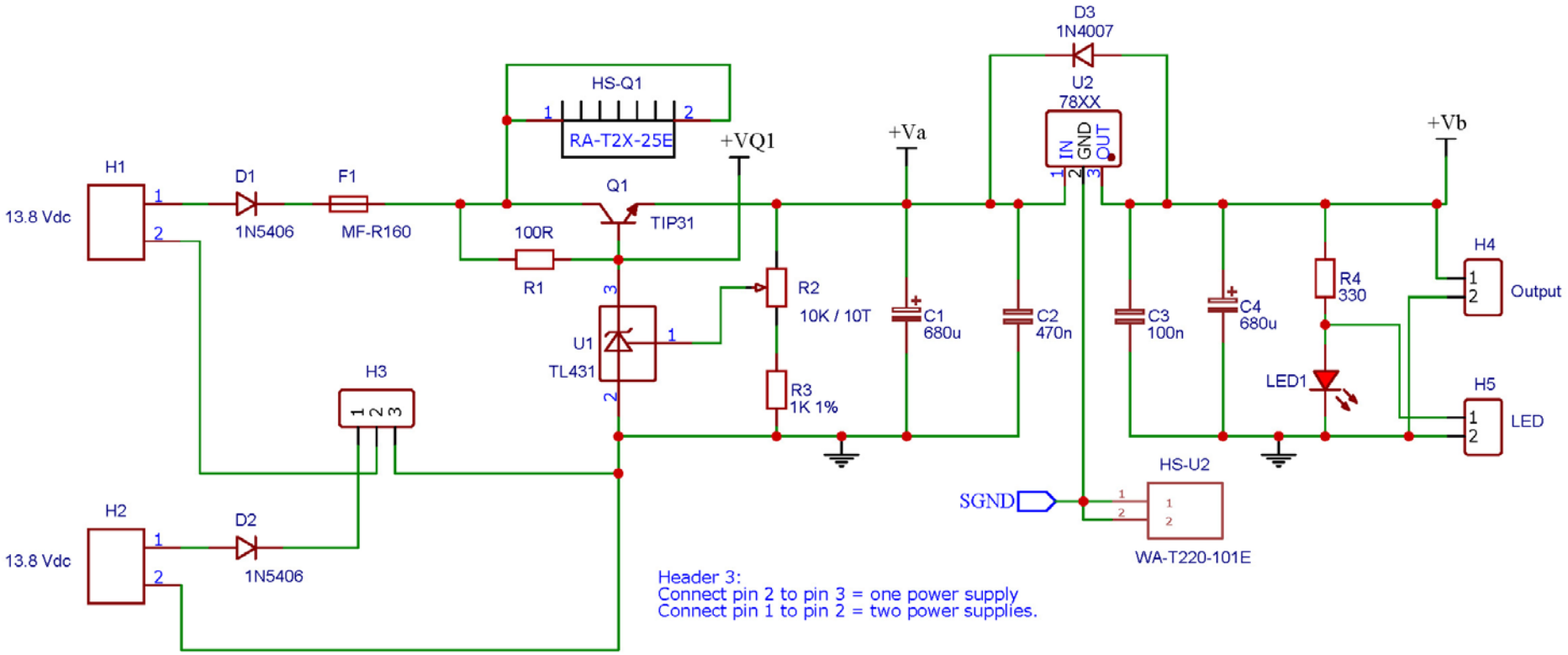

Figure 2. Generic circuit to generate fixed voltages

