BITNG PROJECT UPDATE

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Date 10/26/2020

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Outline

- Progress to date

- Shriner's project

- Schedule
    - Gantt Chart update

- Path forward

PROGRESS TO DATE
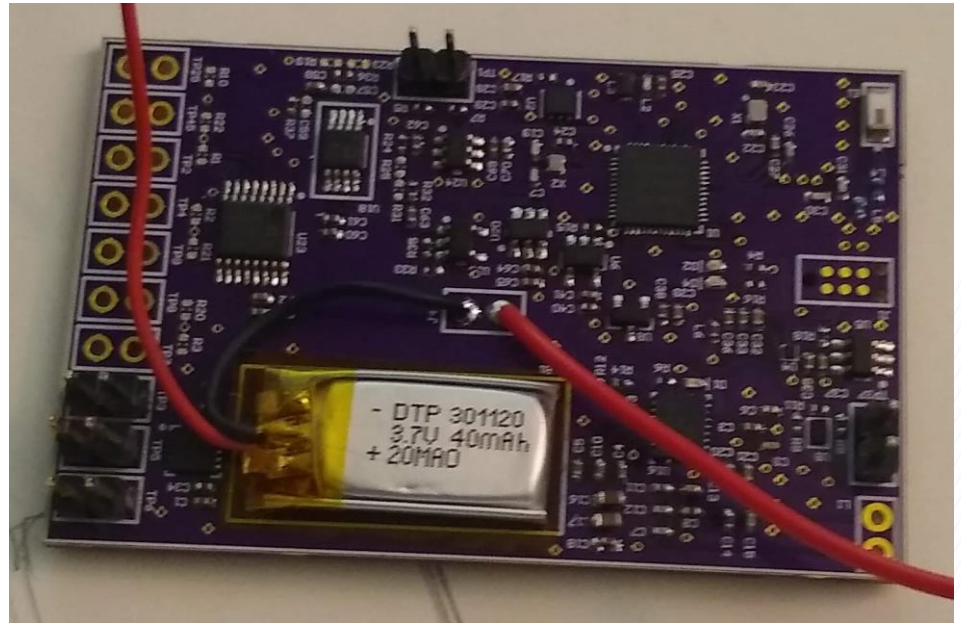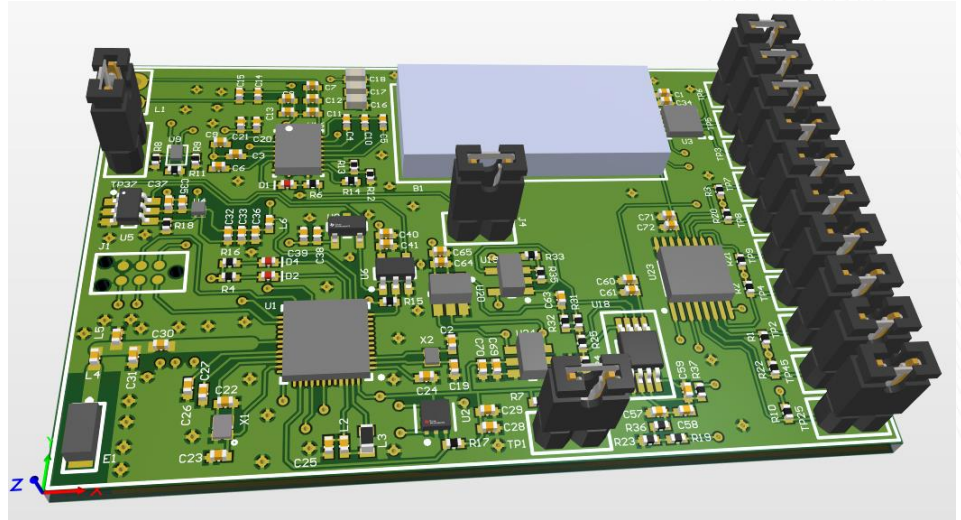
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Progress from last week

- Shriner's project
    - Capacitance sensor manufacturing
    - IRB proposal [revision]
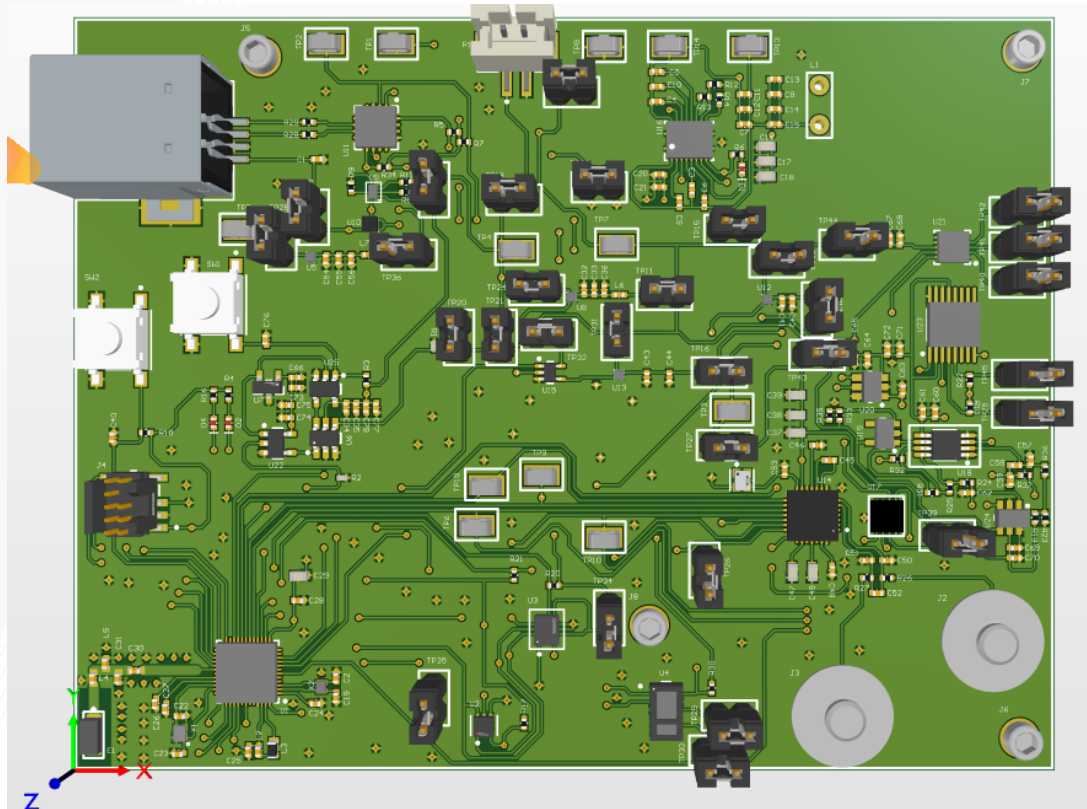   - PCB assembly
- LP ECG

