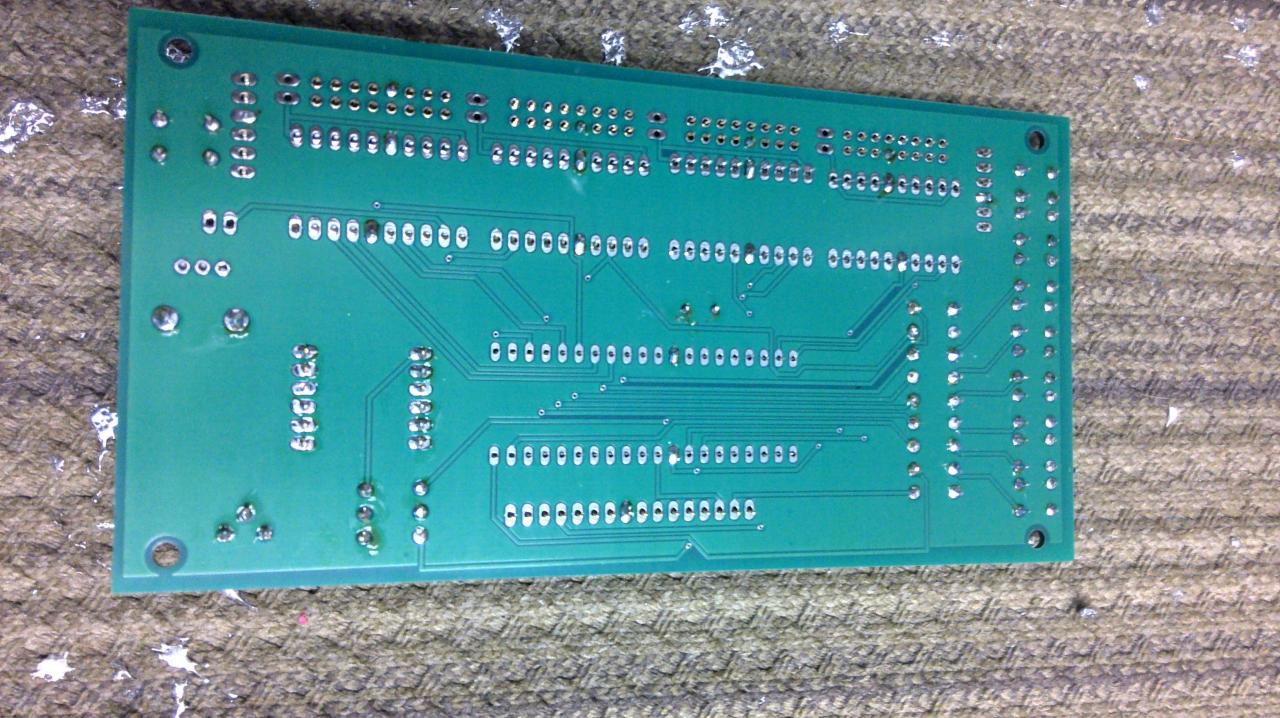
Soldering Basics using the SD401 soldering practice board







