



BITNG LAB UPDATE

Carl Demolder

Date 5/27/2021

Progress from last week

- Shriner's project
 - Literature review revisions
 - Laser cutter training
 - PCB redesign
- LP ECG
 - PCB redesign
- Chip socket programmer
 - Waiting for components

SHRINER'S PROJECT

Literature review revisions

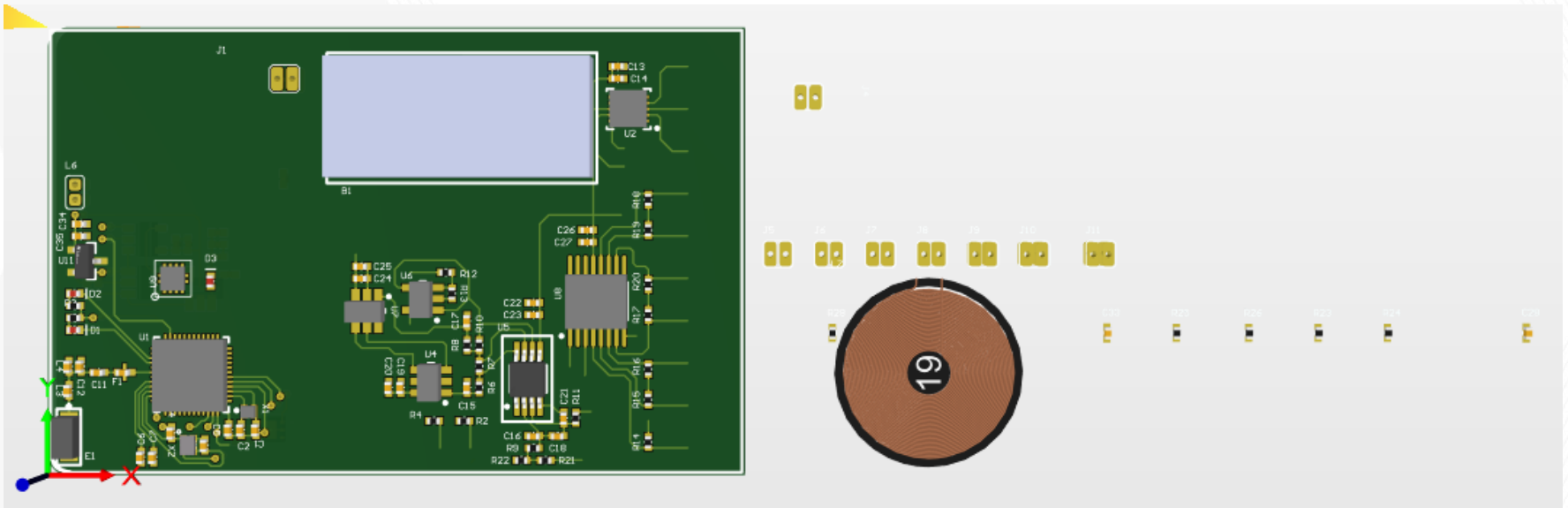
- Editor revisions
 - Completed
 - Waiting for Dr. Hammond's revisions

Laser cutter training

- Laser cutter training
 - Completed
- Laser cut strain sensors
 - Training session: 5/28

WSG PCB redesign

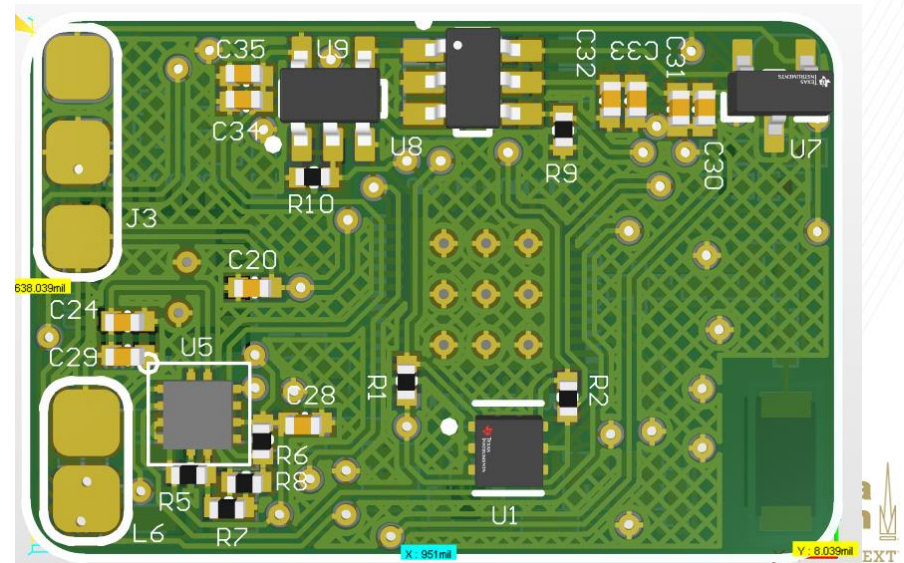
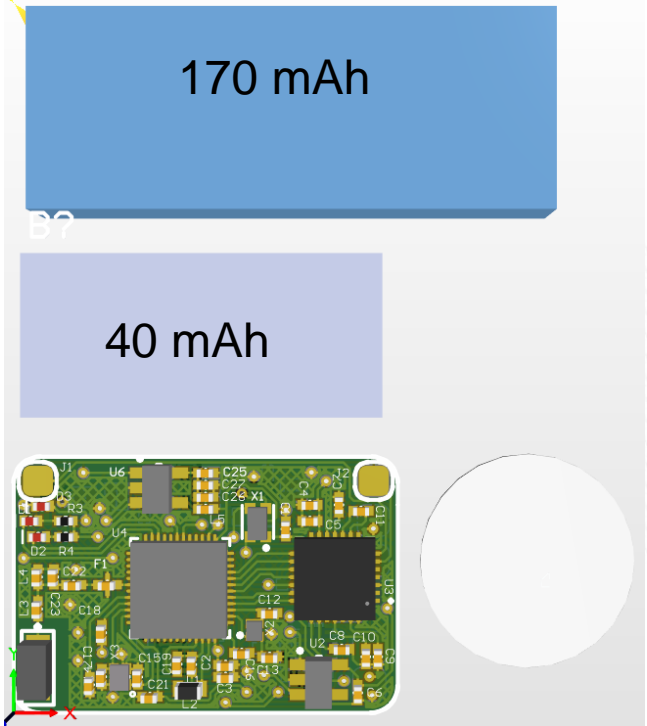
- Currently redesigning flex PCB