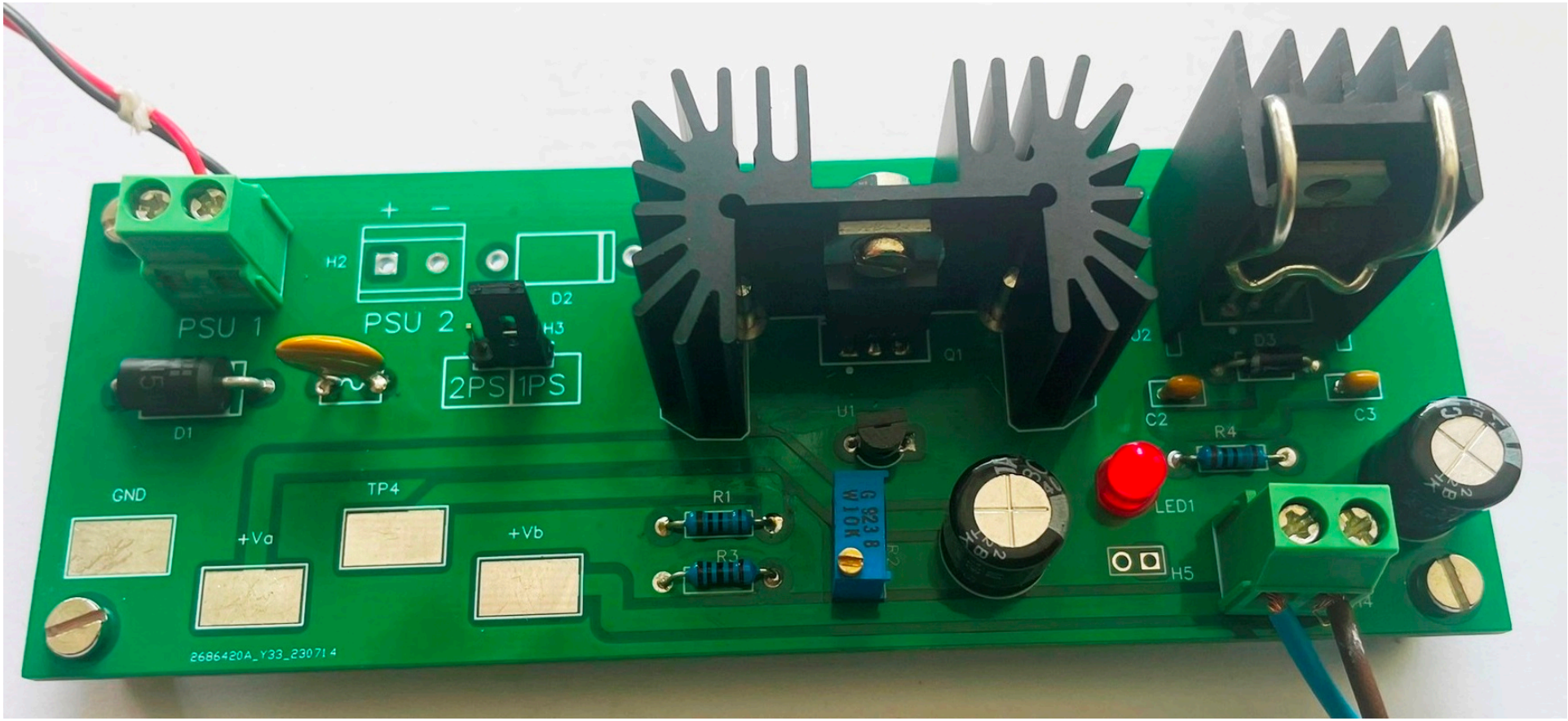

Figure 3. Fully assembled PCB to supply 5Vdc at 1.5 amps.