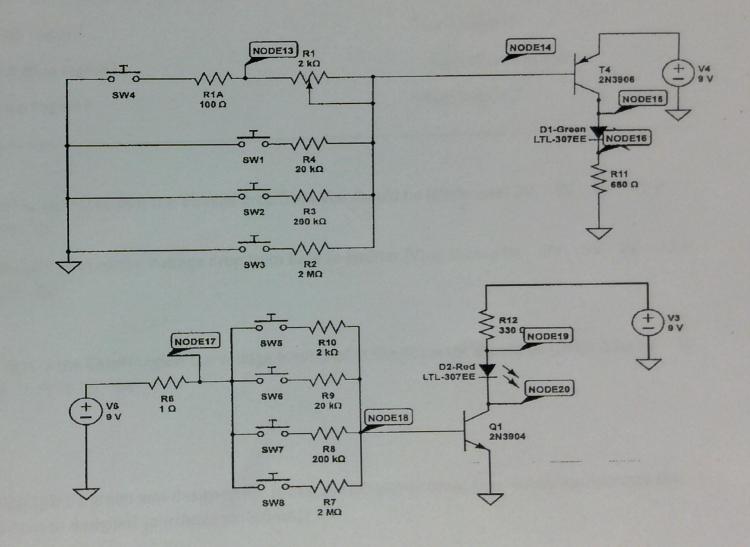


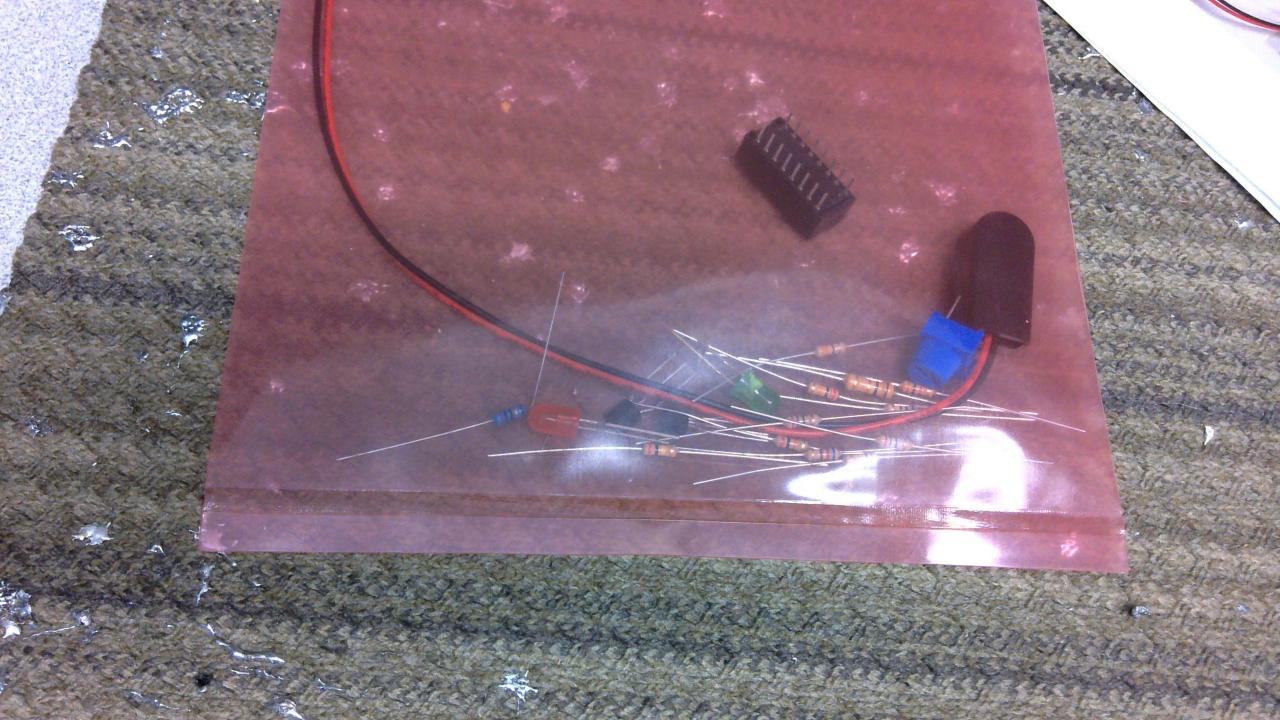


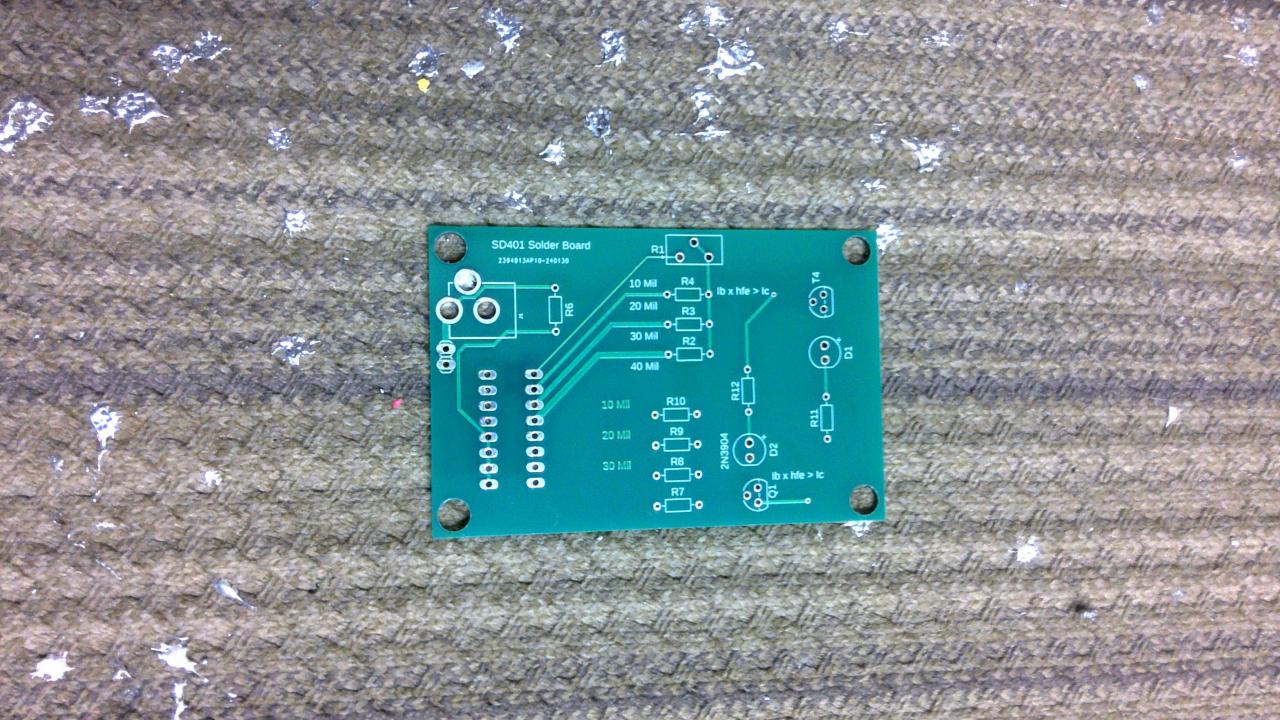
Soldering LAB Worksheet for SD401

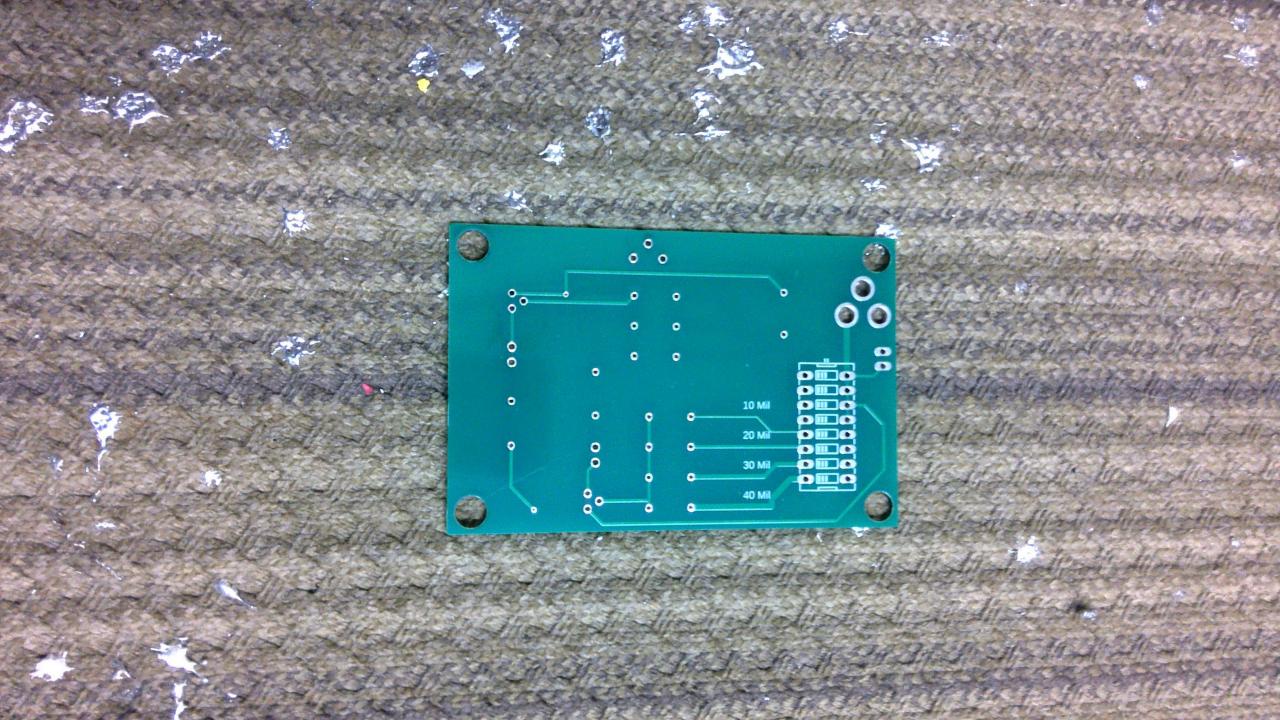
Using the Following Schematic, add the following through hole components and solder the board

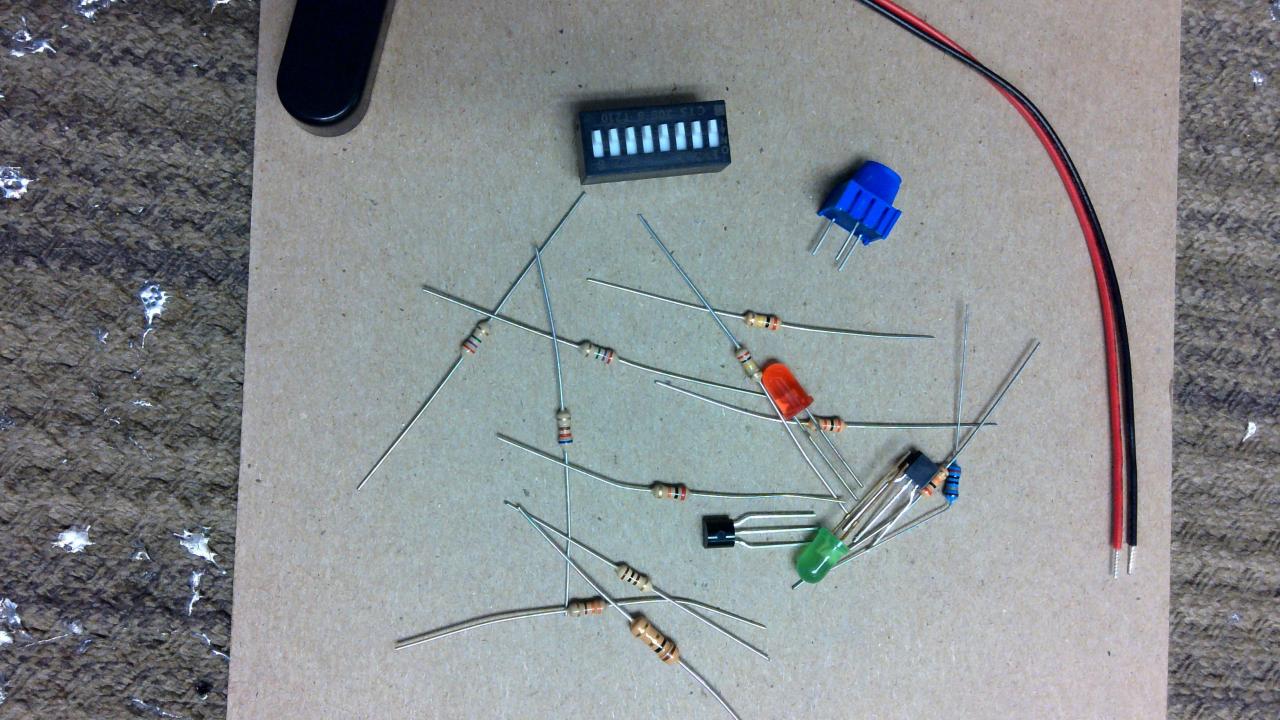
using unleaded (60/40 or 63/37 rosin core solder).







