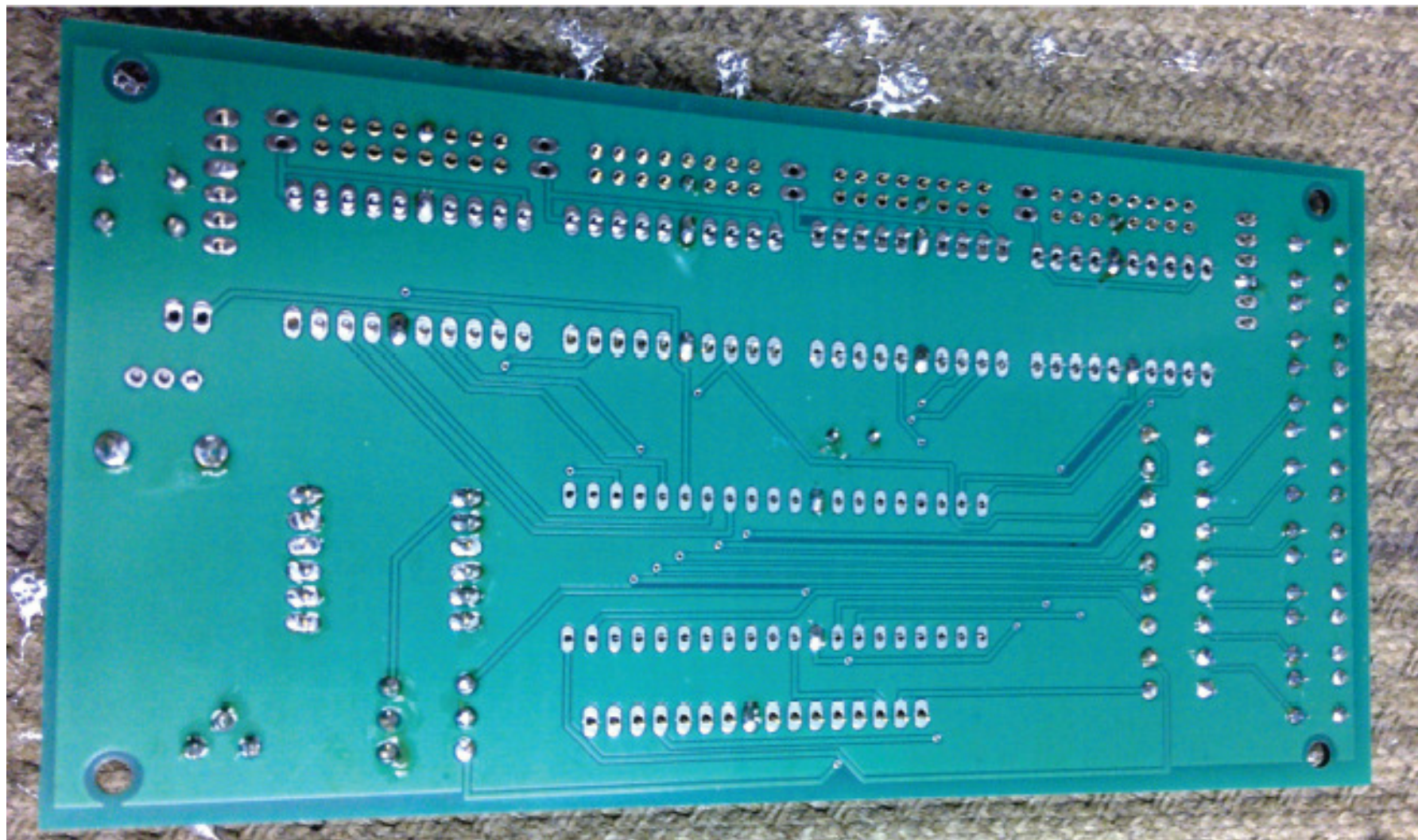


Soldering Basics using the SD401 soldering practice board

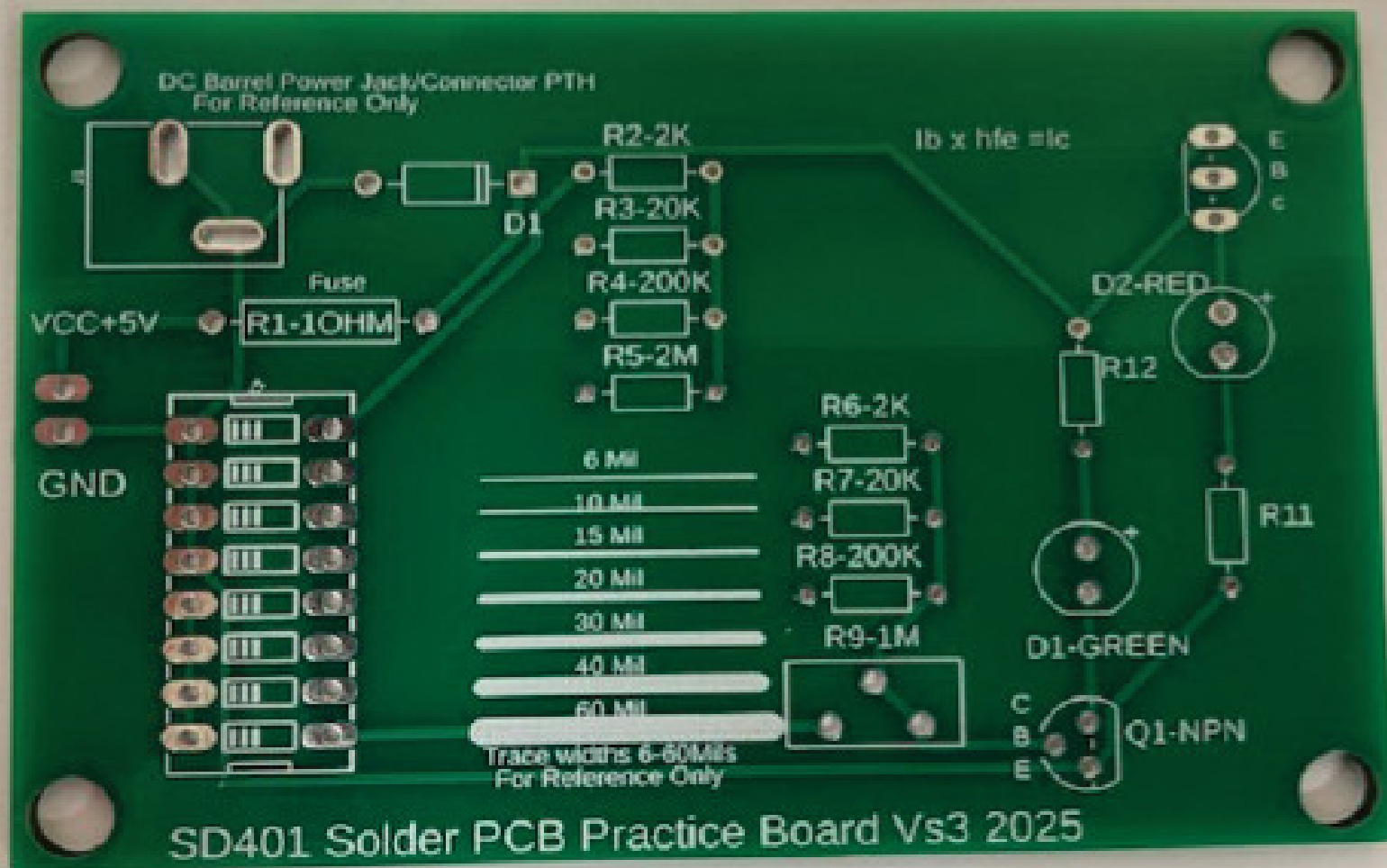


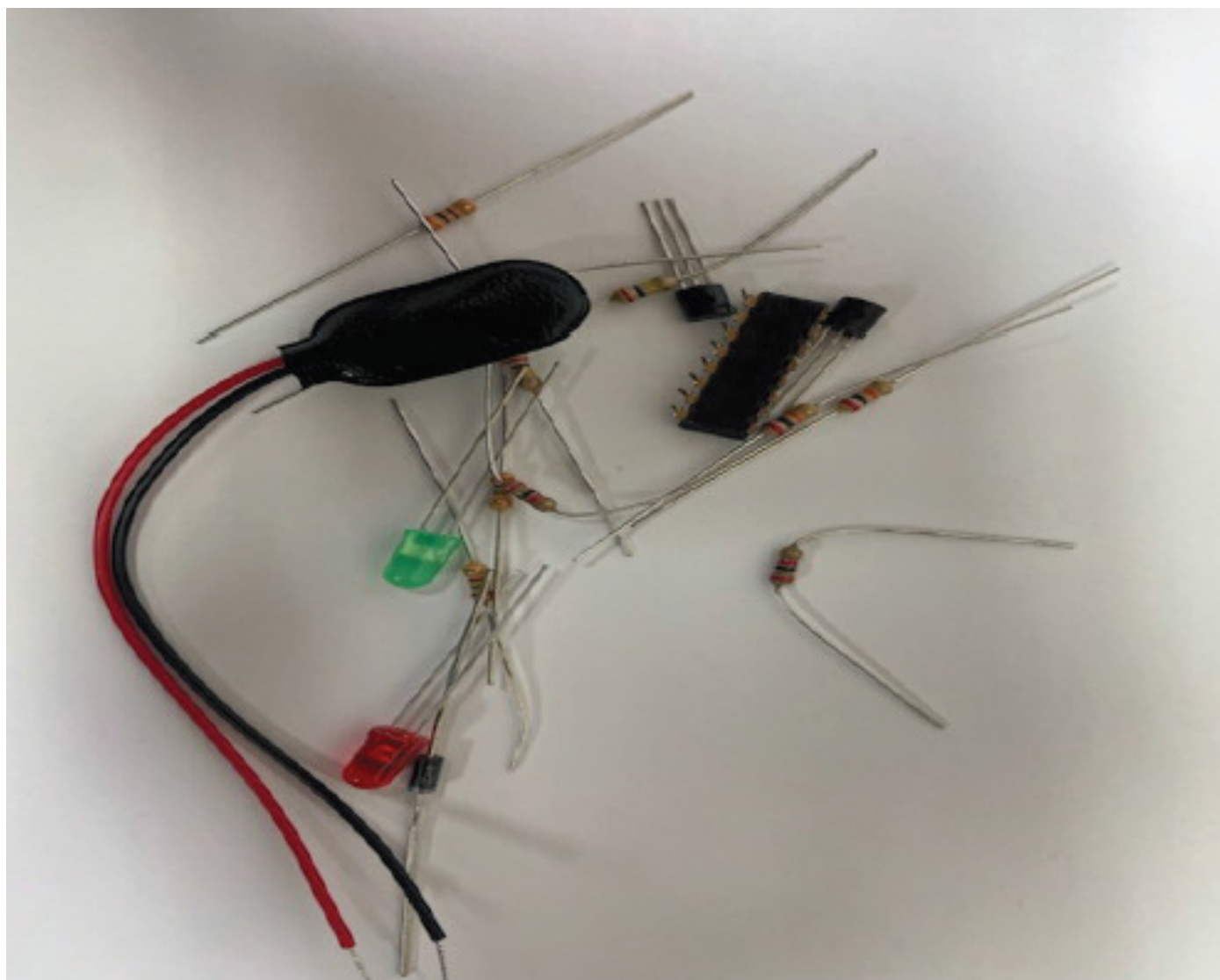


SD401 Soldering Practice Board with Worksheet

Through Hole Soldering

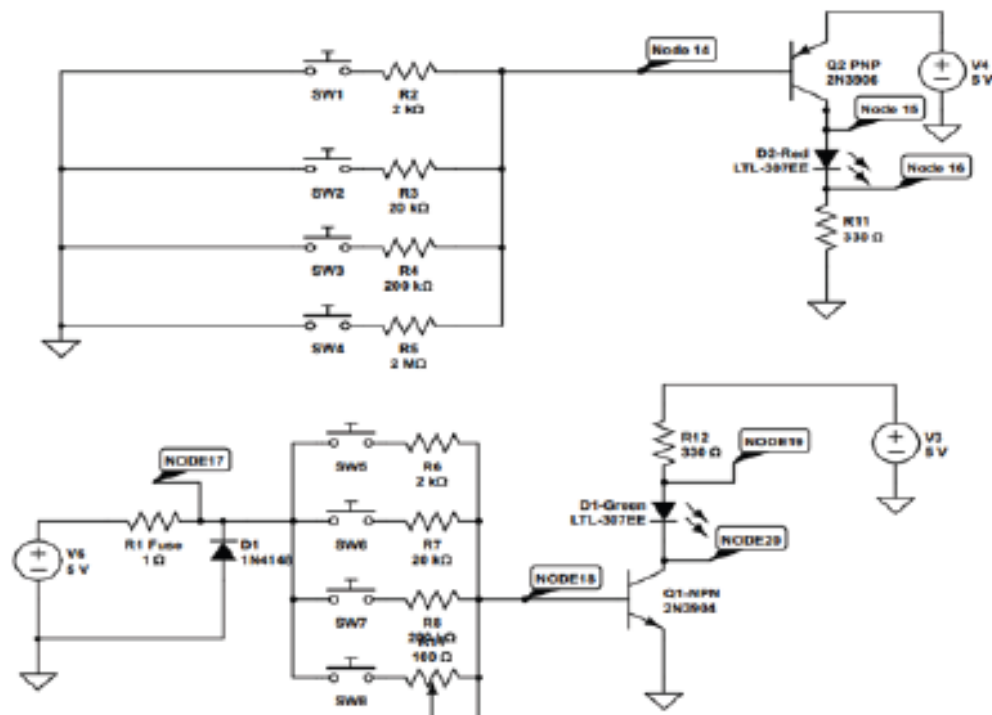