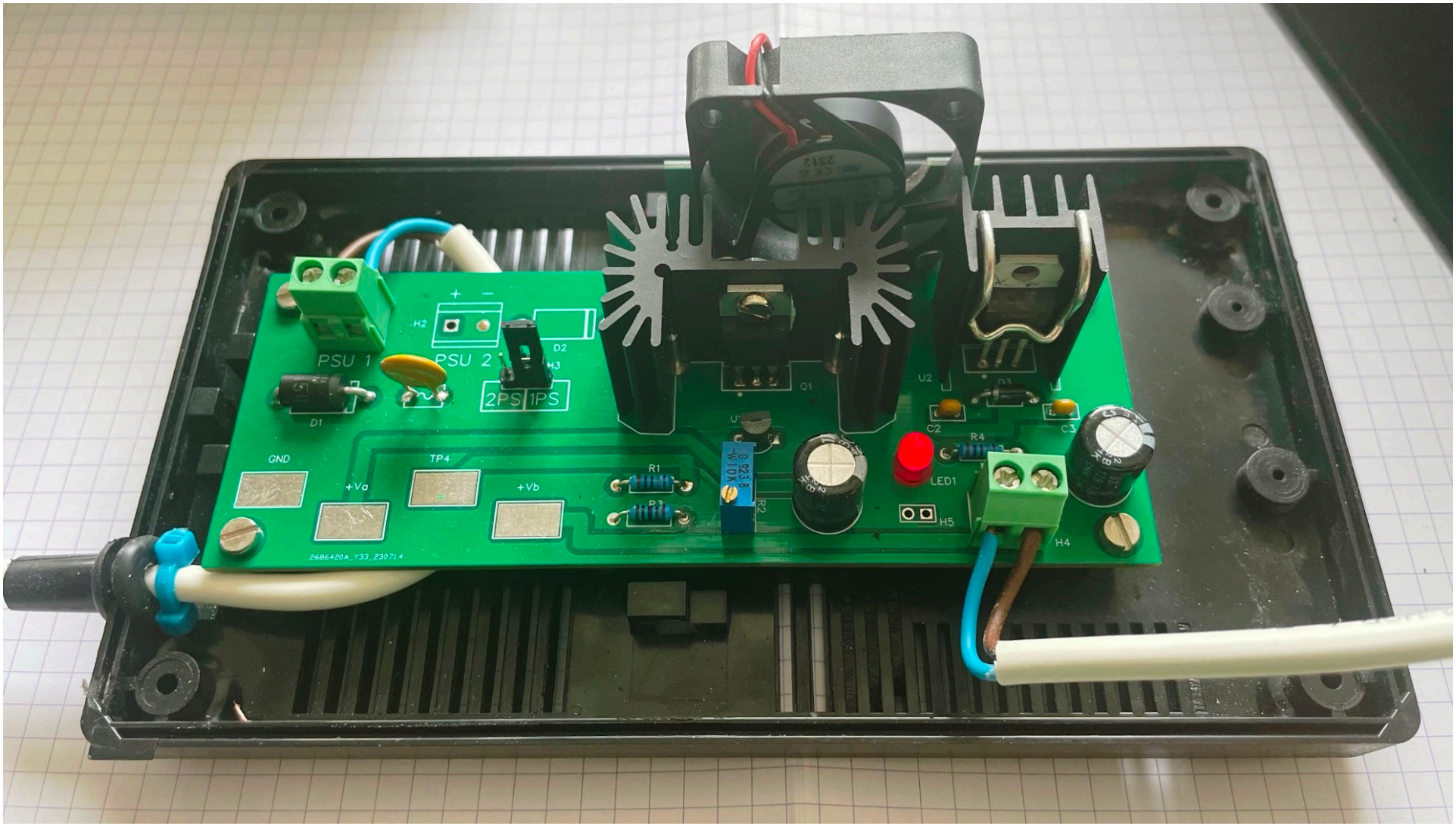

Figure 4. PCB and fan mounted in enclosure

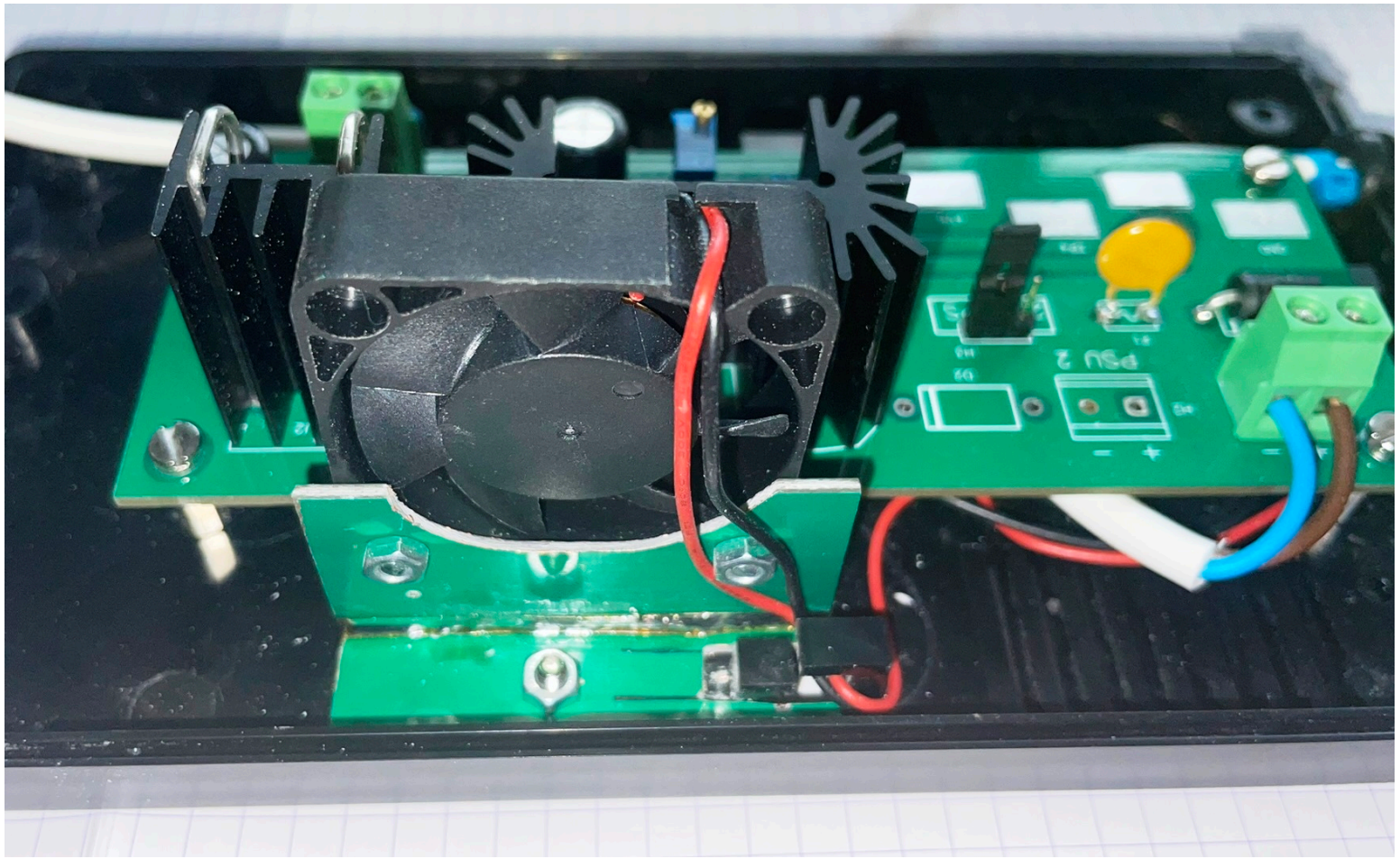

Figure 5. Close up of mounting the fan.

Figure 6. 5V fixed power supply connected to the Maplin fixed power supply.