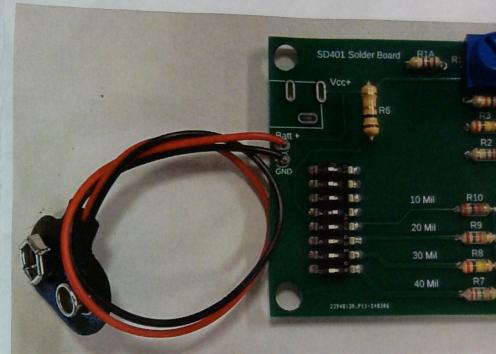


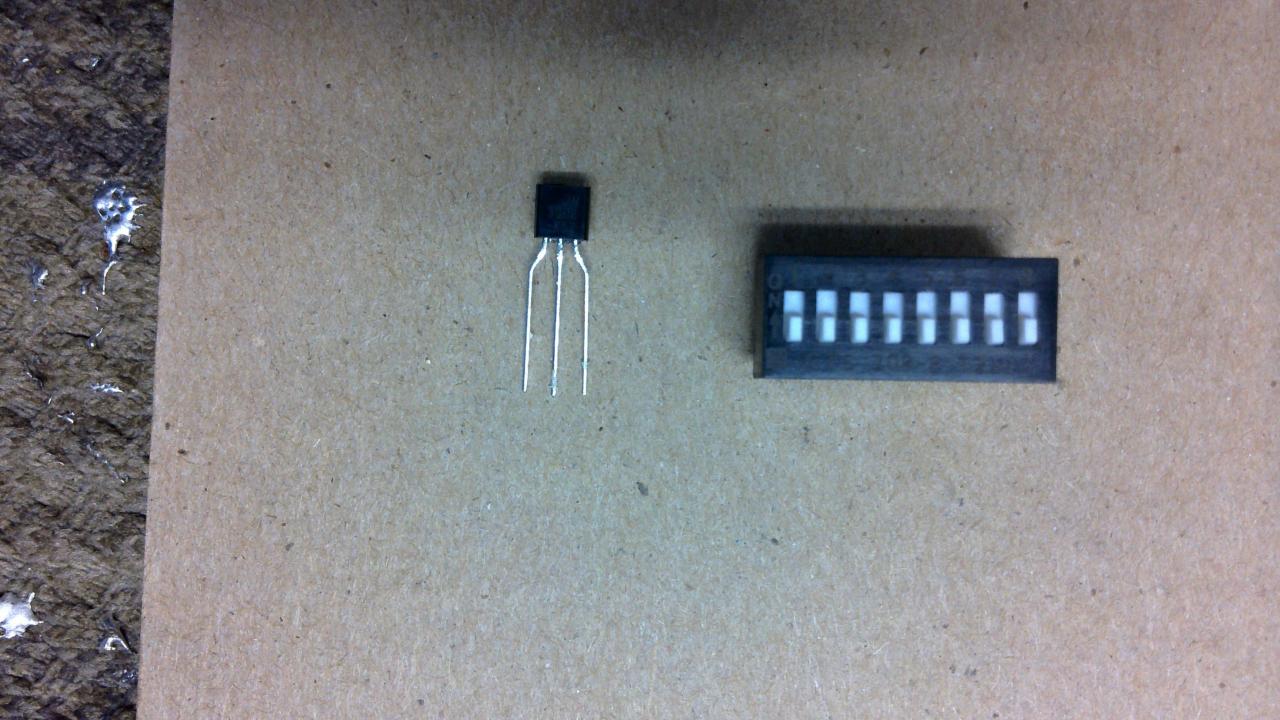




R1 Variable Resistor (2k OHM) R1A 100 OHM R2 2M OHM Resistor **R3** 200k OHM Resistor R4 20k OHM Resistor R6 1 OHM Resistor R7 2M OHM Resistor **R8** 200k OHM Resistor 20k OHM Resistor R9 R10 2k OHM Resistor R11 520 OHM R12 330 OHM D1 LED - Green LED - Red D2 Transistor 2N3906 (PNP) Q1 Transistor 2N3904 (NPN) T4 8 position Dip single pole single throw S1 (SPST) switch 9V Battery connector (SNAP)