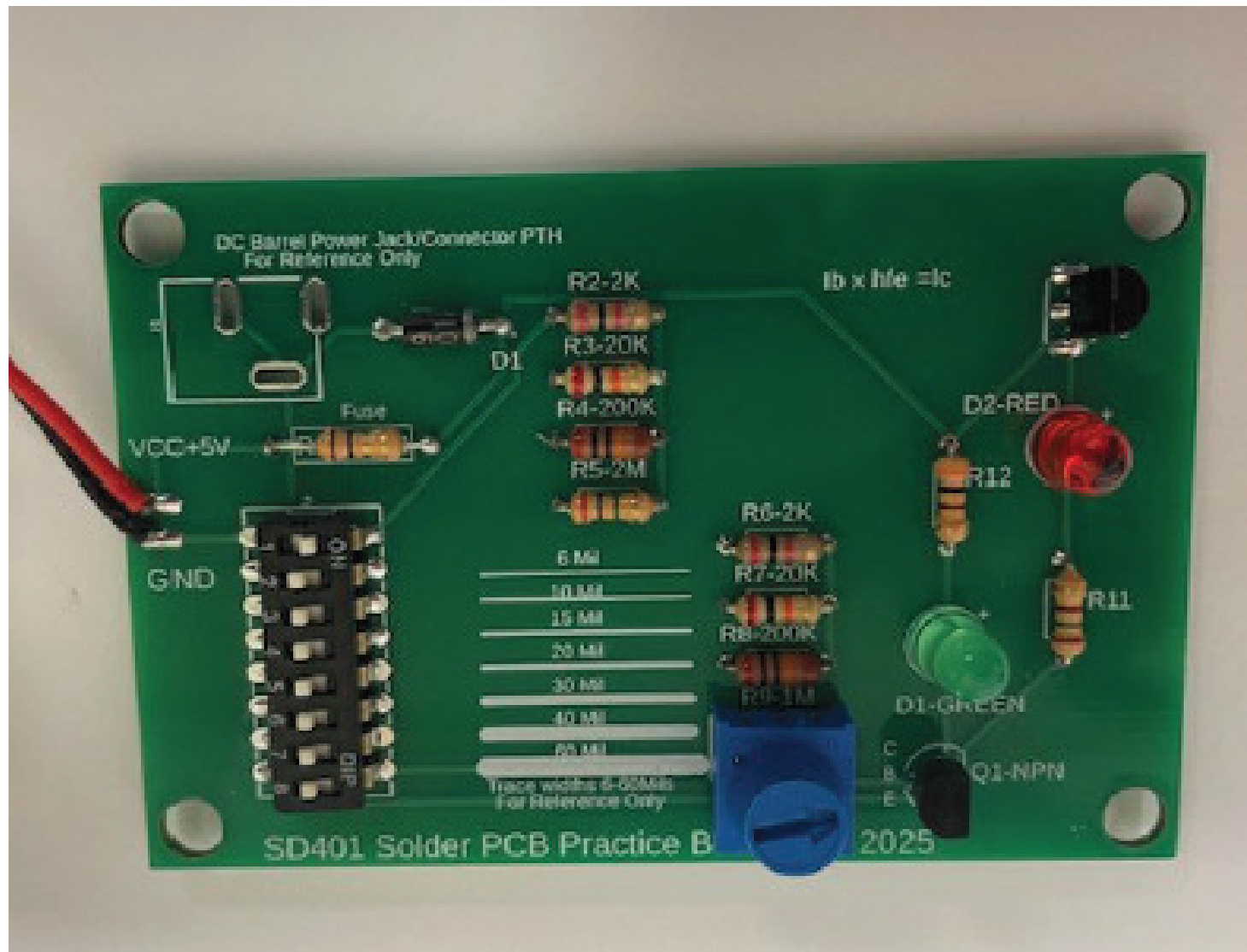


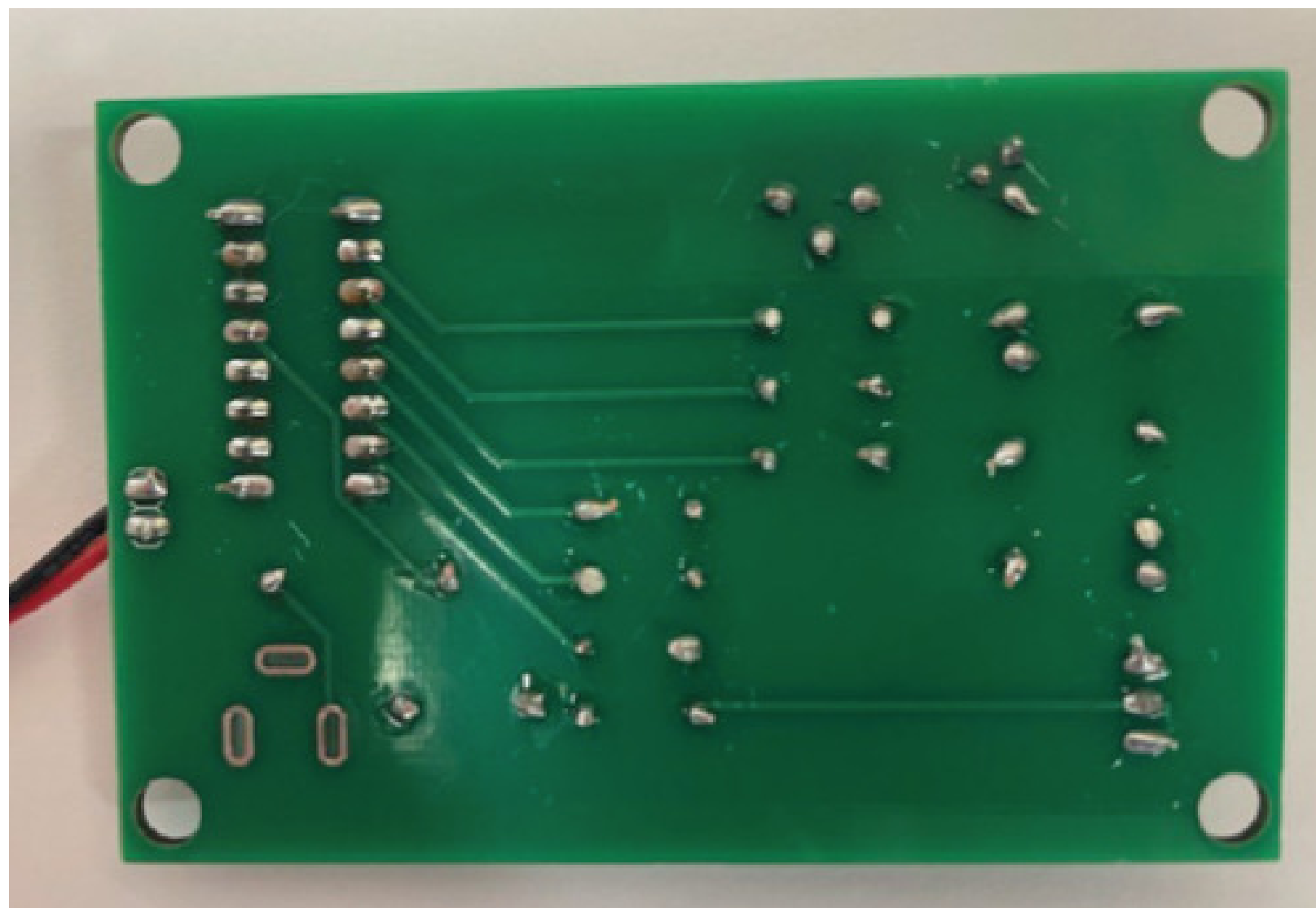


Soldering Lab Worksheet for SD401

Using the following schematic, add the following through hole components and solder the board using standard leaded 60/40 or 63/37 rosin core solder

