SHRINER'S PROJECT

PCB design

- PCB: Arrived
- Stencil: Arrived
- Digikey: Arrived
- Assembly: Complete
- Hardware Debug: TO DO
- Programming Check: TO DO

LP ECG PROJECT

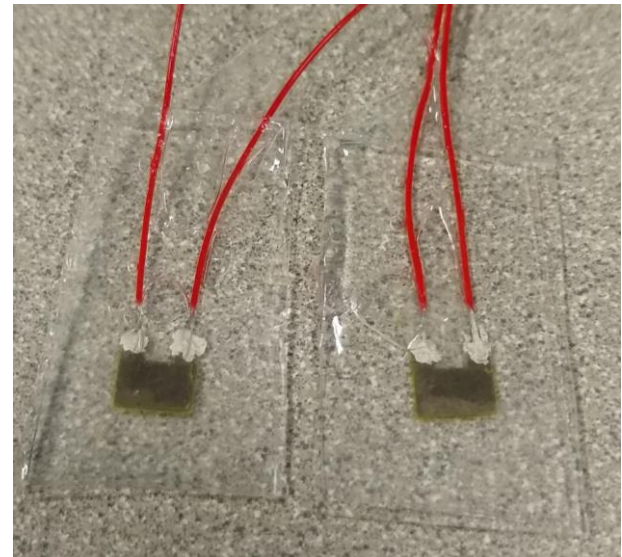Georgia Tech

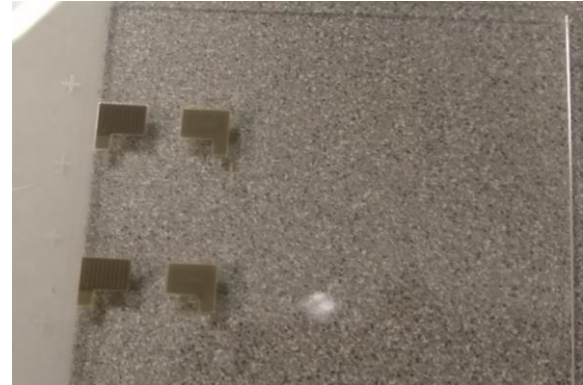CREATING THE NEXT

PCB design

- PCB: Ordered
- Stencil: Arrived
- Digikey: Arrived

CAPACITANCE SENSOR

Capacitance sensor

- PDMA: Finished
- PI: Finished
- AG: Finished
- PDMS: Finished
- ASSEMBLY: Finished
- ENCAPSULATION: Finished
- Characterization: TO-DO

IRB PROPOSAL

IRB proposal

- Initial Draft X01:
  - Initial Draft sent to Dr. Yeo on Tuesday (10/13)
- Revision X02:
  - Will finished by the end of the day, Monday, (10/26)

PATH FORWARD

Path forward (10/26/20 – 11/02/20)

- Shriner's Project:
  - Literature review
    - Add more sources to tables
  - Sensor Manufacturing:
    - Capacitance sensors (2X)
      - Characterization
    - IEN Equipment sign off
  - IRB:
    - Revision X02
- LP ECG:
  - PCB assembly
  - Firmware development

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SCHEDULE

Schedule Gantt chart

Task	10/18-10/25	10/25-11/01	11/01-11/08	11/08-11/15	11/08-11/15	11/16-11/23	11/23-11/30
LOW POWER ECG							
-PCB ASSEMBLY		🔵					
-HARDWARE DEBUGGING		🔵					
-FIRMWARE DEVELOPMENT		🔵					
NEUROMOTOR PEDIATRIC WEARABLE							
-LITERATURE REVIEW	✖	🔵					
-PCB ASSEMBLY	✖						
-HARDWARE DEBUGGING		🔵					
-FIRMWARE DEVELOPMENT							
-PRESSURE SENSOR MANUFACTURING	✖	🔵					
-IRB PROPOSAL	✖	🔵					

LEGEND

✖ FINSHED

🔵 TO-DO

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APPENDIX