SD 401 Solder practice Bo































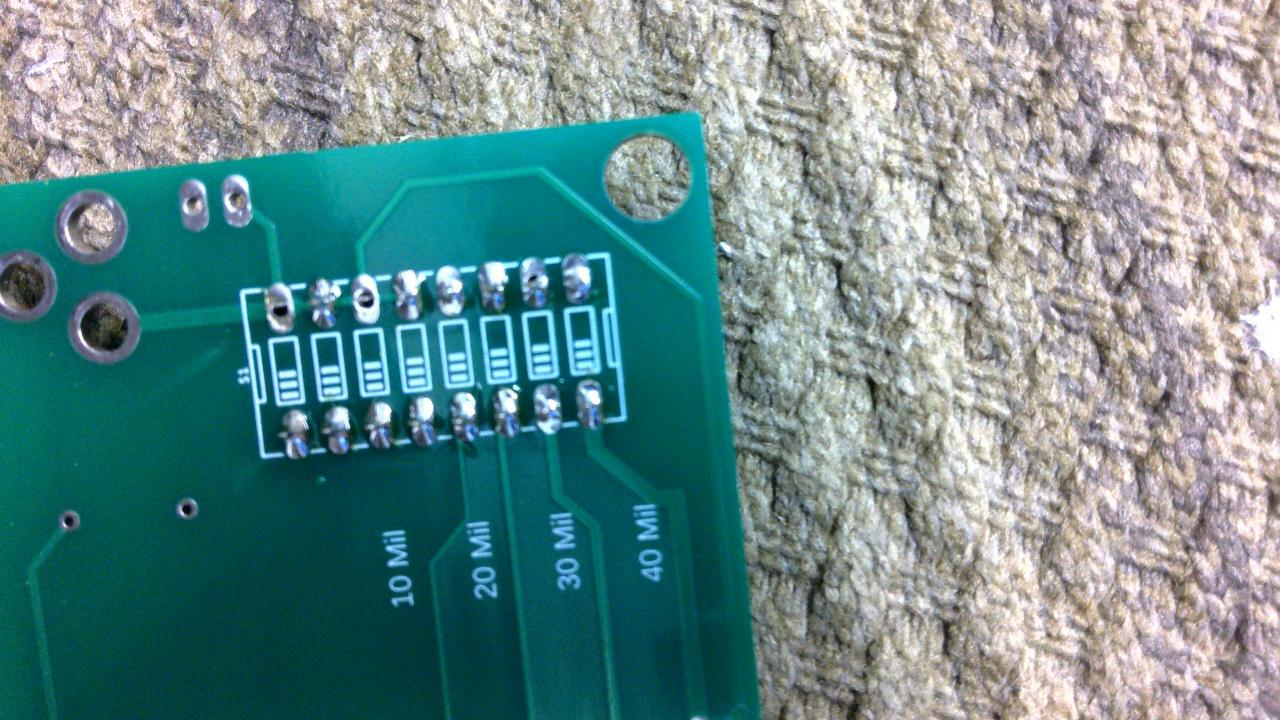






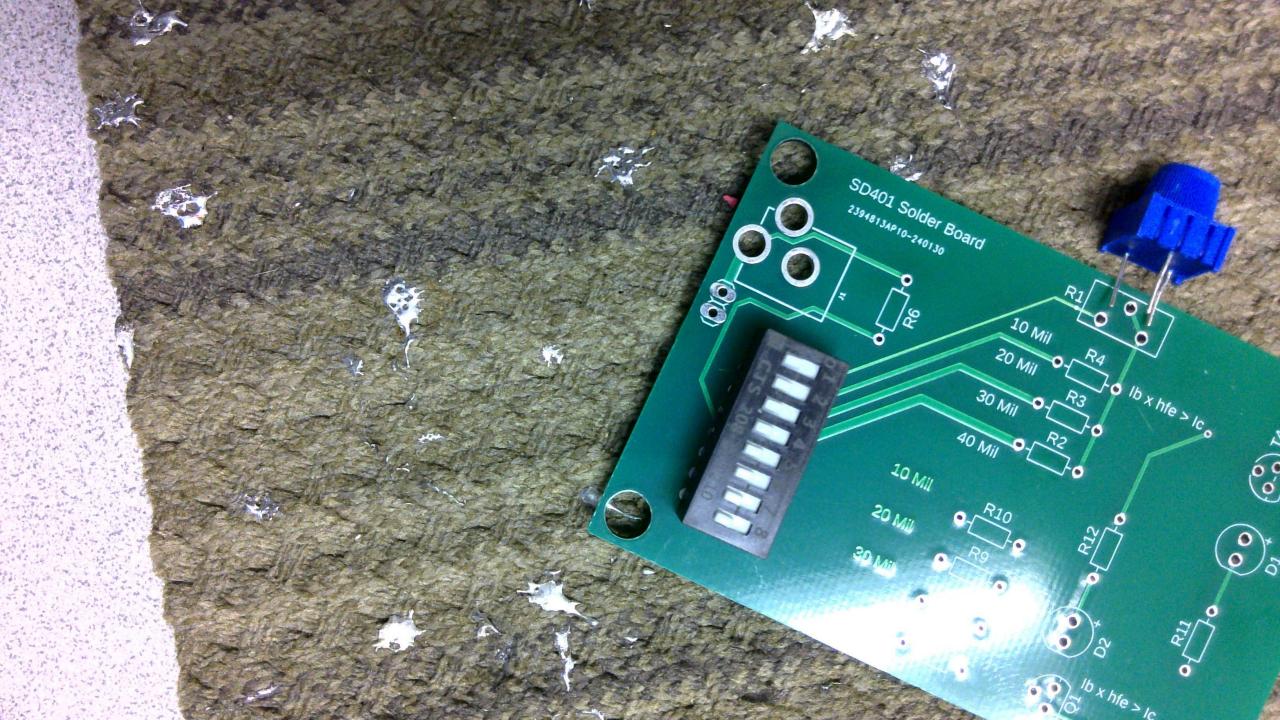




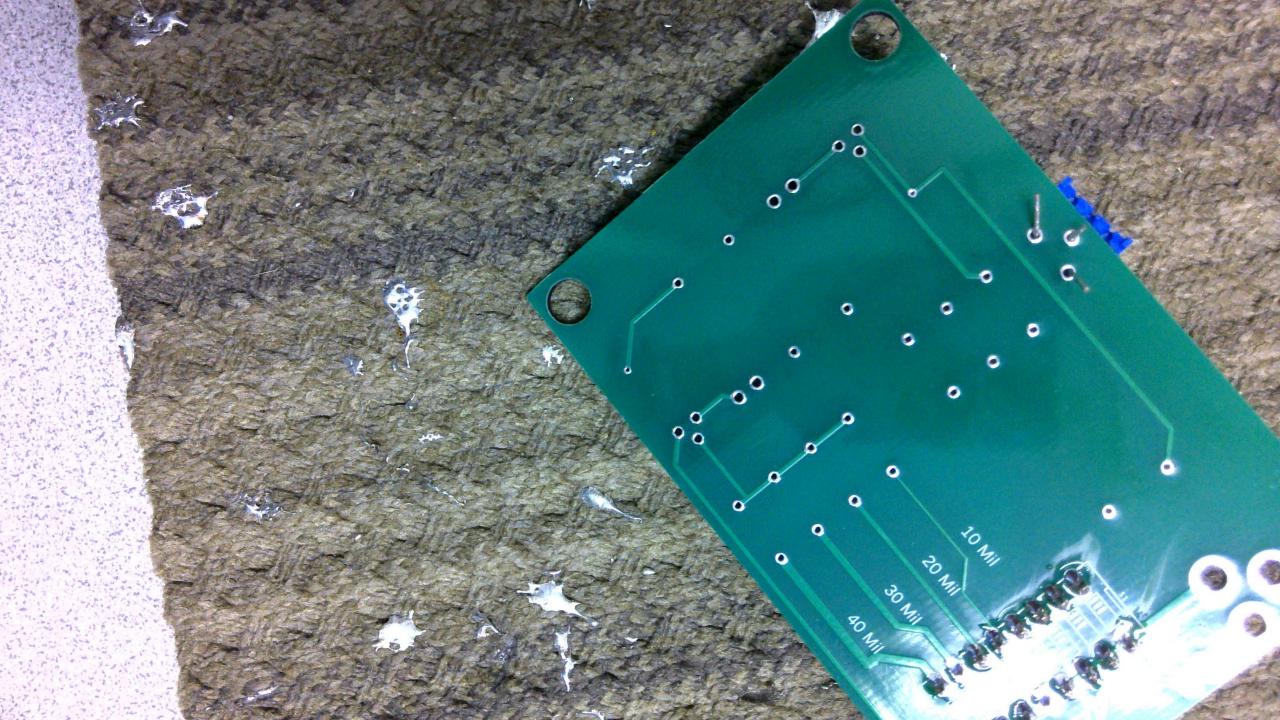


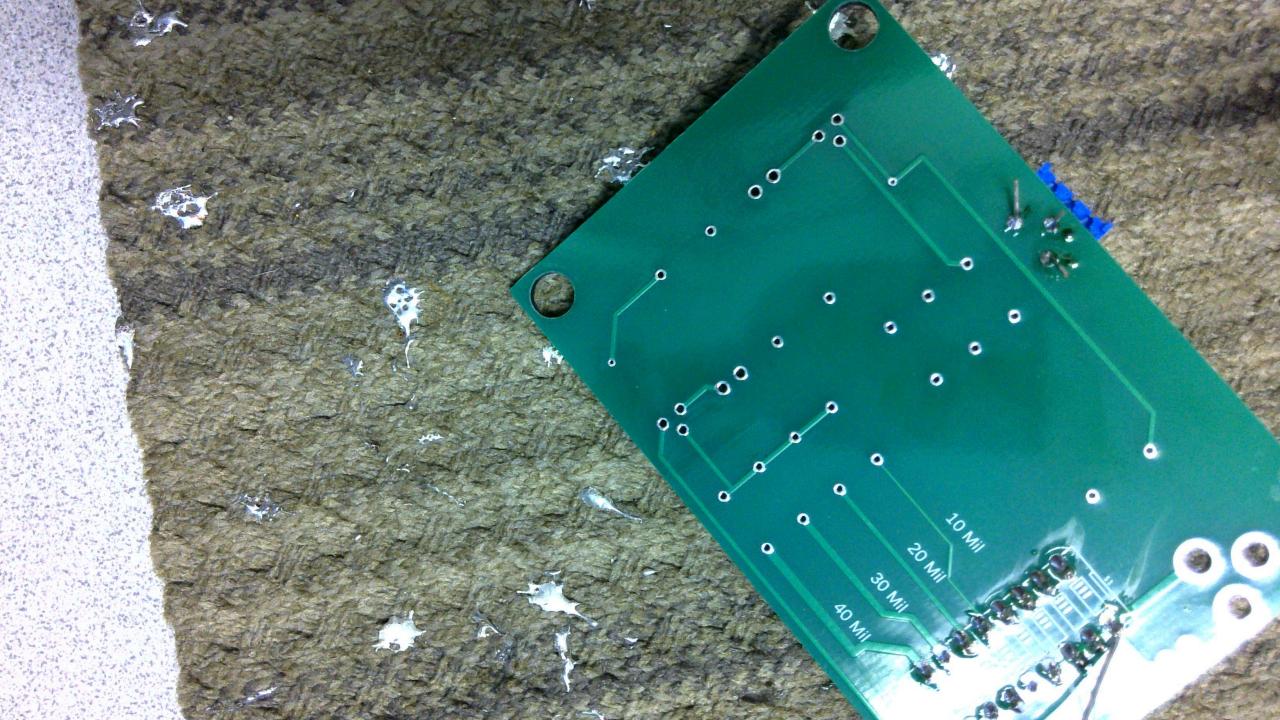