MG Chemicals®

**RA
Flux**

**0.025"
Diam.**

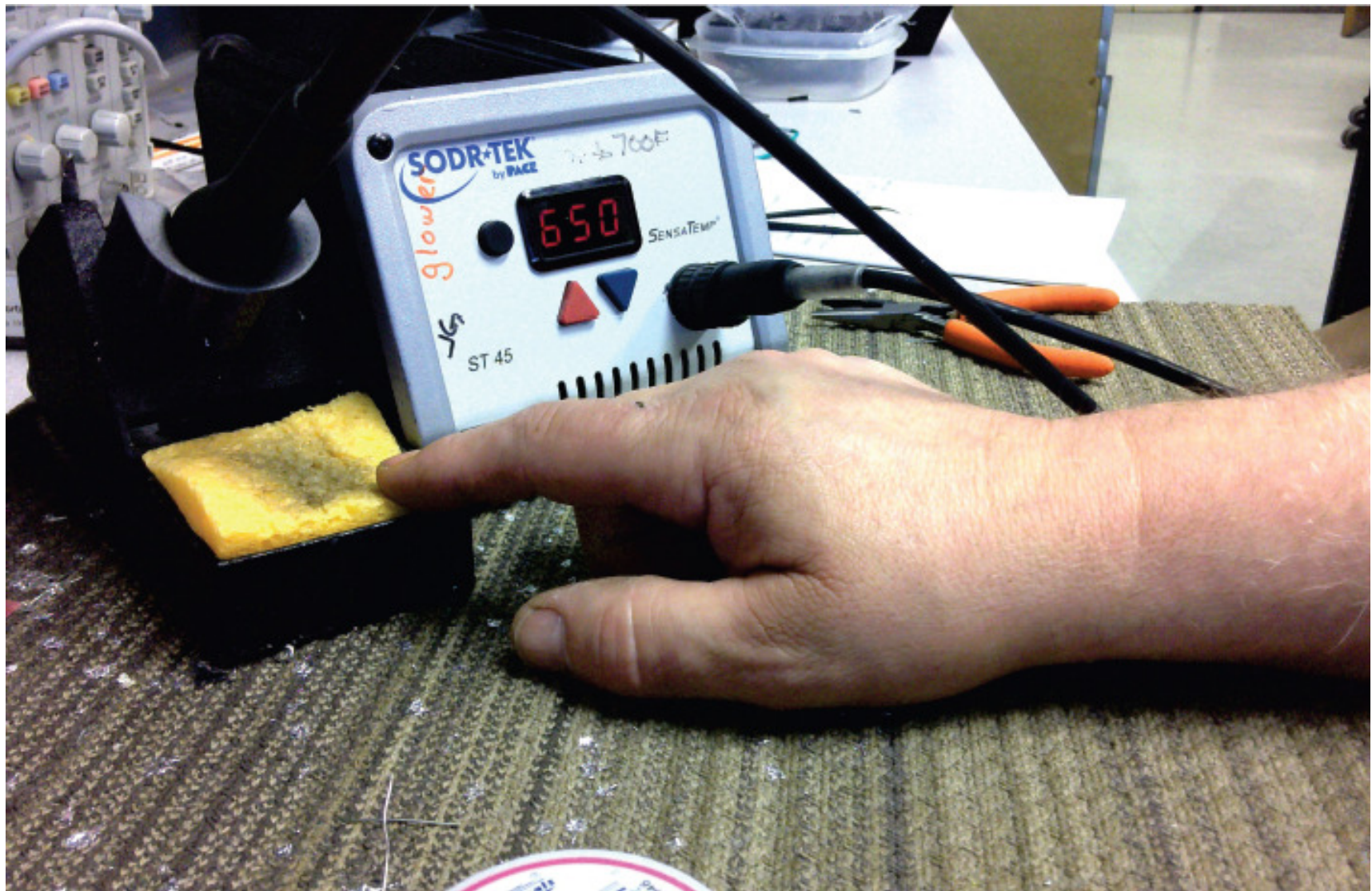
**23
Gauge**

**2.2%
Flux**

7 79008 48942 0
Batch# 13 346

Sn60/Pb40
SOLDER
Cat. No. 4894-227G (1/2 lb)

