

Solder Aid

Solder aid is an extremely useful device which sucks the poisonous gas due to melted soldering alloy and sucks it away using an ordinary 12VDC fan removed from a computer. The circuit is shown in Fig 1. It is basically a 1.25-14.5VDC regulated voltage source built around LM317 IC. A super bright white LED is also attached to the fan as shown in Fig. 2 to illuminate the soldering area.

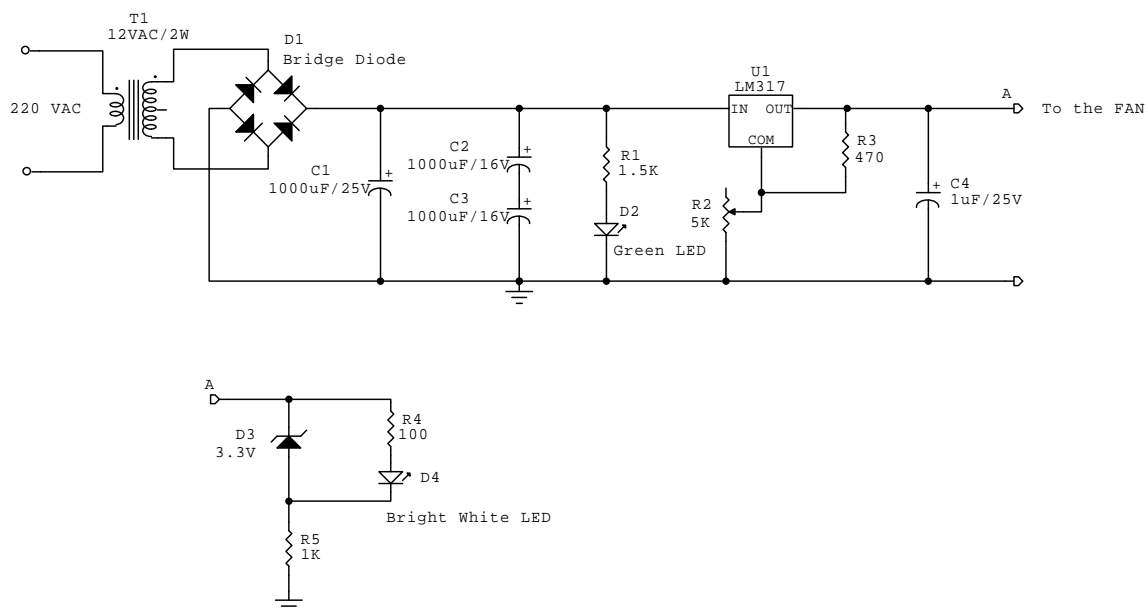


Fig. 1. Solder aid circuit.



Fig. 2. Finished project.

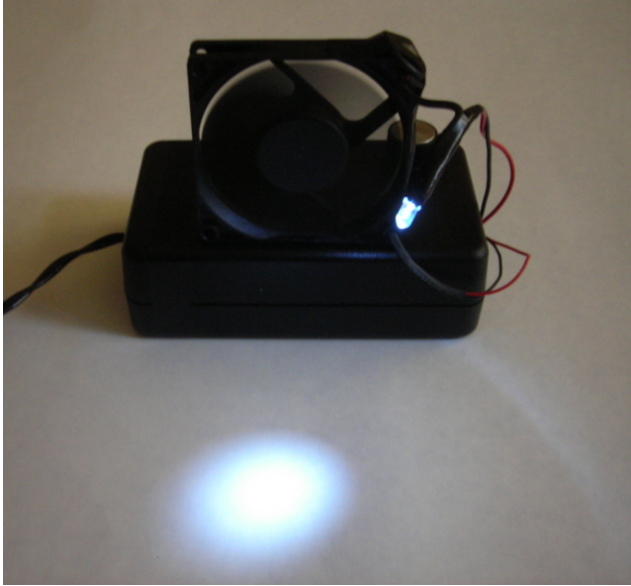


Fig. 3. Solder aid is working.

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