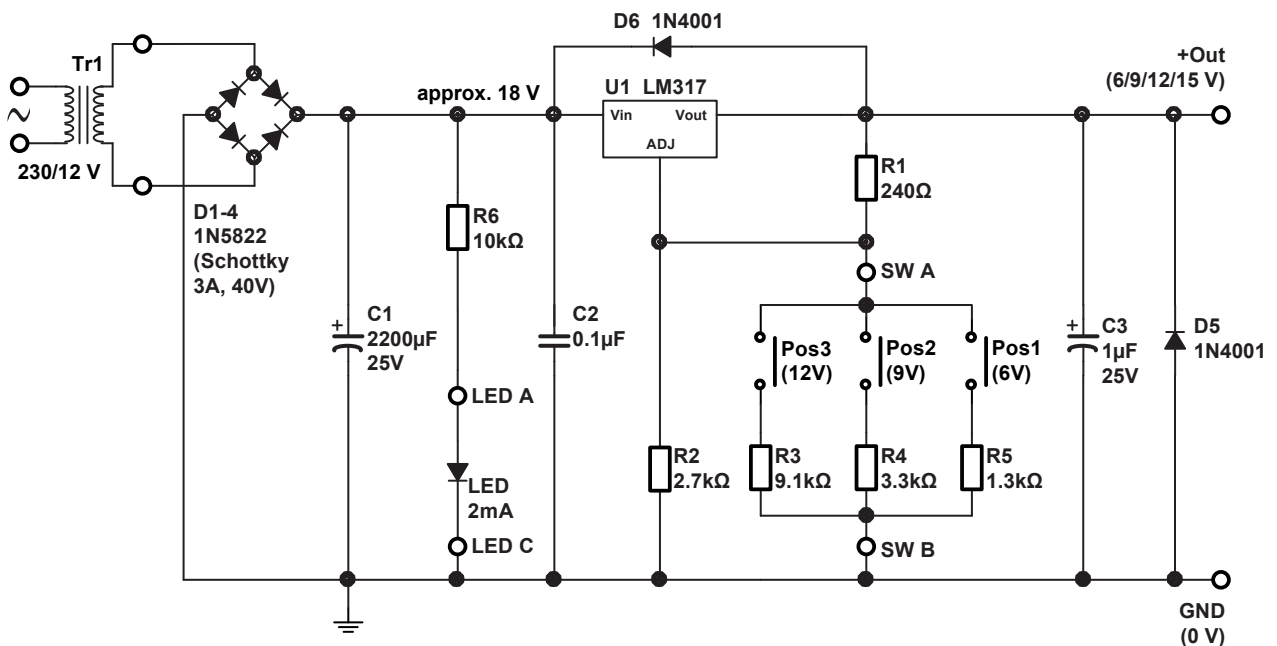
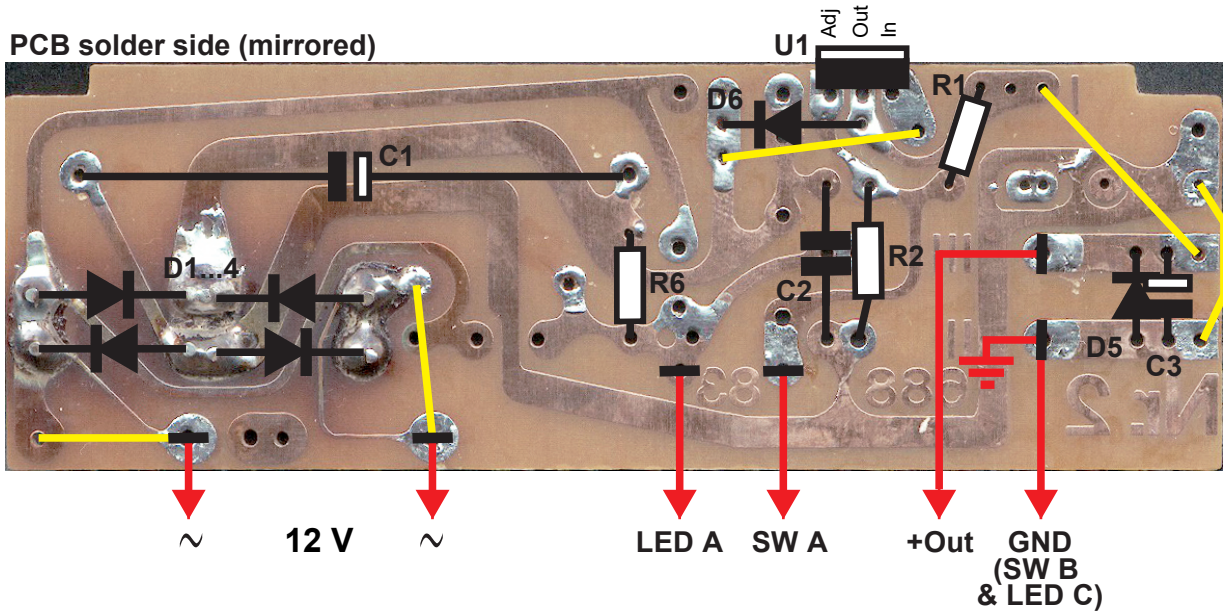


PCB solder side (mirrored)



LM317 output voltage (the theory):

$$V_{out} = 1.25 \text{ V} \times (1 + R2/R1)$$

Vref is the difference in voltage between the Vout pin and the ADJ pin (typically 1.25 V in normal operation).

Important: R1 must be low enough for a quiescent current of approx. 5...10 mA.

Output voltage selector:

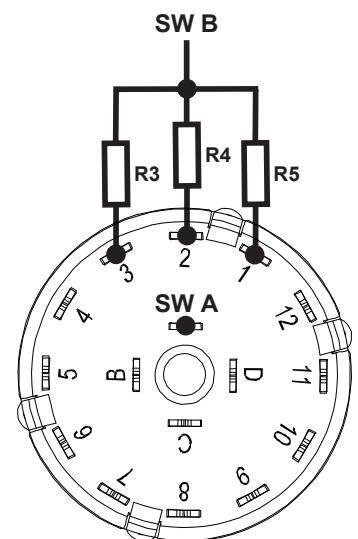
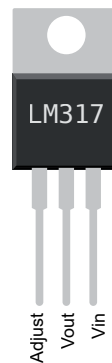
R2 value (for R1 = 240 Ω)

6 V (Pos1): 912Ω (2k7 || 1k3 = 878 Ω) → 5.82 V

9 V (Pos2): $1k488$ (2k7 || 3k3 = 1k485) → 8.98 V

12 V (Pos3): $2k064$ (2k7 || 9k1 = 2k082) → 12.09 V

15 V (Pos4): $2k640$ (2k7) → 15.31 V



Rotary Switch Bottom View