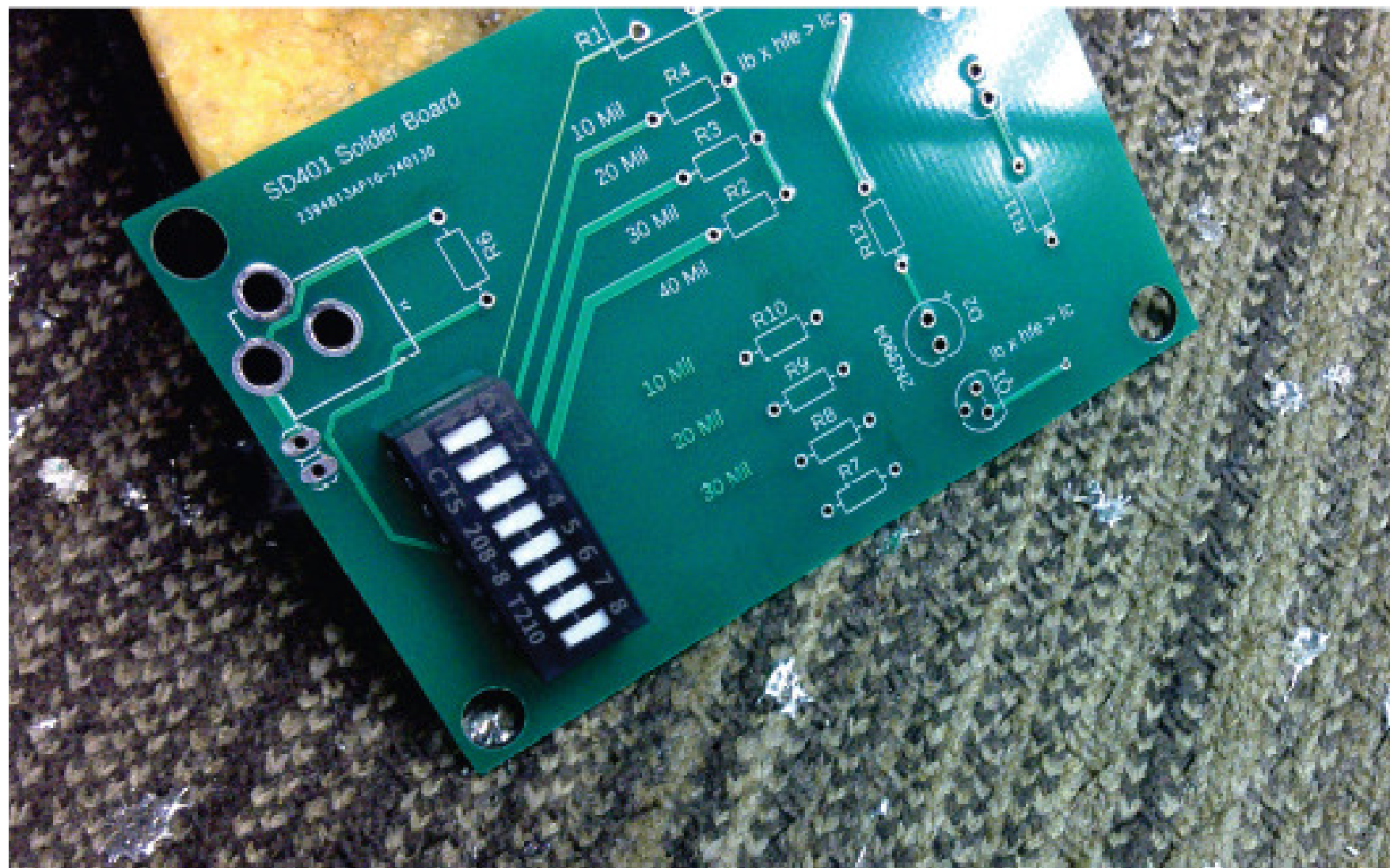


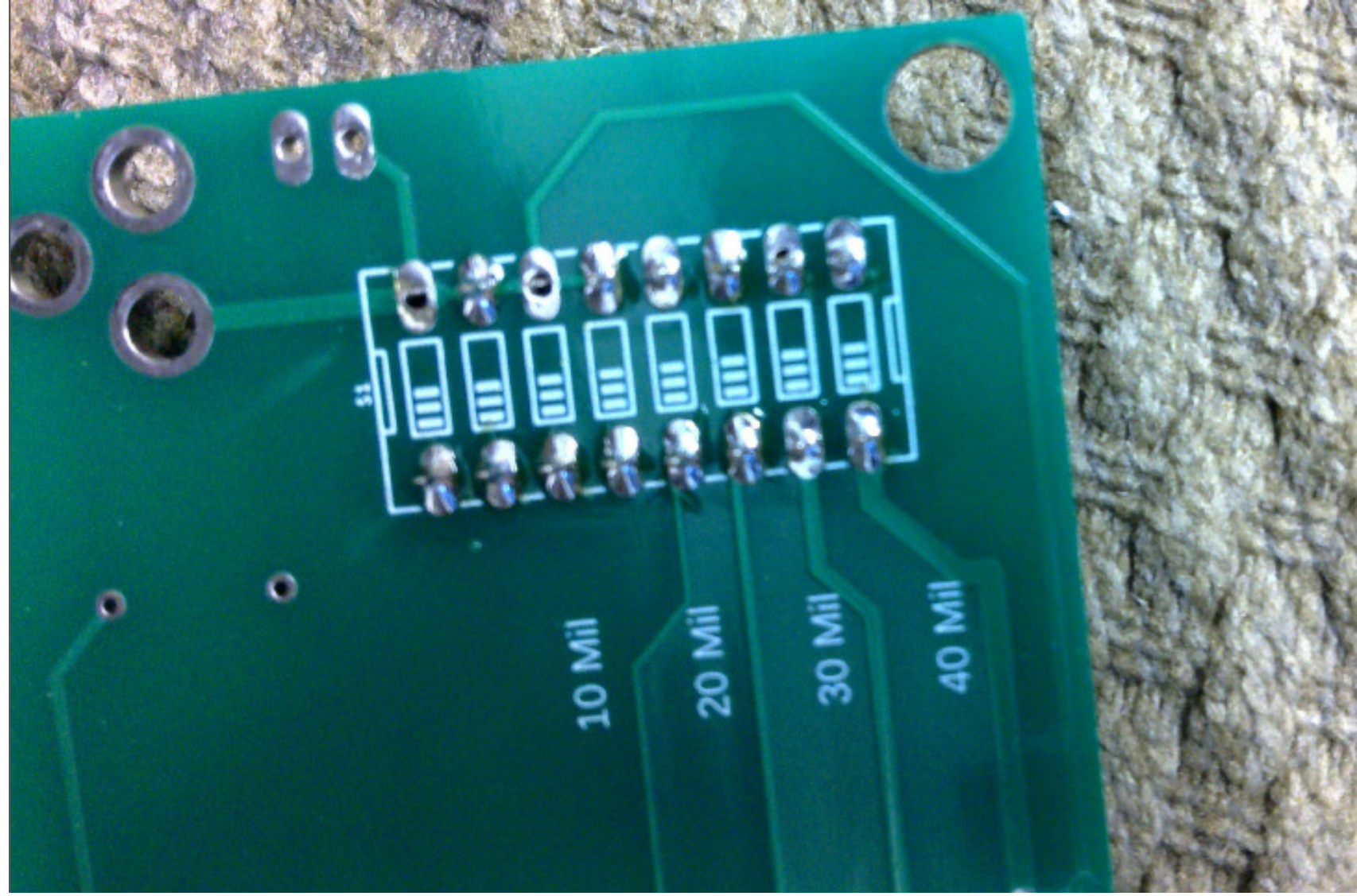


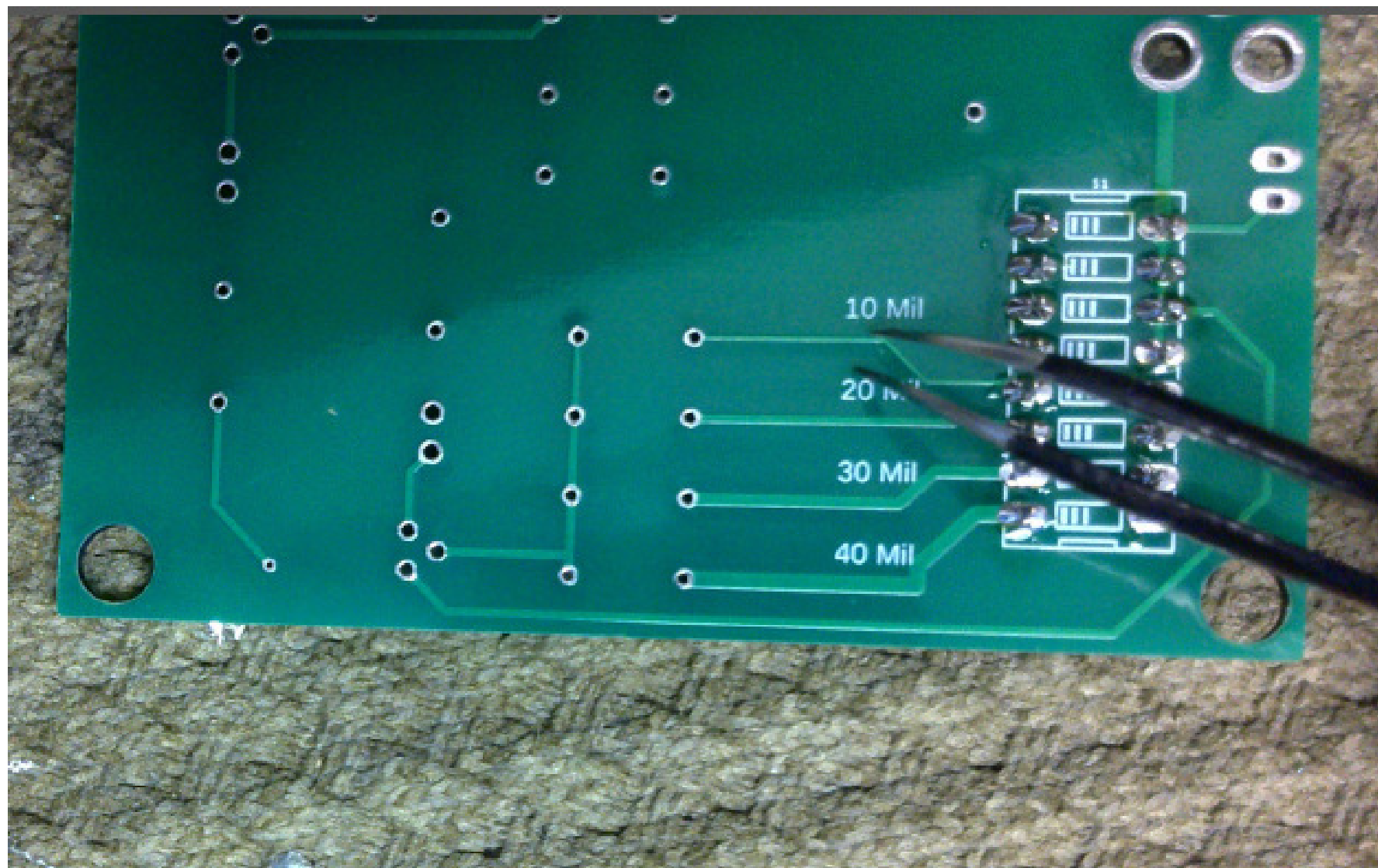
To maintain optimal soldering performance, use a wet solder sponge for the following reasons:

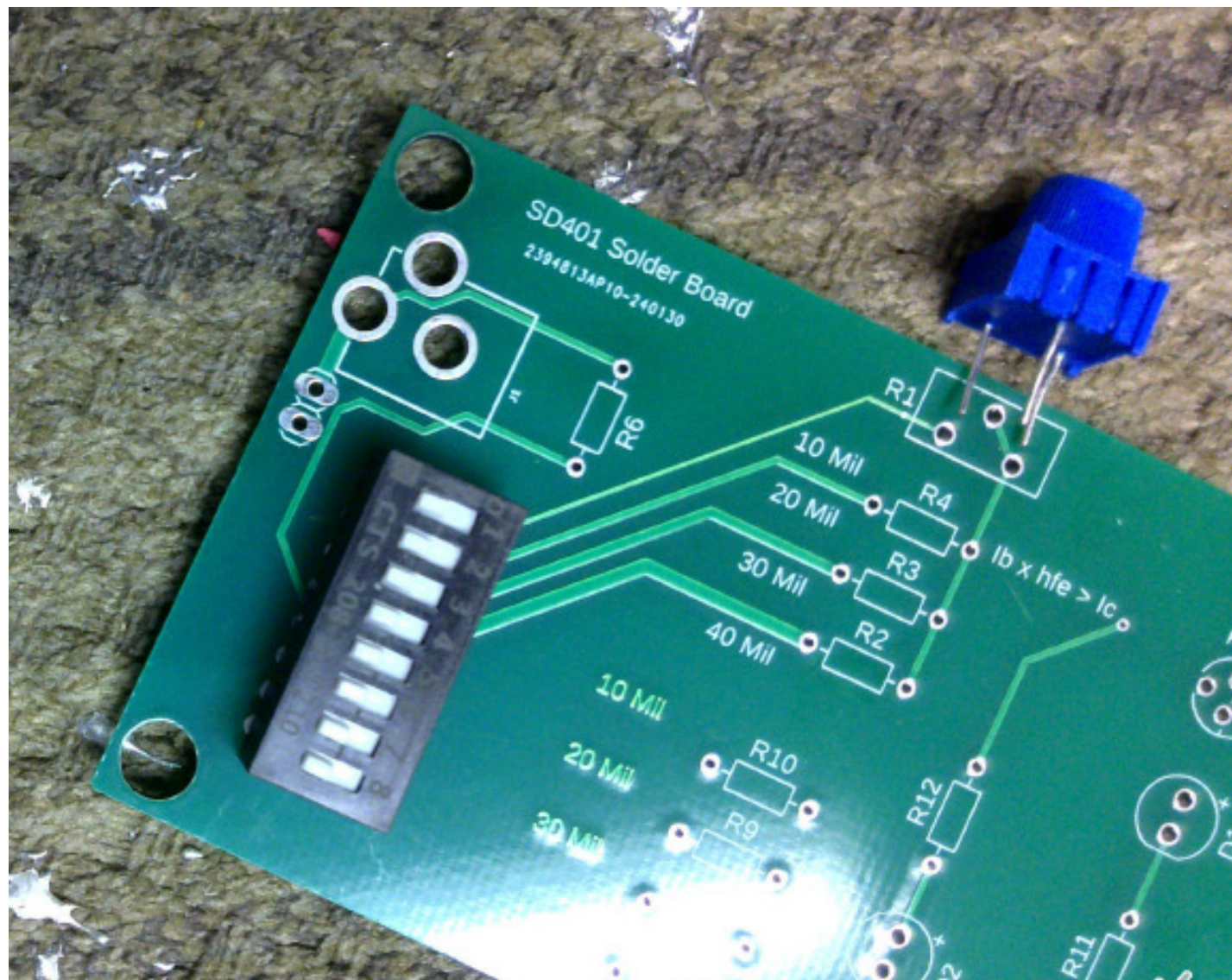
- Cleans the soldering iron tip effectively, removing oxidation.
- Ensures better heat transfer by keeping the tip clean.
- Prevents solder from balling up and promotes smooth application.
- Extends the lifespan of the soldering iron by reducing buildup.
- Helps achieve stronger solder joints by ensuring proper contact.

