



# BITNG PROJECT UPDATE

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Date 10/29/2020

# Outline

- Progress to date
- Shriner's project
- Schedule
  - Gantt Chart update
- Path forward

# PROGRESS TO DATE

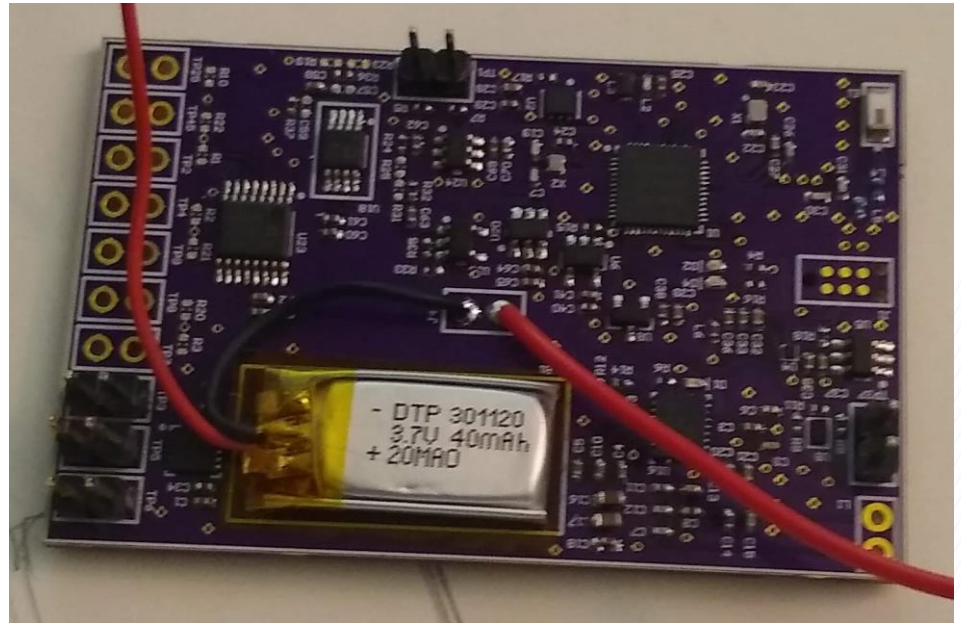
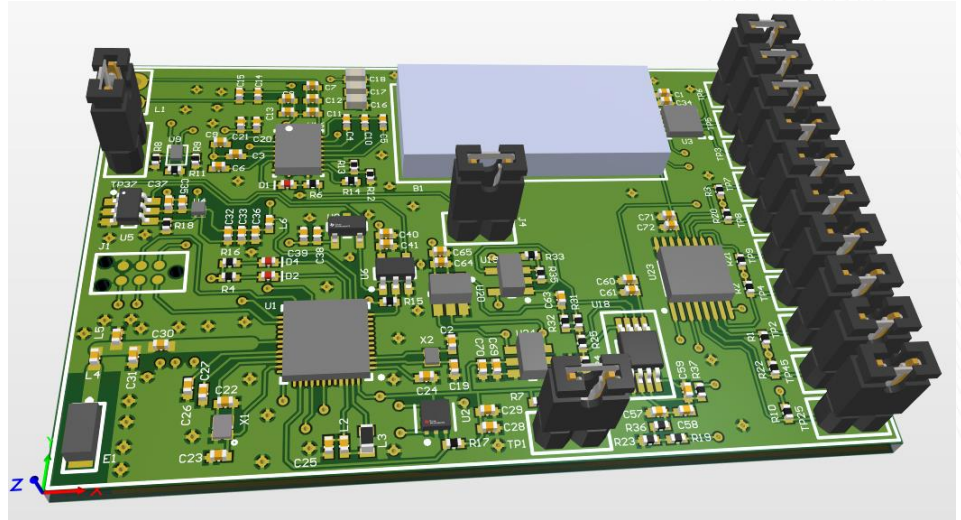
# Progress from last week