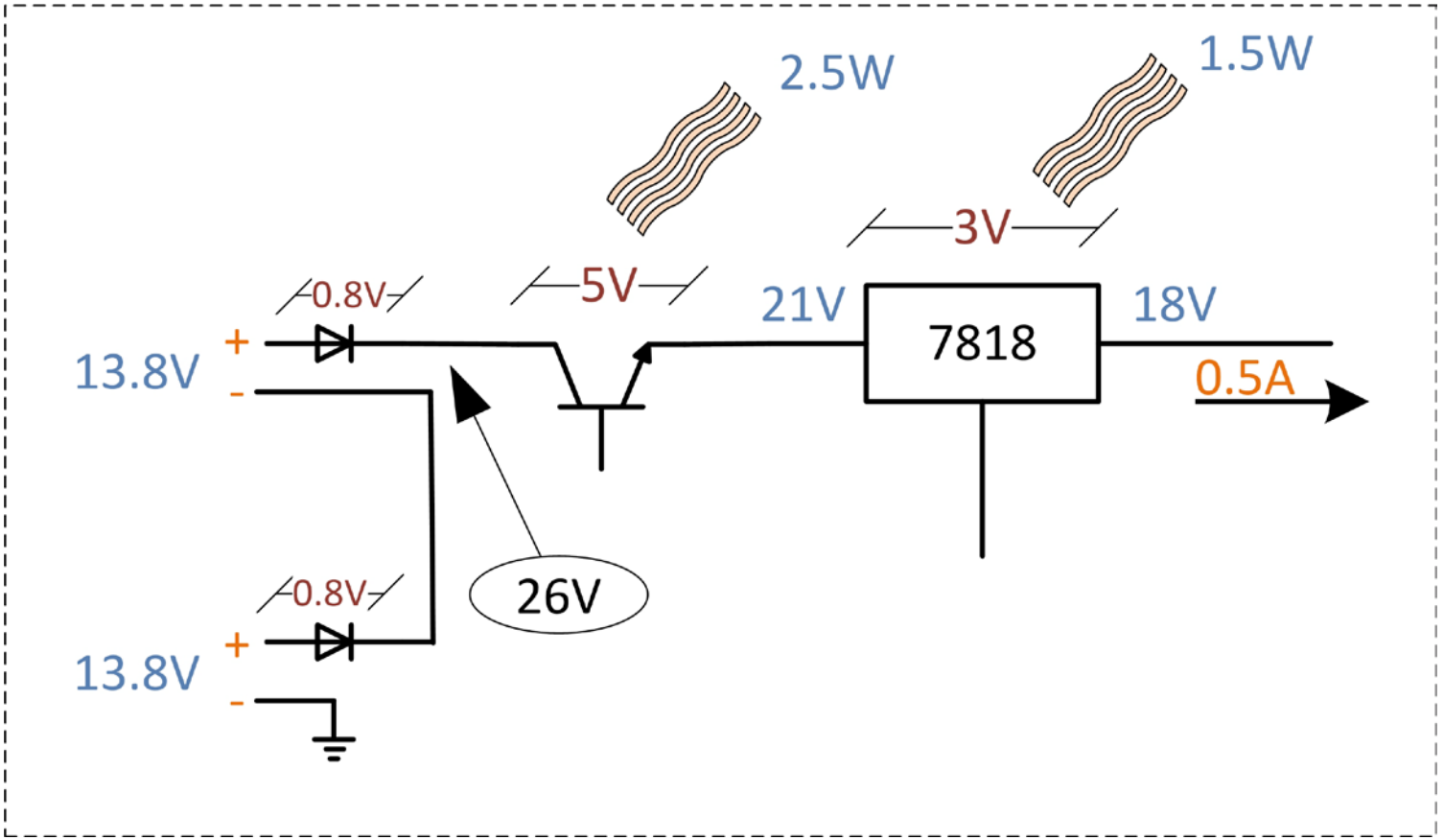

Figure 7. Voltage and watts budget for an 18V (0.5A) fixed PSU.