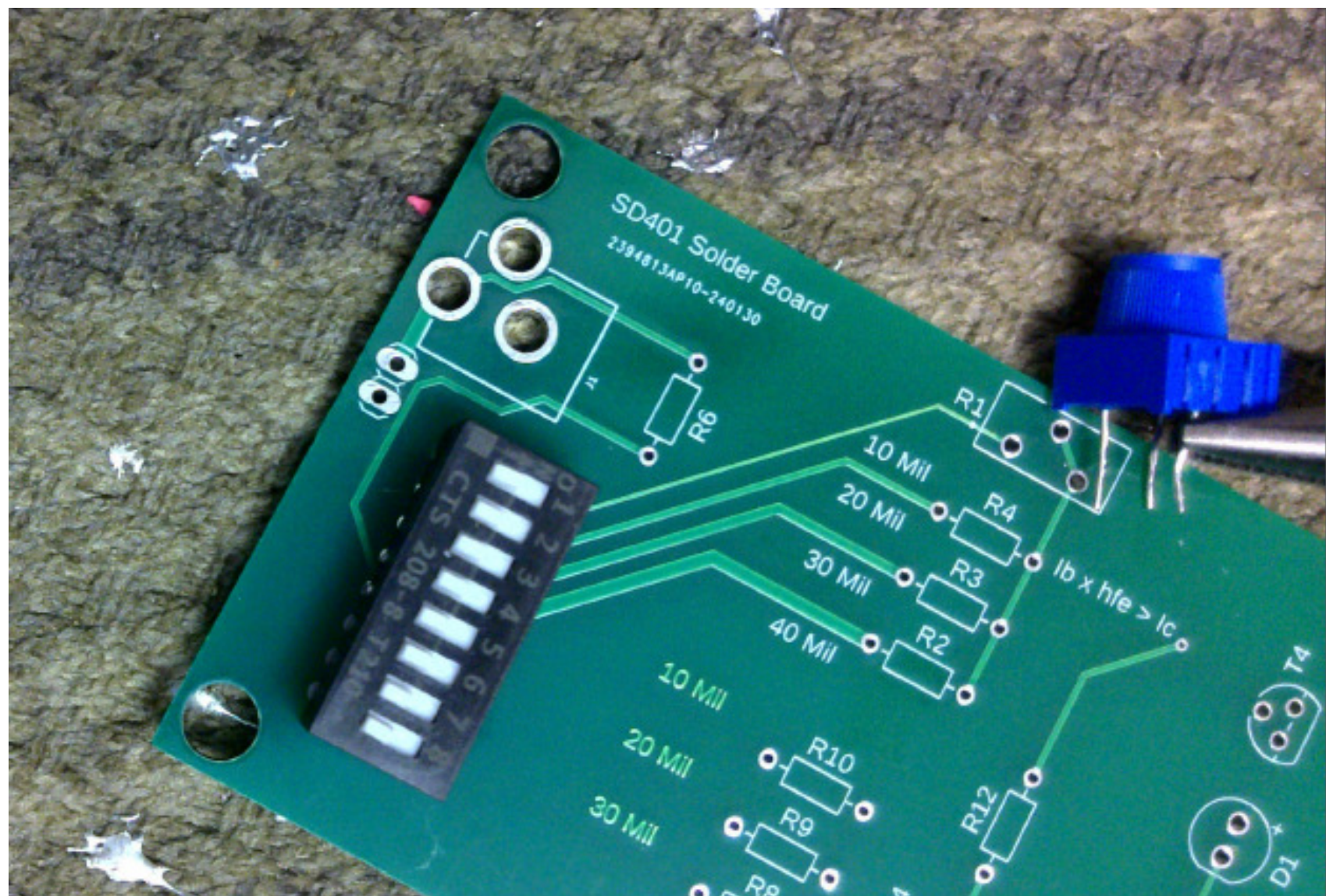


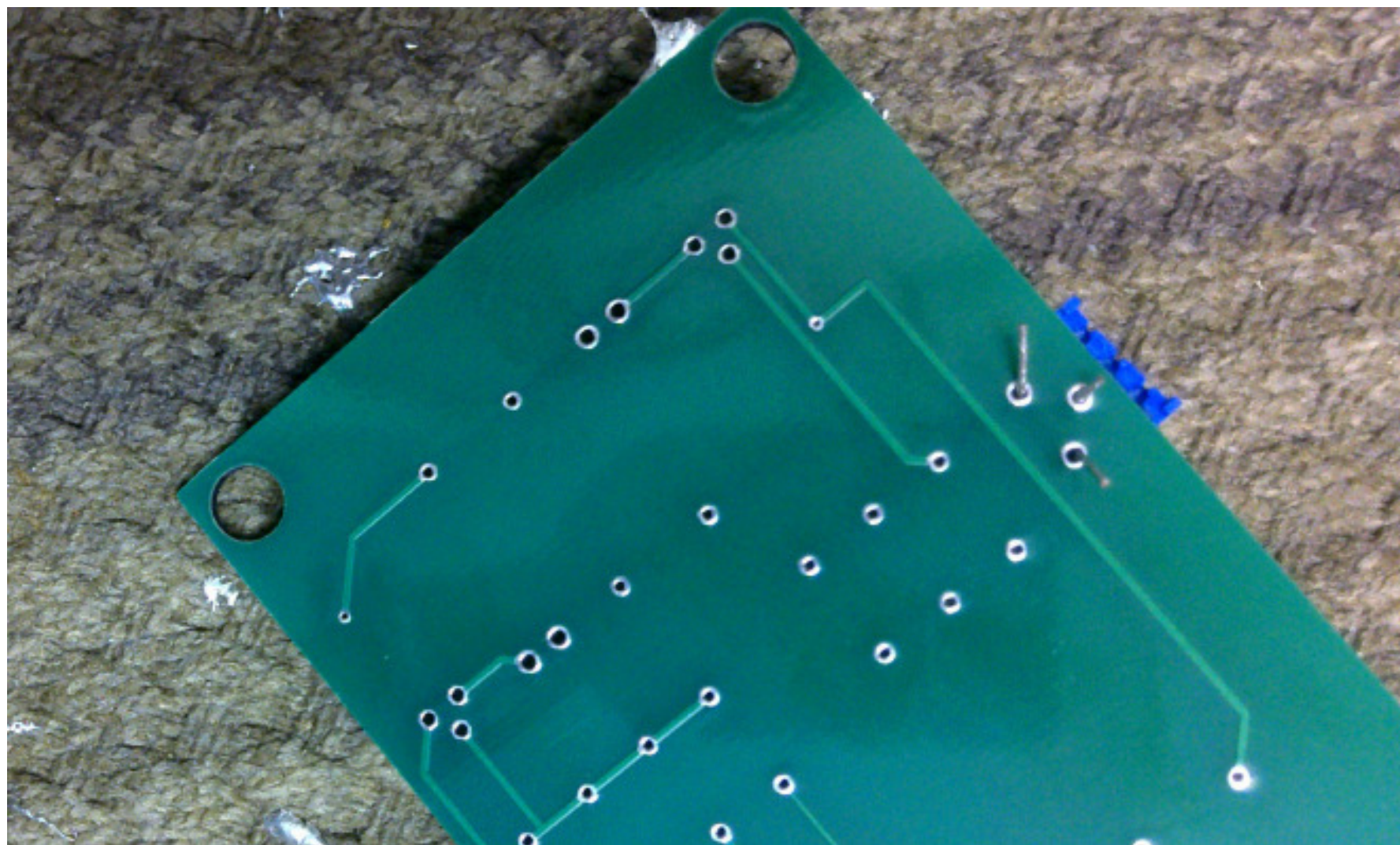


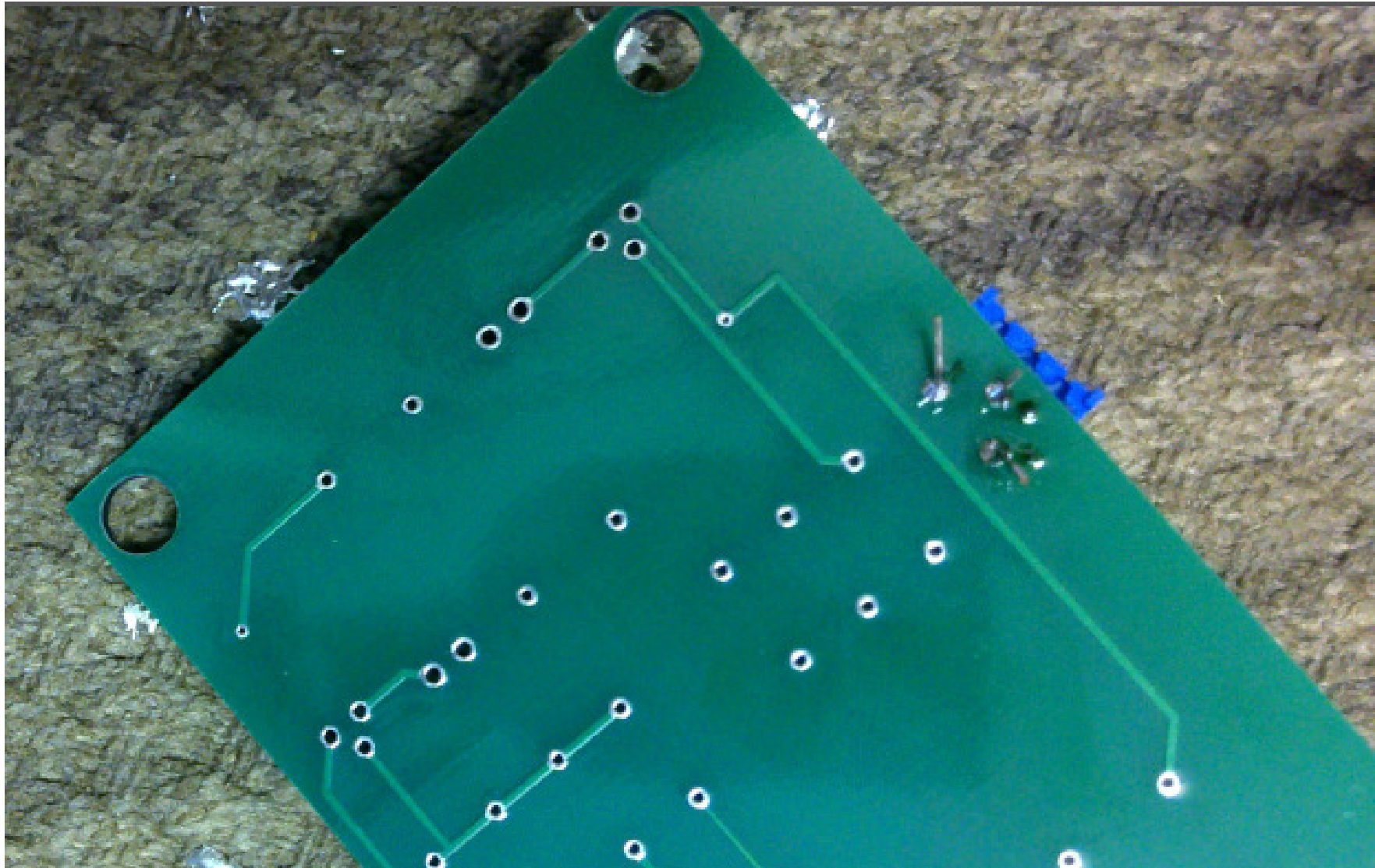


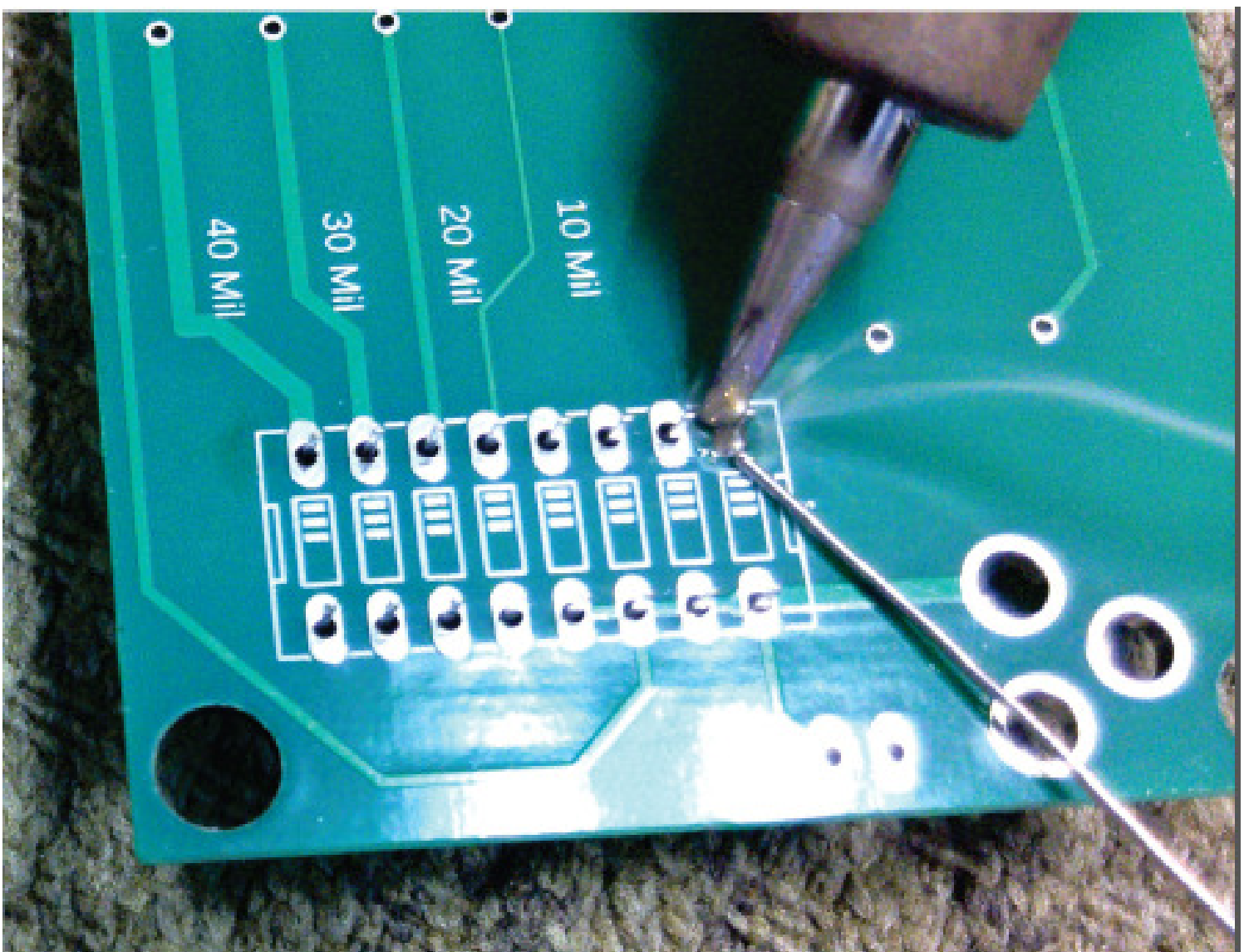


