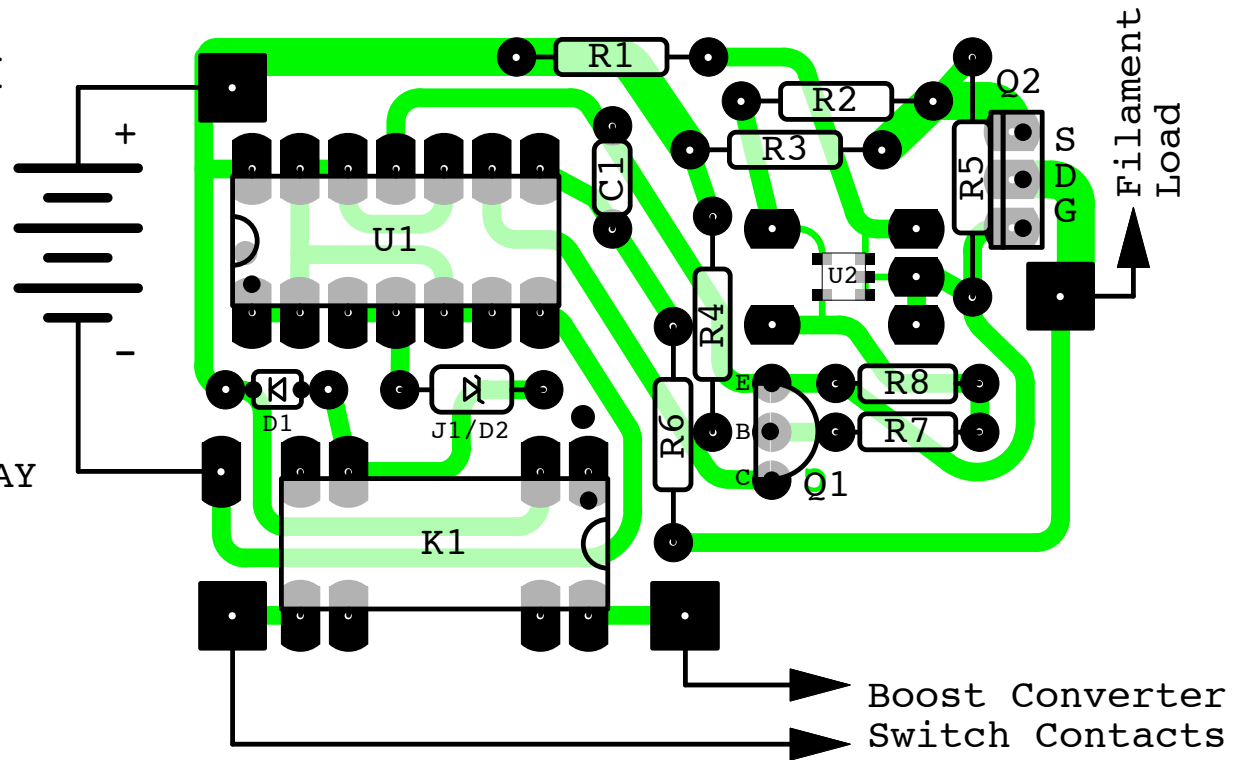


LOW STANDBY POWER CURRENT SENSING SWITCH COMPONENT LAYOUT

PARTS LIST

C1 ... 0.01 μ F
 D1 ... 1N4148 or 1N914
 D2 ... 3.6 V 1 W ZENER DIODE
 K1 ... HAMLIN HE721A0500 RELAY
 Q1 ... 2N3904
 Q2 ... NTD2955
 R1, R2 100 OHM
 R3 ... 0.5 OHM 1/2 W
 R4 ... 100K
 R5, R7 10K
 R6 ... 1 MEG.
 R8 ... 47K
 U1 ... CD4011 QUAD 2-INPUT NAND
 U2 ... SILICON LABS Si8540



NOTES

1. All resistors are 1/4 watt except as noted.
2. For 6 volt operation, omit diode D2, and install a jumper in its place.
3. U2 is a surface mount IC and is installed on the foil side of the circuit board. Alternatively, it may be mounted on a breakout board, which is then soldered to the five larger pads. It may also be mounted 'dead bug' style on the component side with fine leads tack soldered to it from the larger pads.