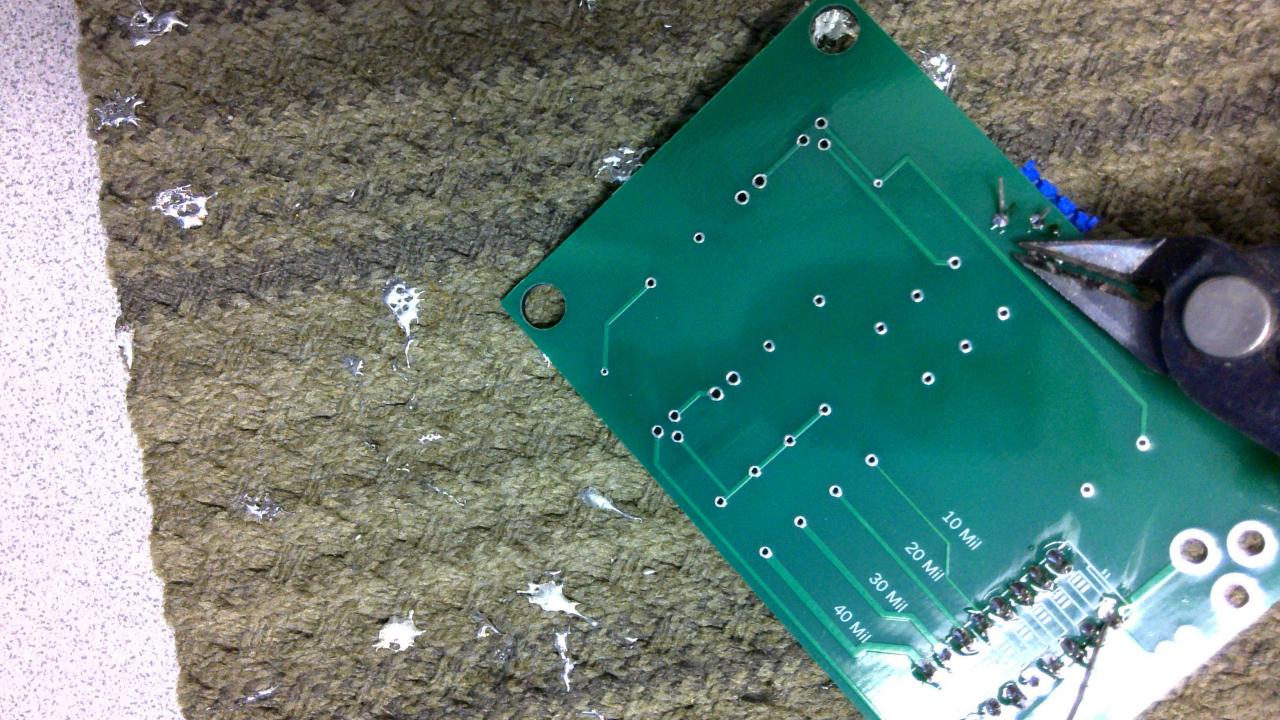


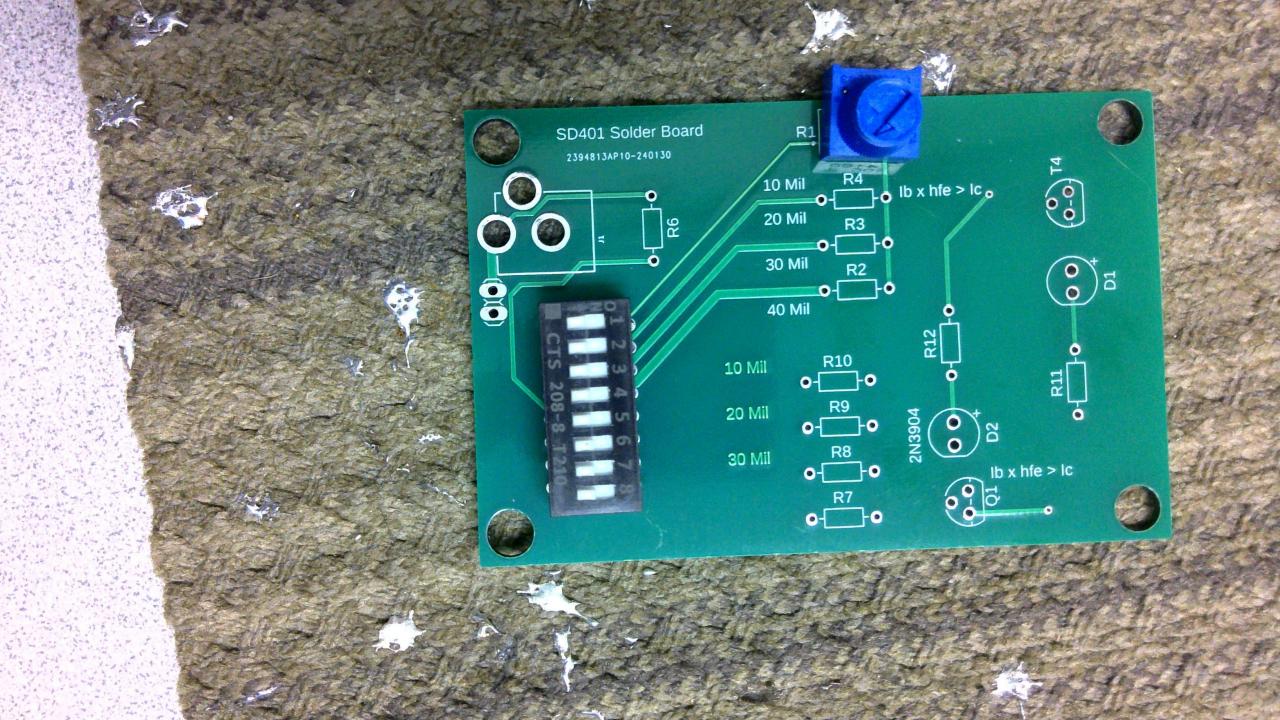


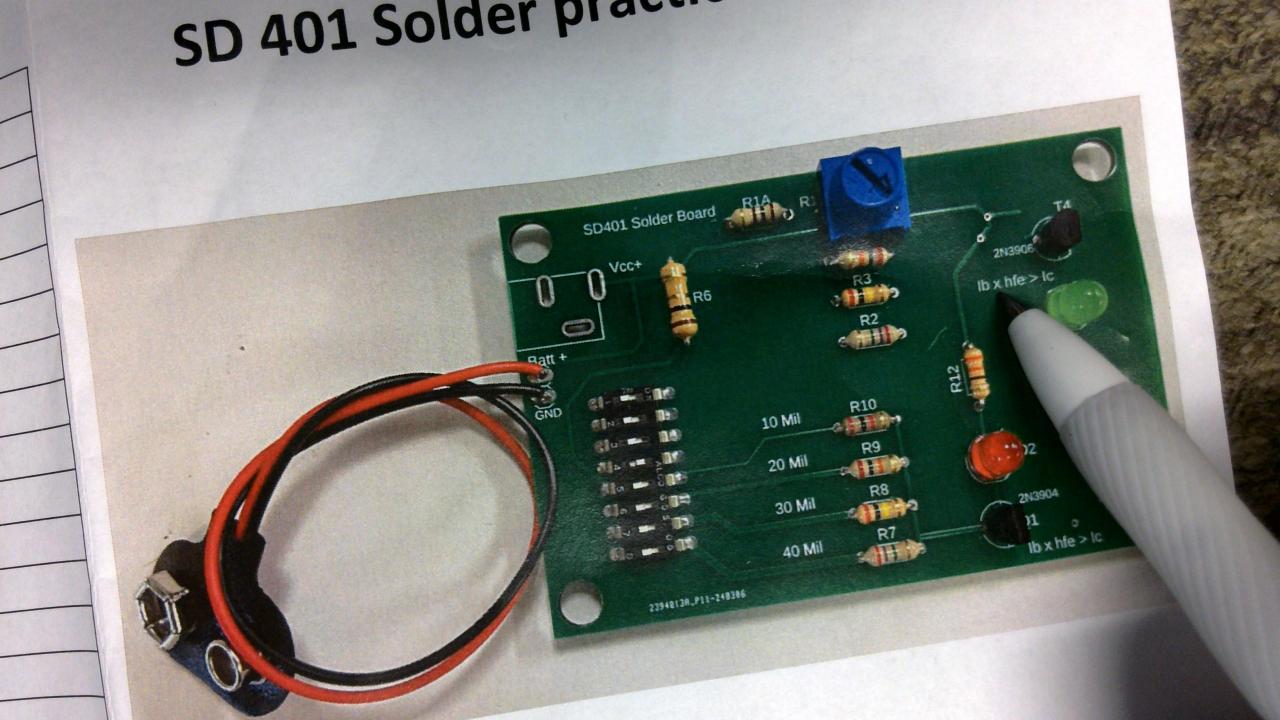


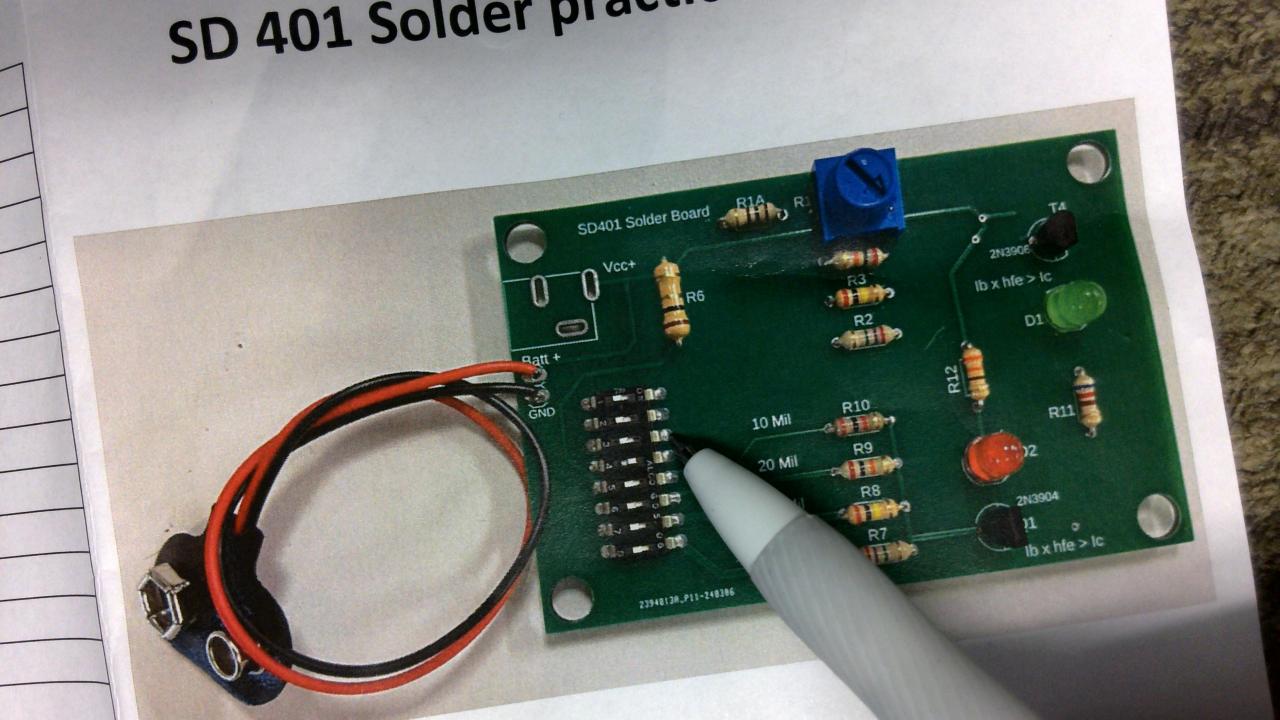


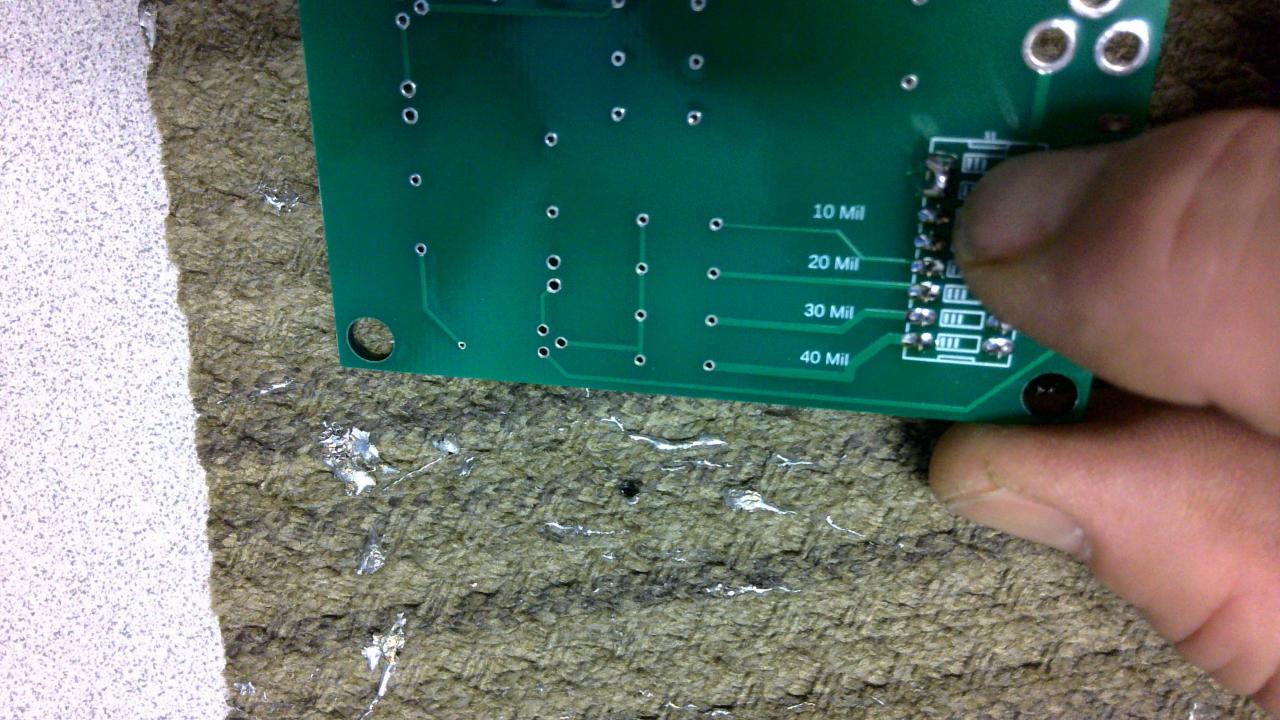