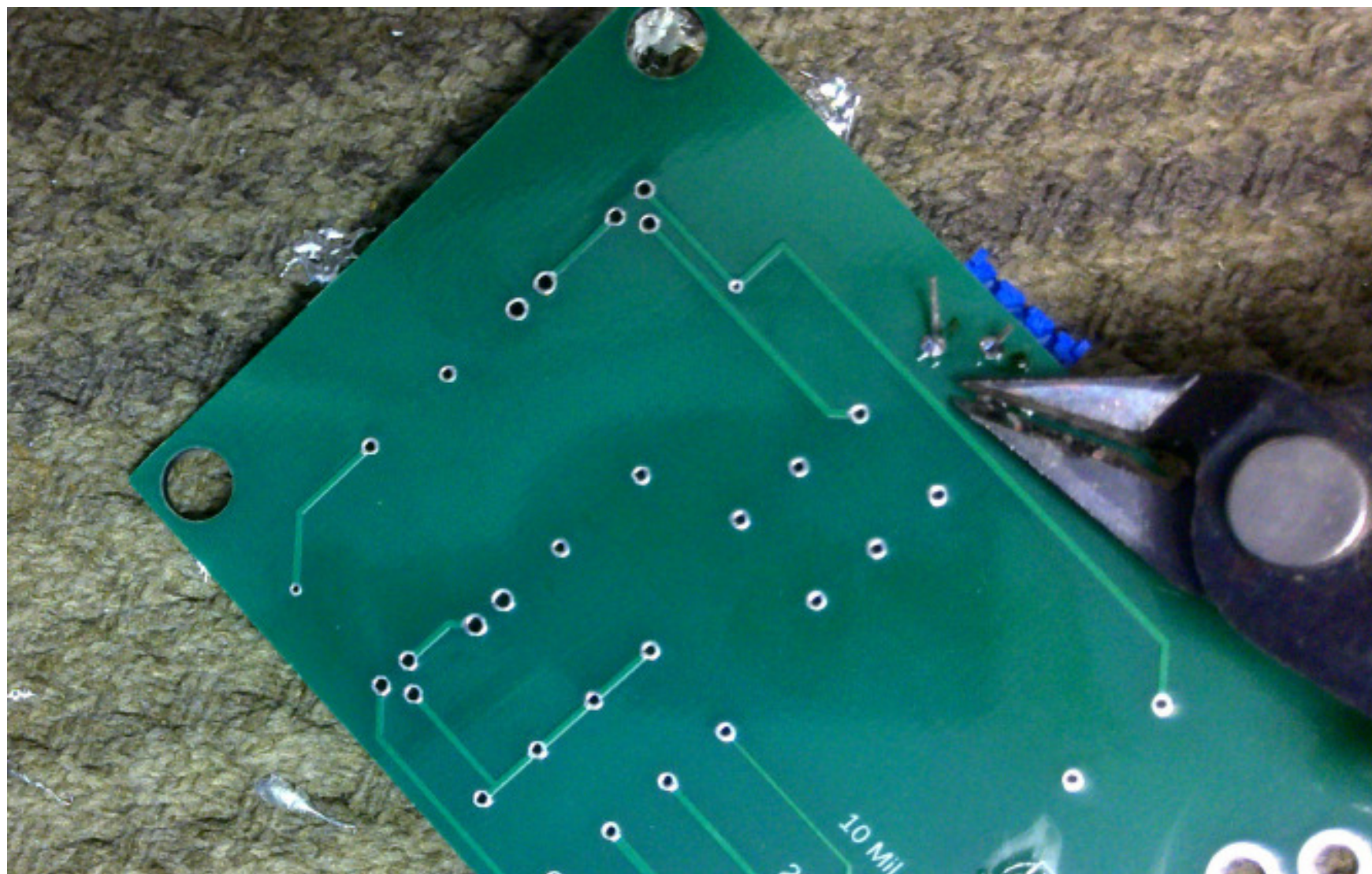


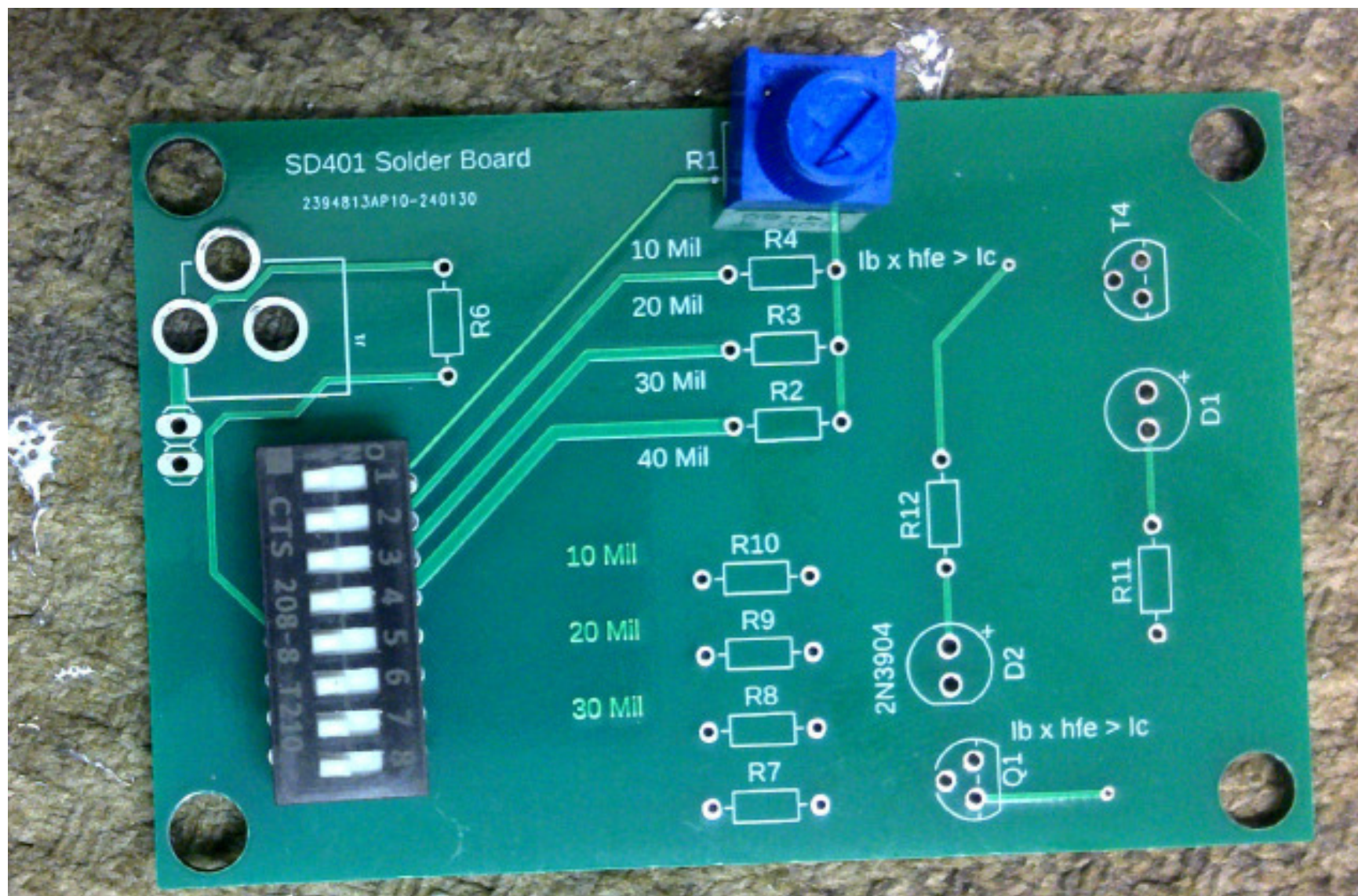


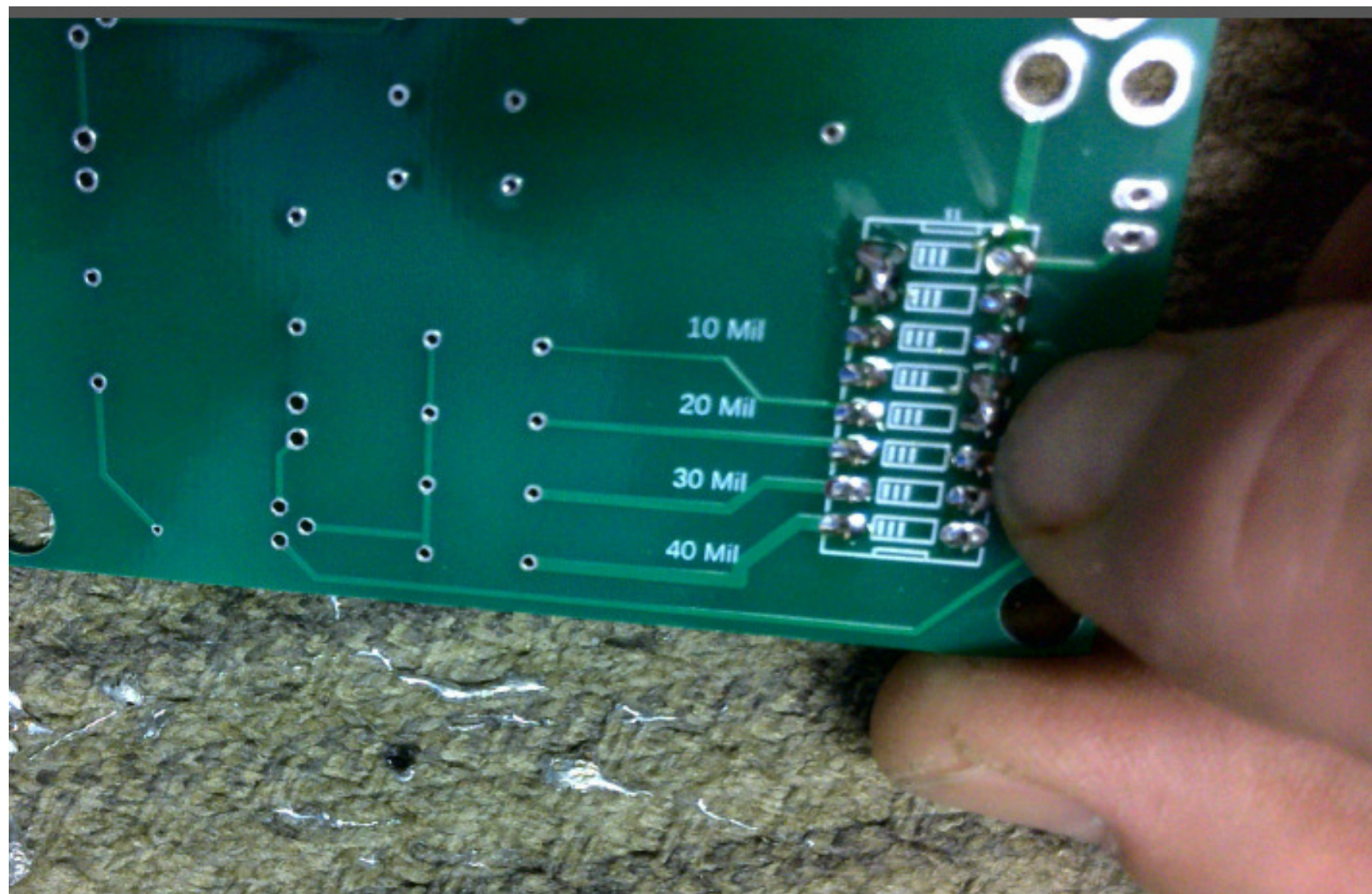




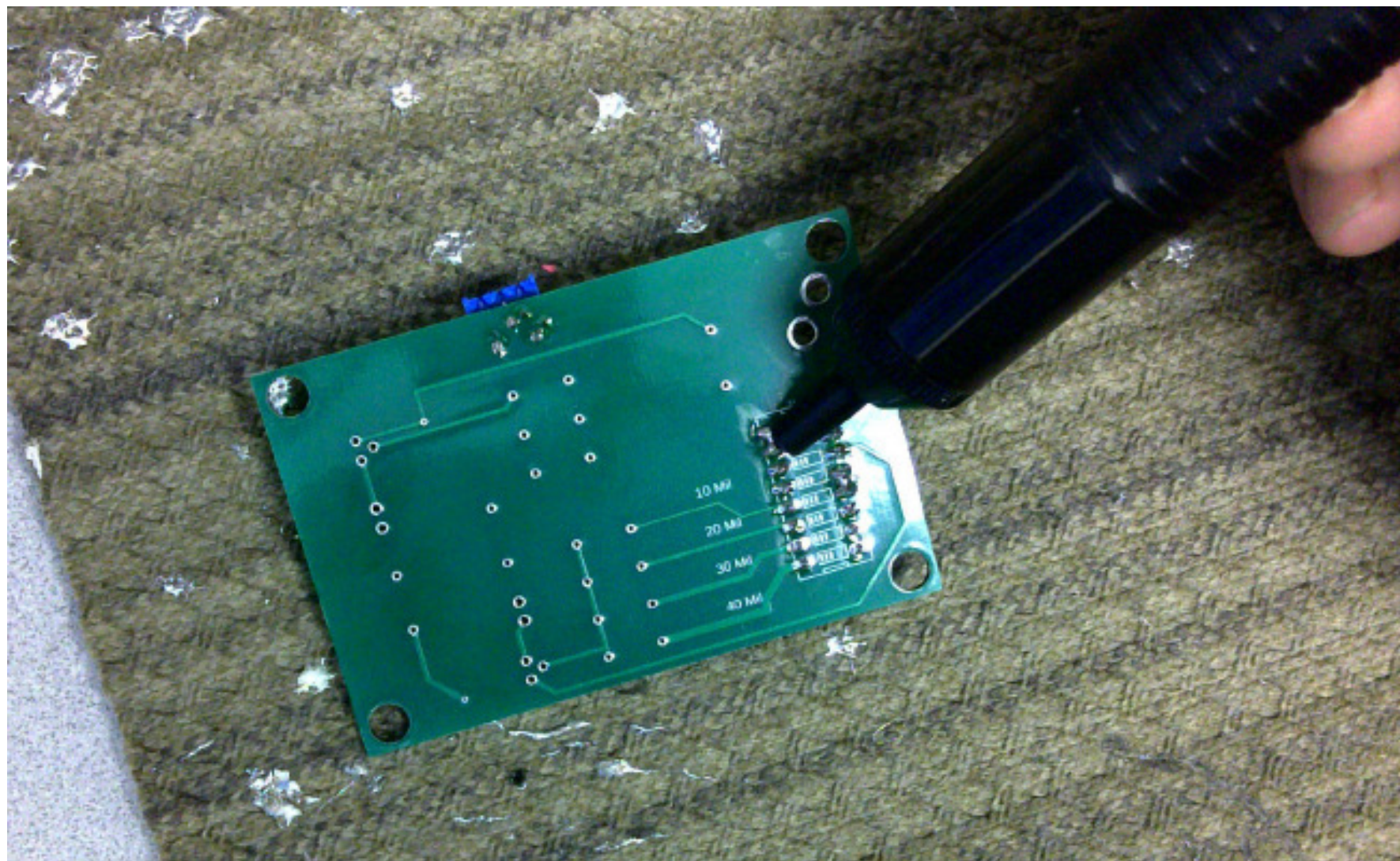