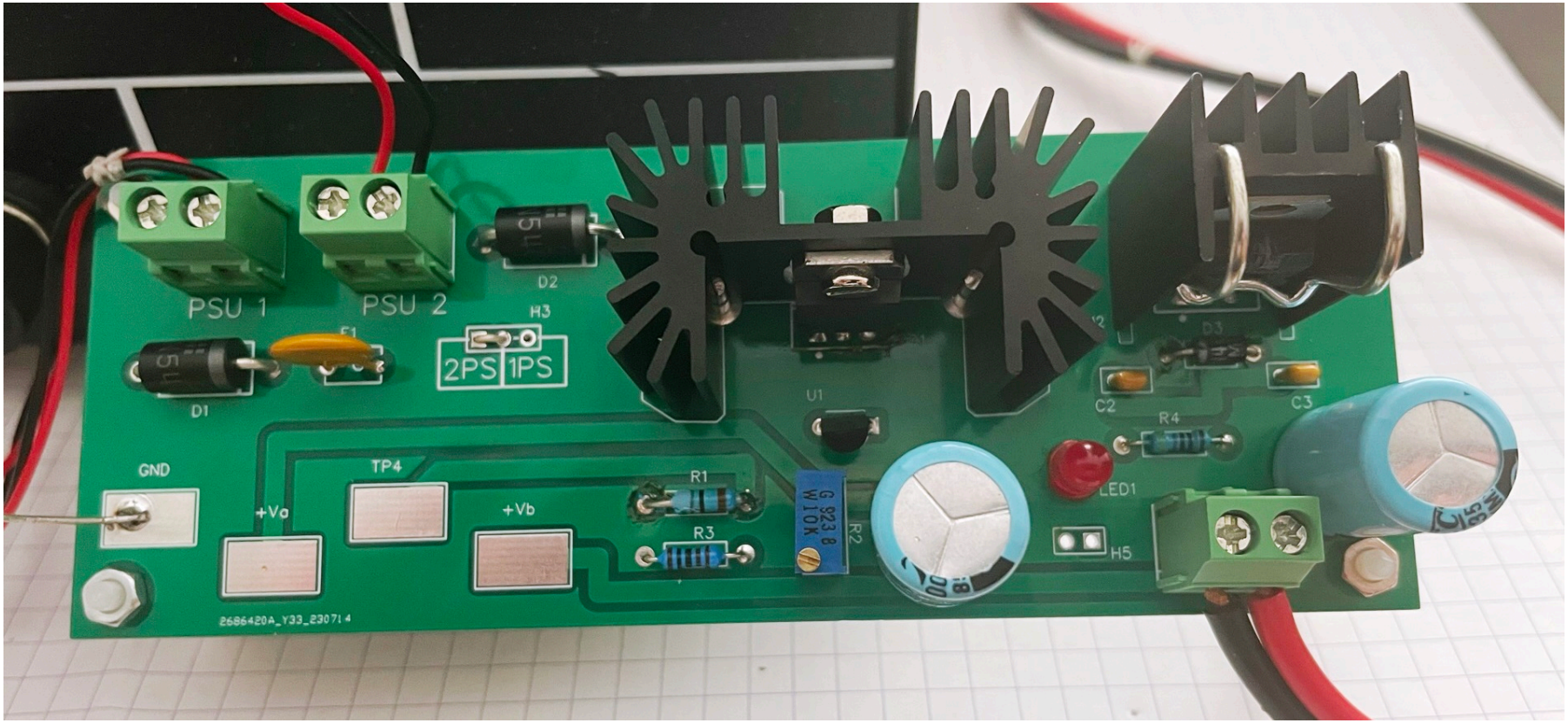

Figure 8. Fully assembled PCB to supply 18Vdc at 0.5 amps.

Figure 9. Using two fixed power supplies in series.

Figure 10. Inside the dual power supply enclosure.

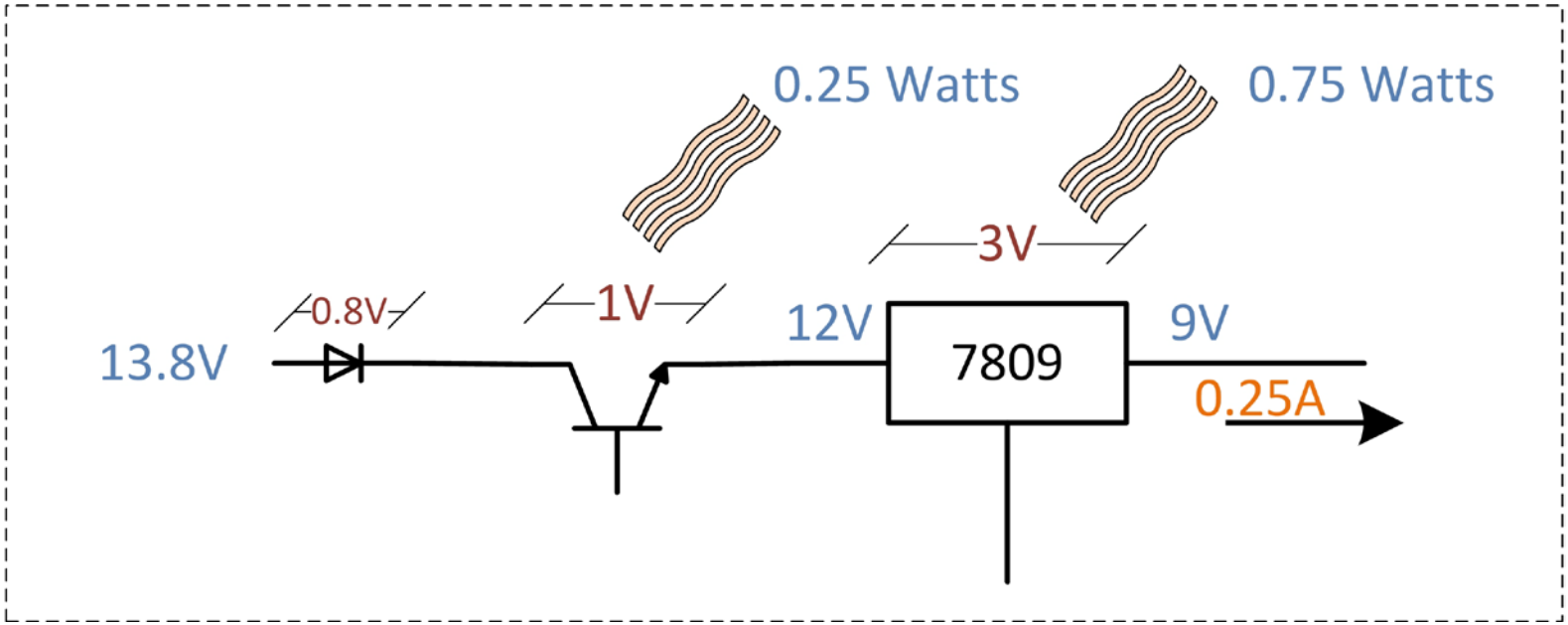

Figure 11. Voltage and watts budget for each 9V (0.25mA) fixed PSU.