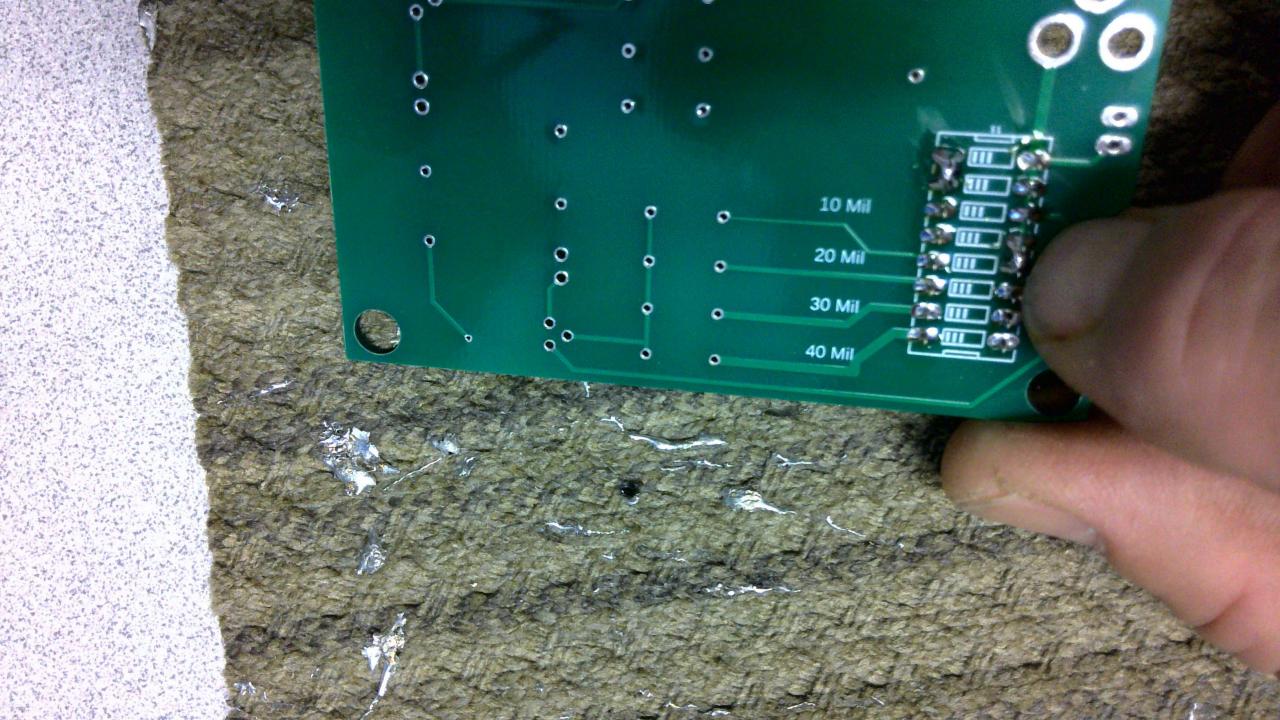




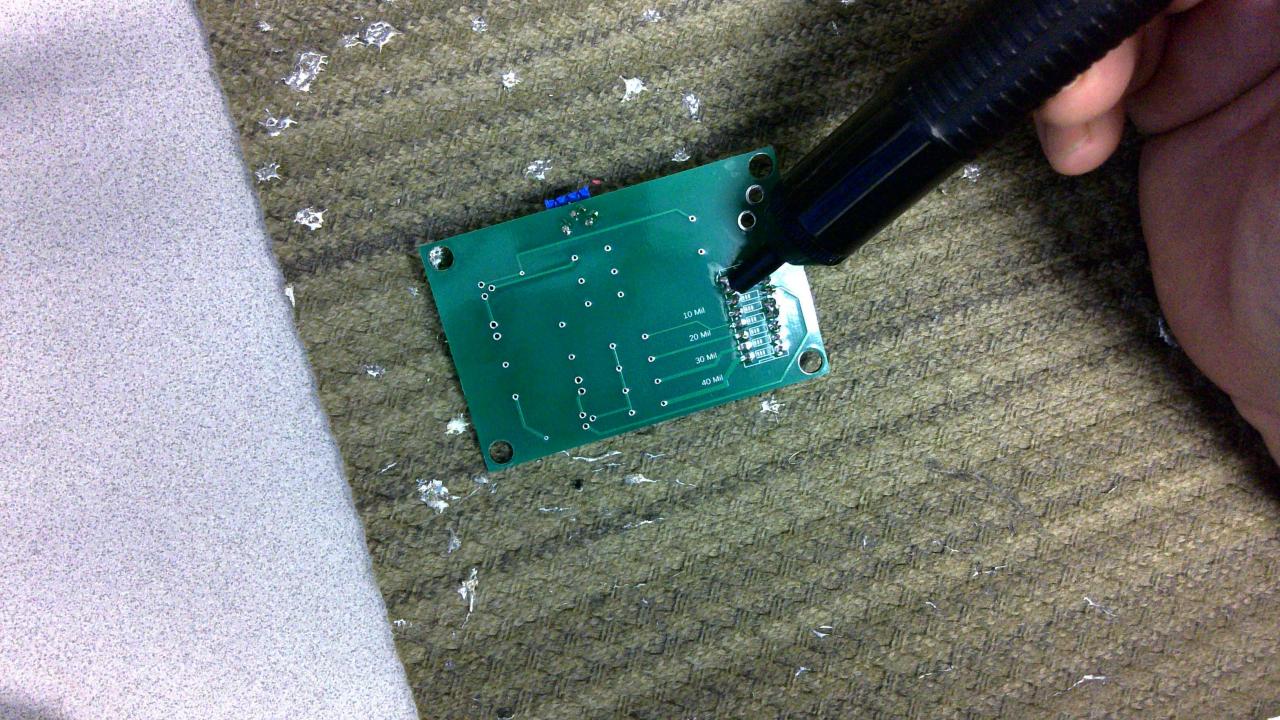






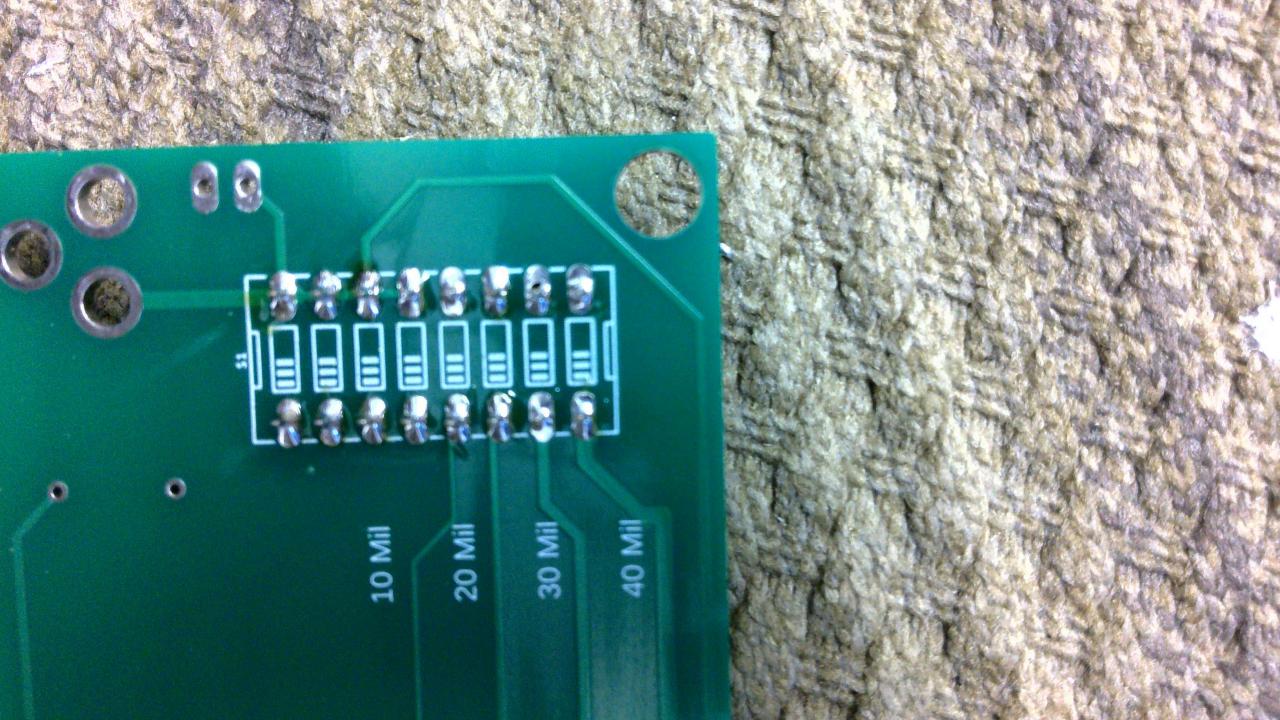




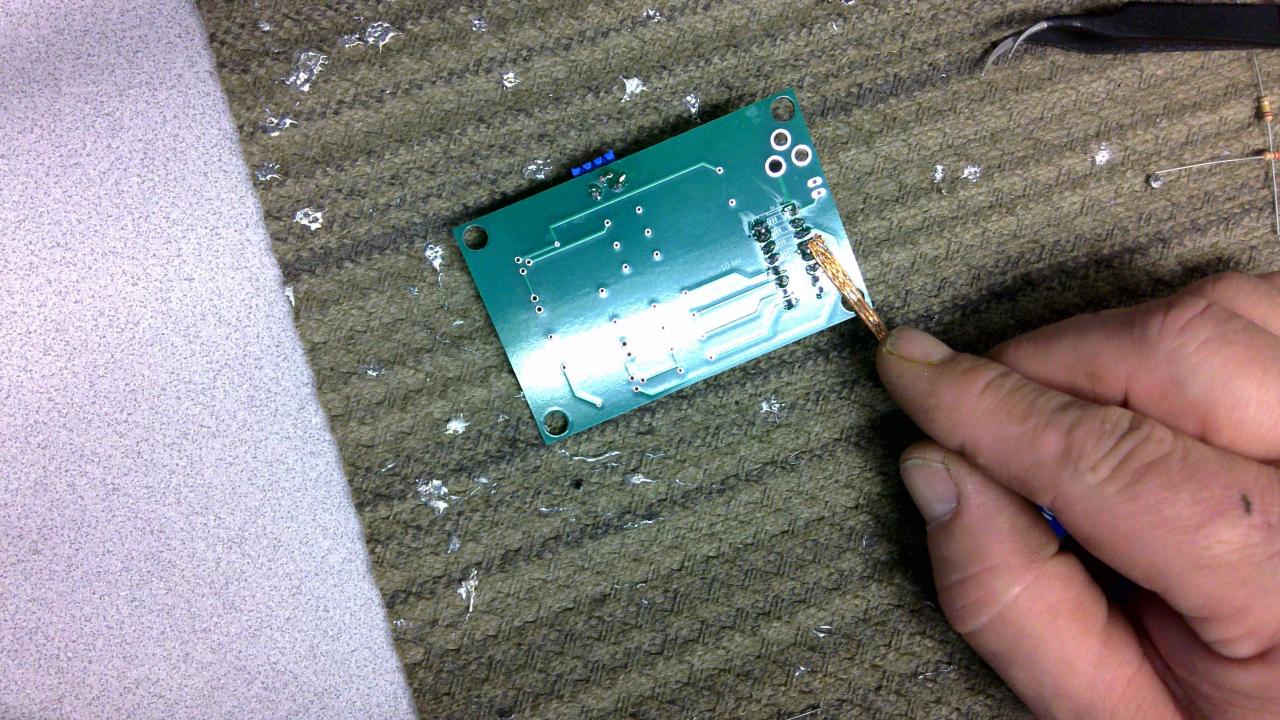