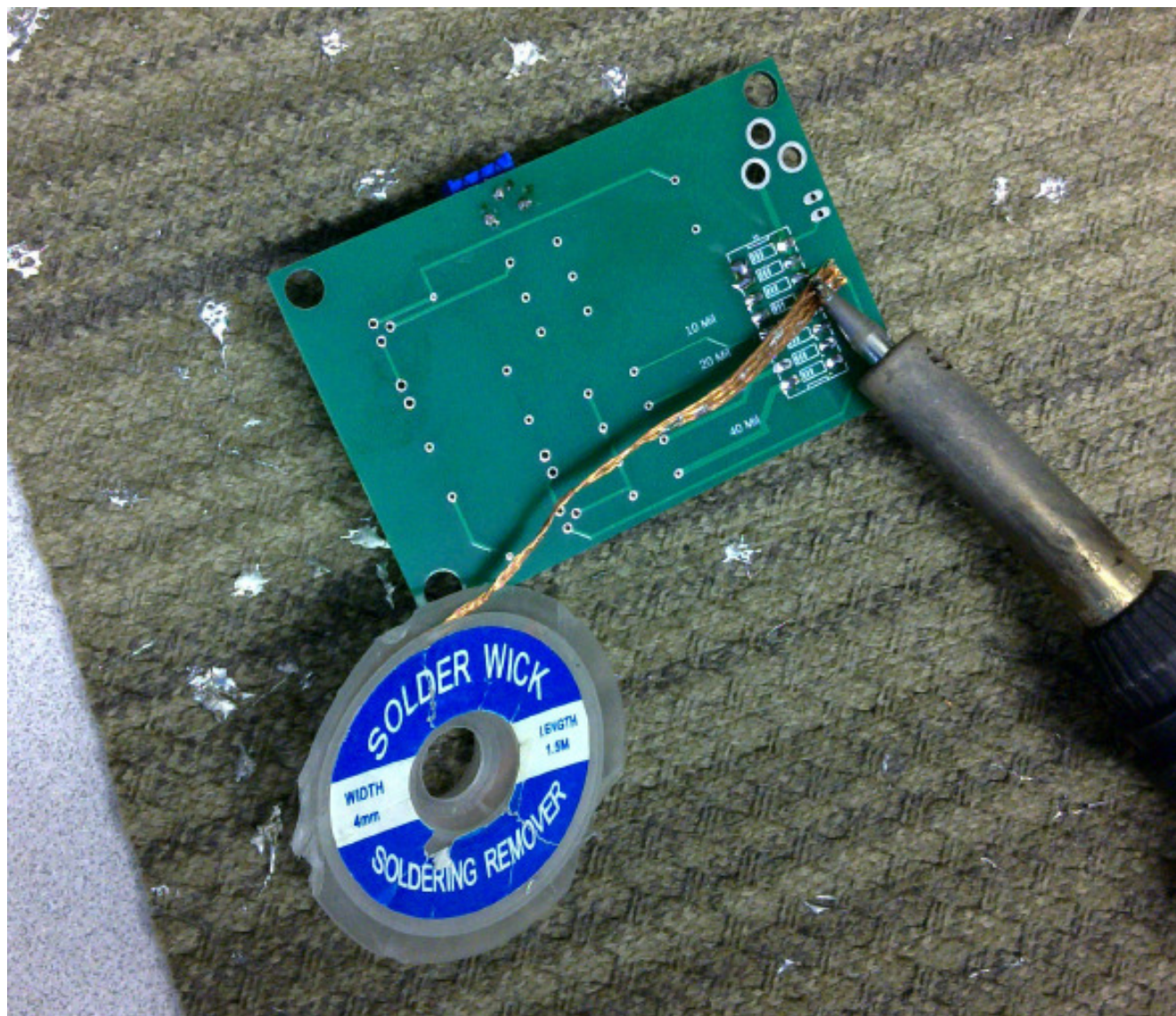


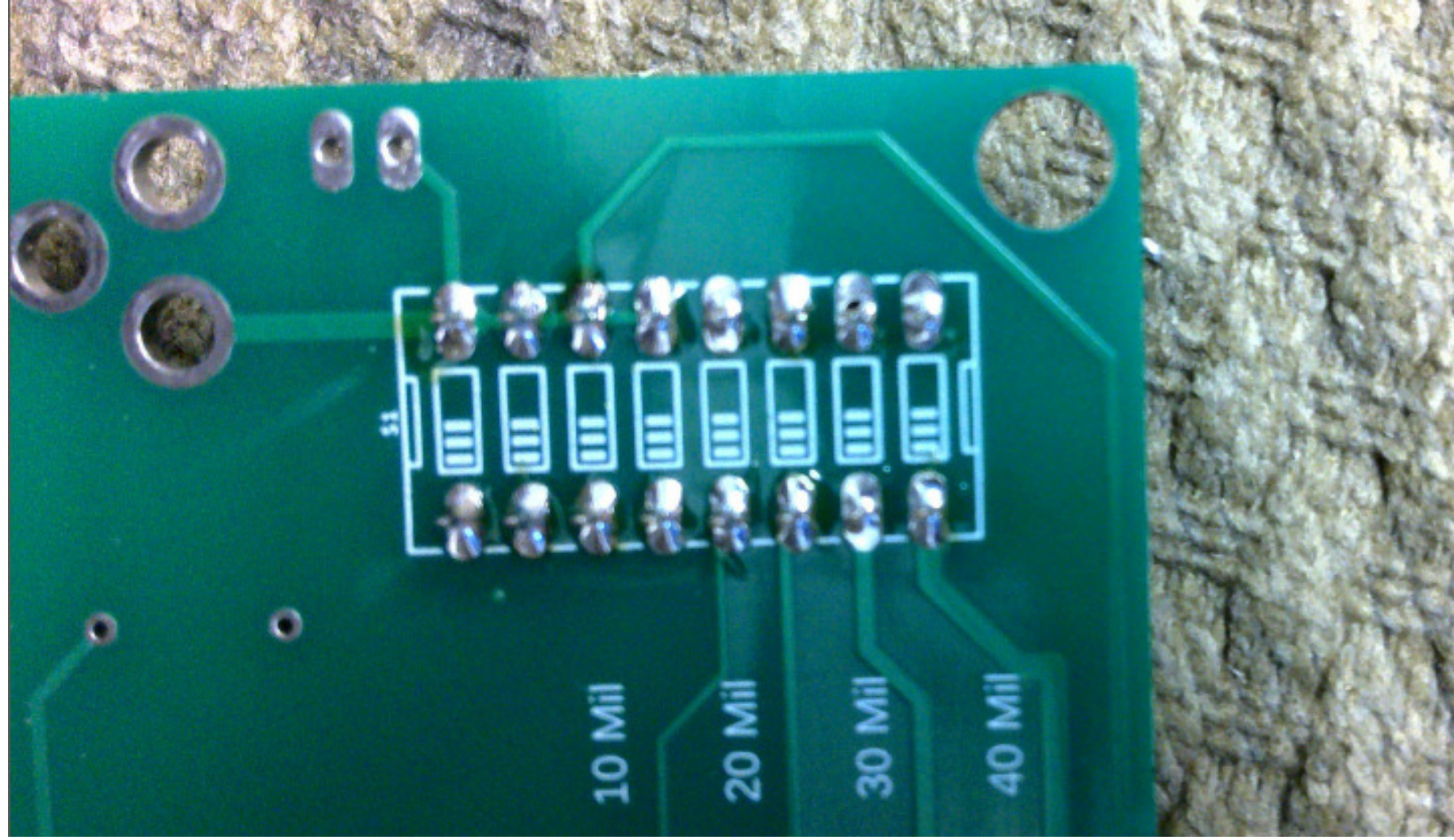


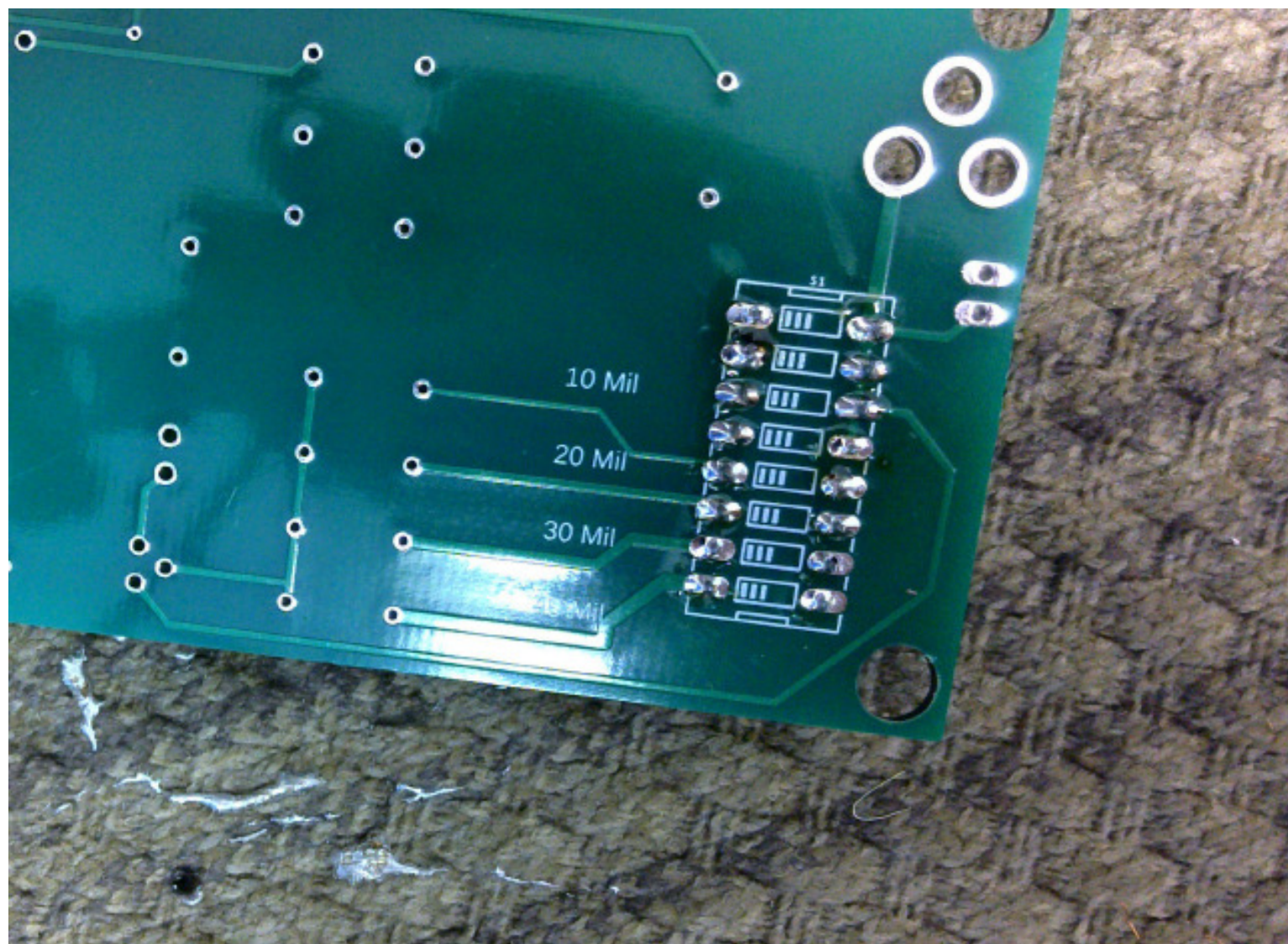


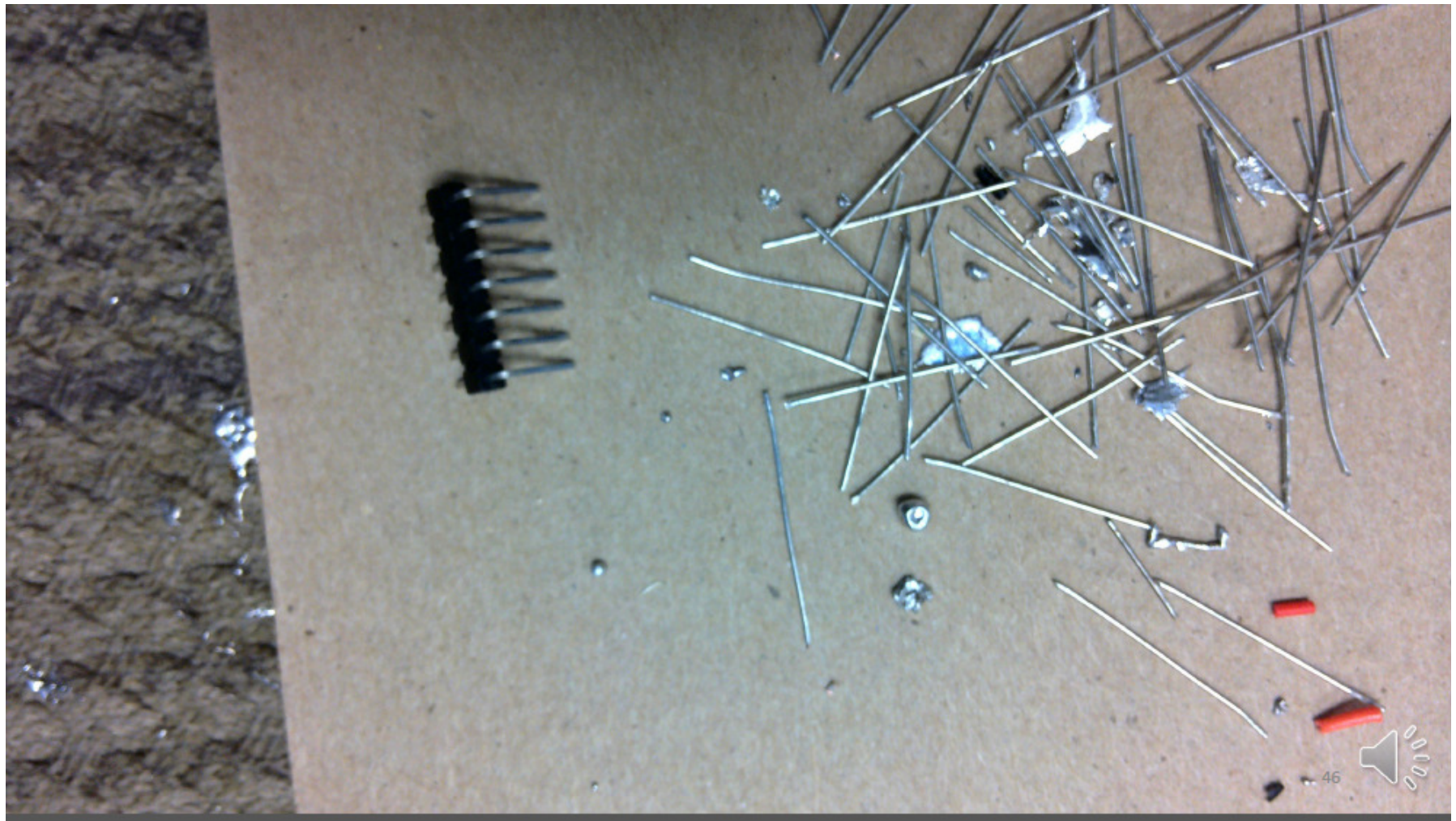