SHRINER'S PROJECT

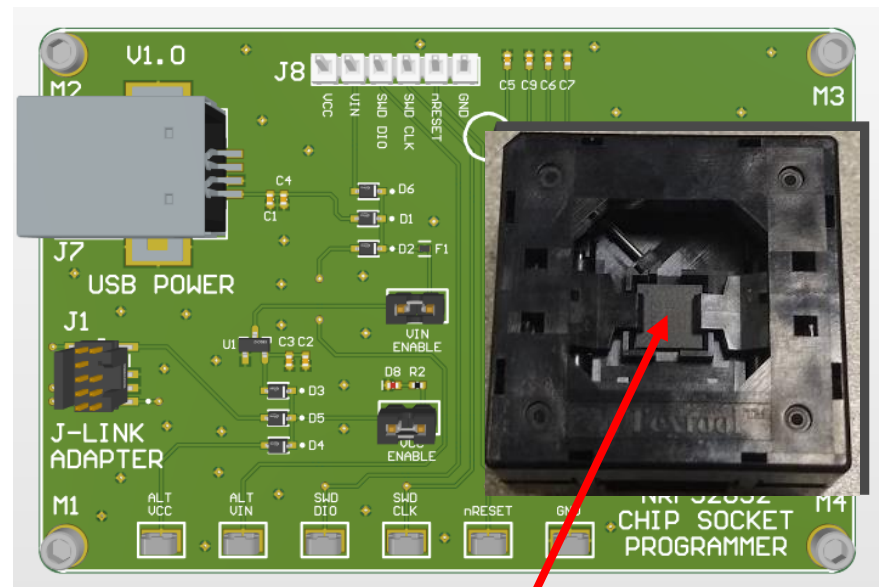
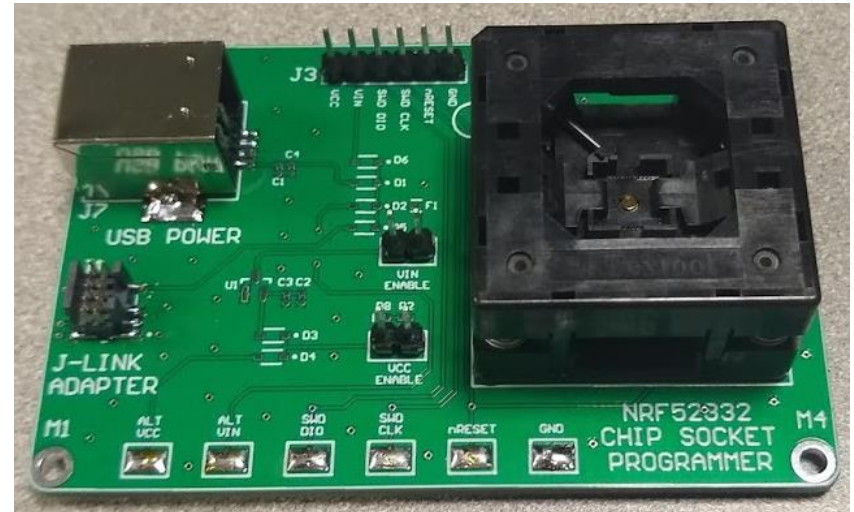
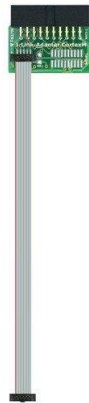
LP-ECG PCB Redesign

- Dimensions
 - 0.95" x 0.64"
- Ground Plane = Cross hatch
 - More flexible PCB
 - Rounded corners
- More efficient LDOs
- **Waiting to be ordered...**



Chip Socket Programmer

- ORDERED
- DELIVERED
- COMPONENTS: 5/31



NRF52

PATH FORWARD

Path forward (5/24/21 – 5/31/21)

- Shriner's Project:
 - PCB redesign
 - Strain sensor laser cutting

APPENDIX