- 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

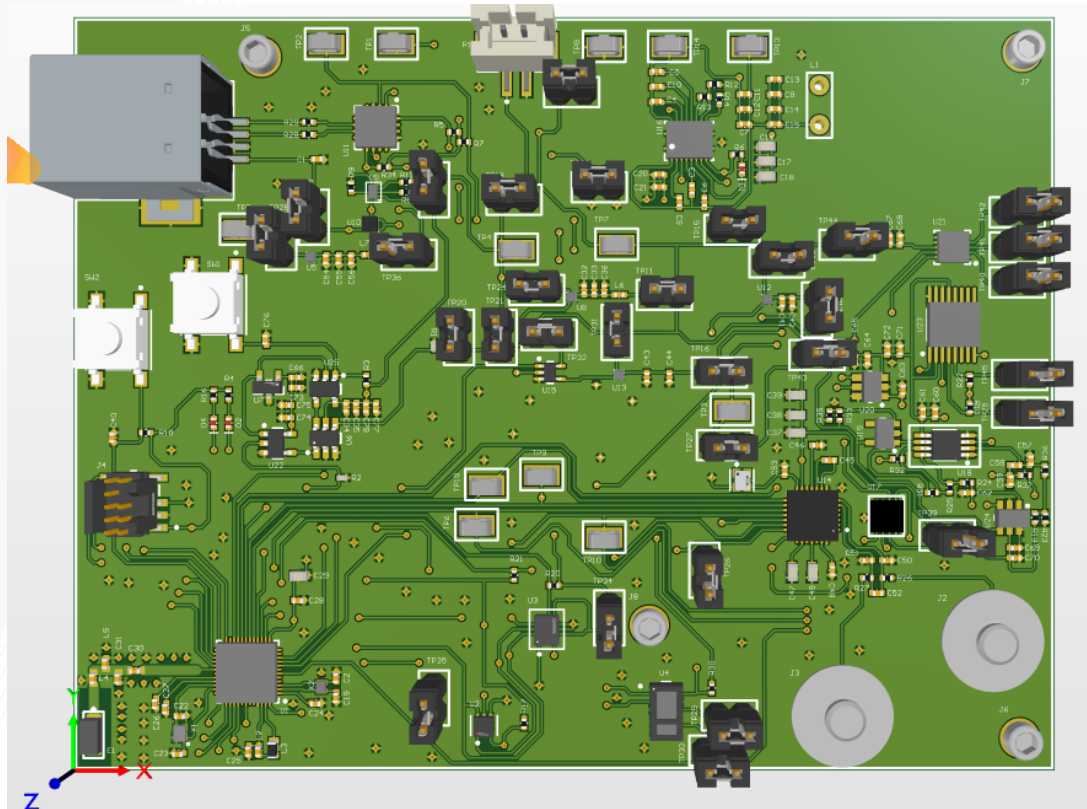


# LP ECG PROJECT



# PCB design

- PCB: Arrive by Friday 10/30
- Stencil: Arrived
- Digikey: Arrived

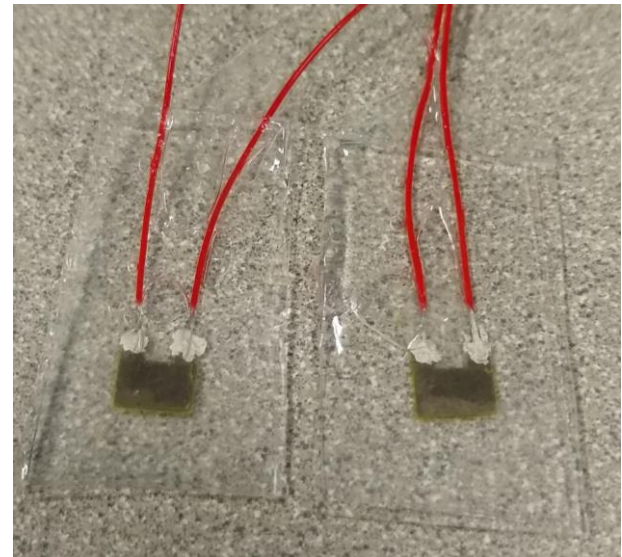
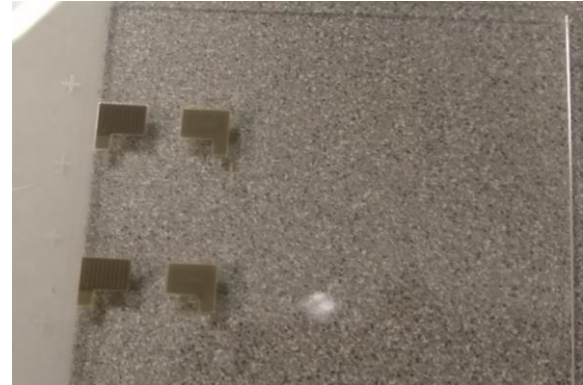




# CAPACITANCE SENSOR

# 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:
  - Sent to Dr. Yeo on Monday, (10/26)
- Revision X03:
  - Sent to Dr. Yeo on Wednesday (10/29)

# 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

# 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

-  FINISHED  
 TO-DO

# APPENDIX