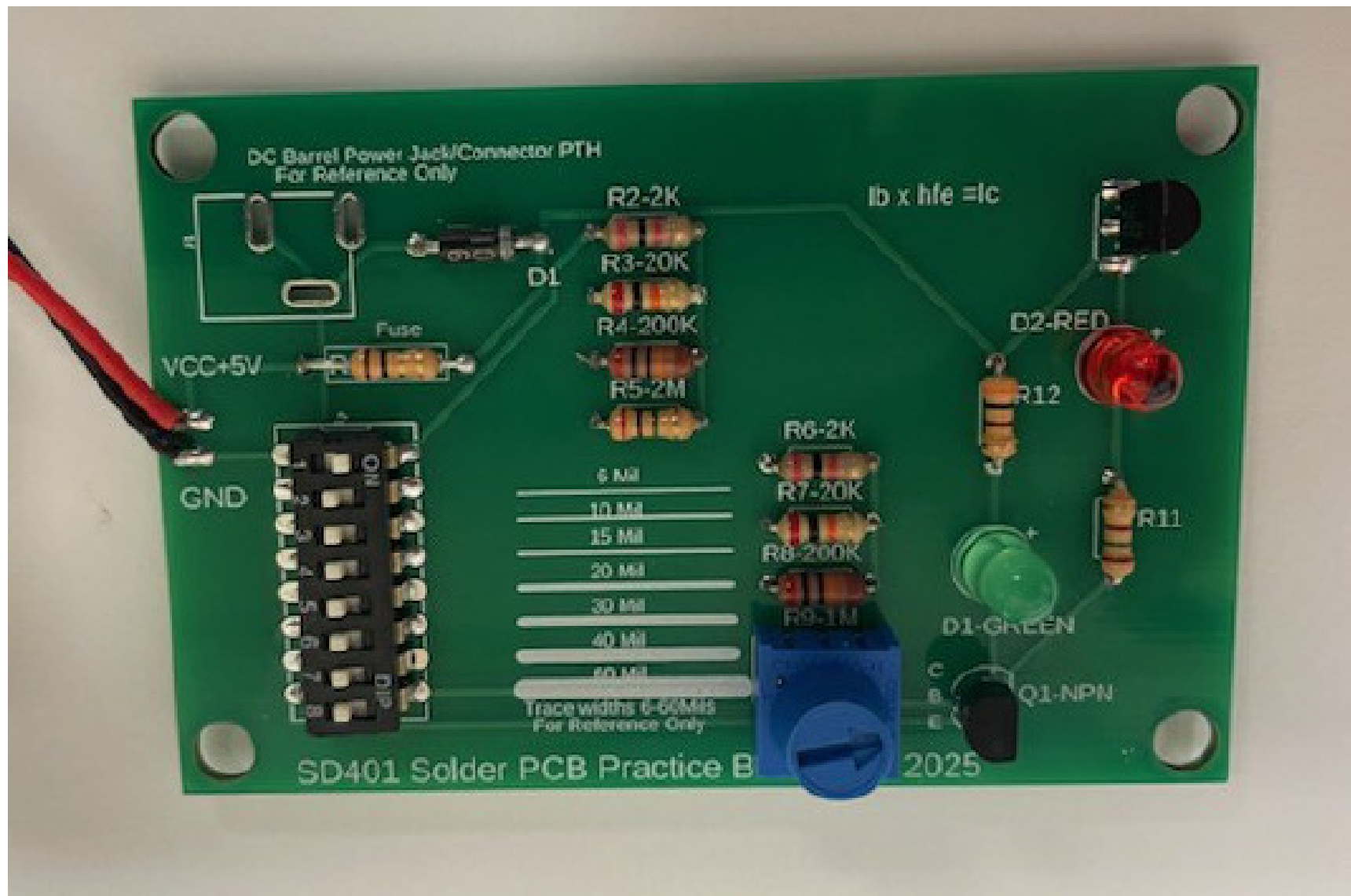






SDG #066 Solder Through-hole Components - Soldering
Techniques #02 4:44

<https://www.youtube.com/watch?v=vAx89WhpZ3k>



SD 401 Solder plate