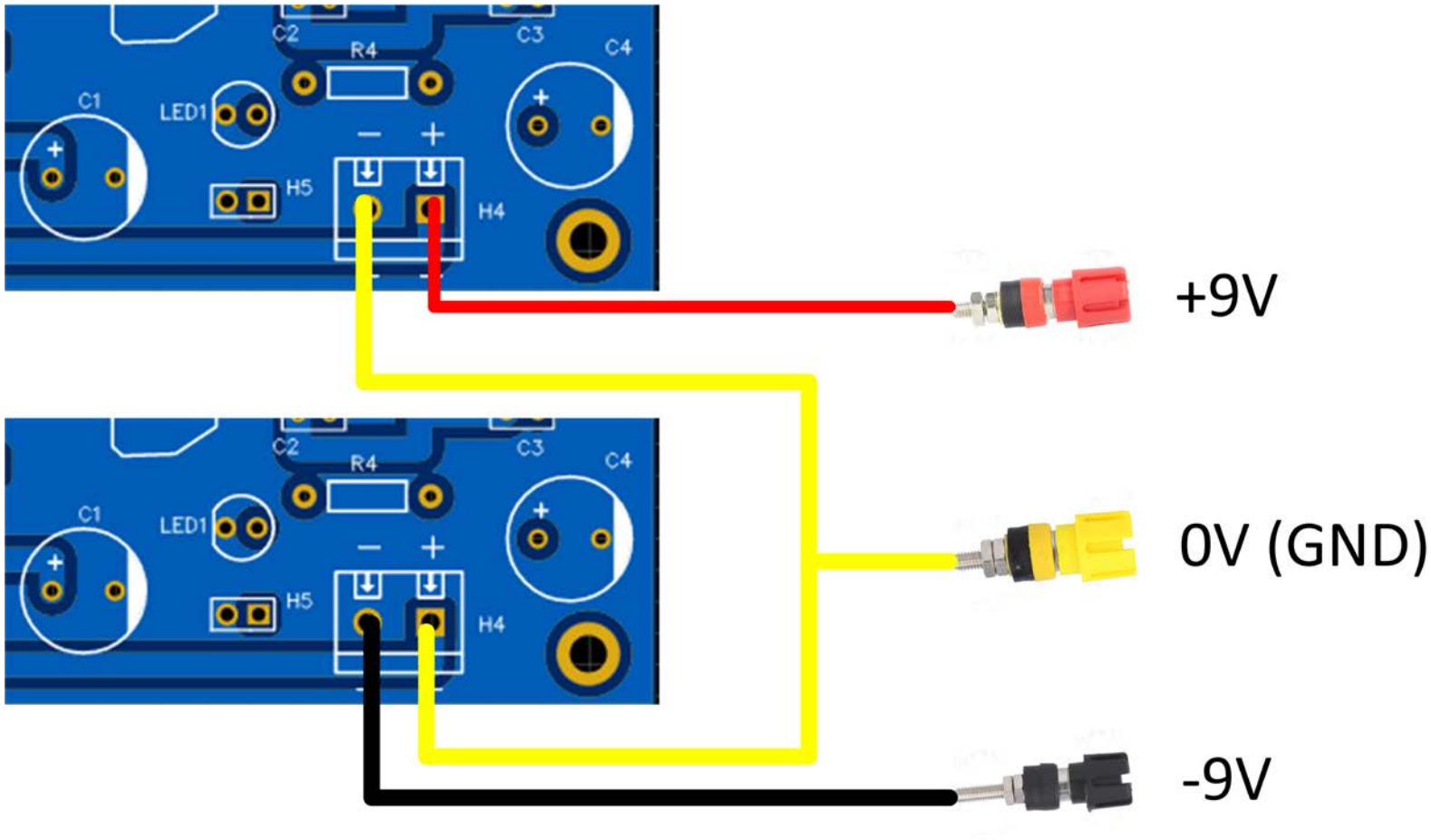

Figure 12. Connecting the output of two PCB's for a dual 9V supply

Ends …..