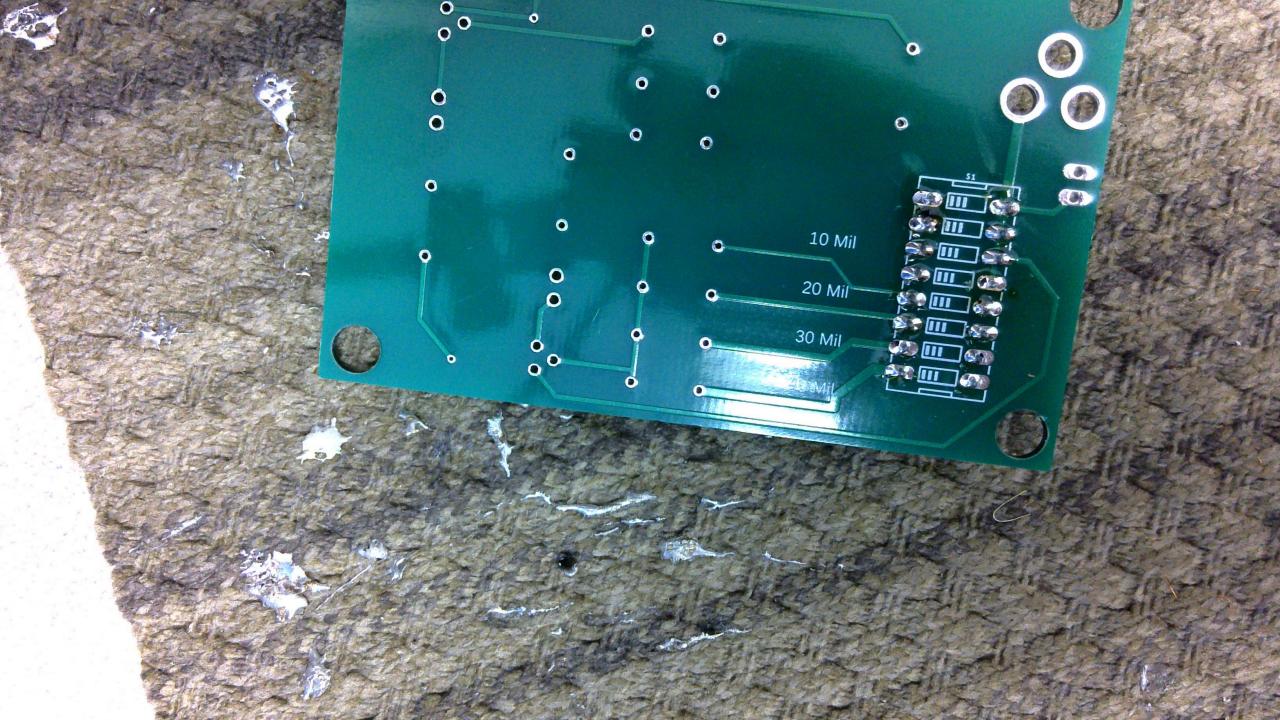




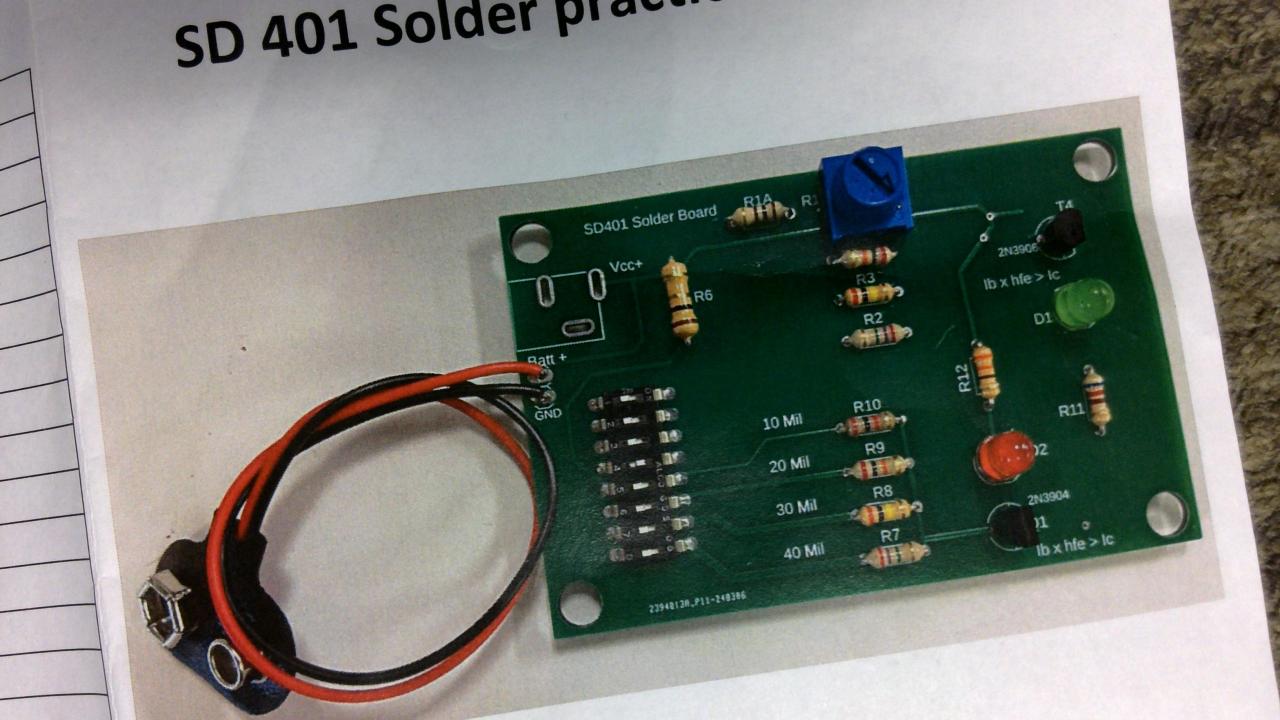












HWK7 Practice PCB with Worksheet

Soldering LAB Worksheet for SD401

answer the following questions using Datasheets
LEDs, assuming a Red LED was used and the device and 20mA of forward current is being
y of the LED in 1.
hls device is rated for
his device?
in 1 lot vs 10 lot pricing?
Price of LED's x 10 lot = \$ Cost (how much to save buying in quantity