BITNG PROJECT UPDATE

Carl Demolder

Date 12/28/2020

Outline

- Progress to date

- LP ECG

- Schedule
    - Gantt Chart update

- Path forward

PROGRESS TO DATE

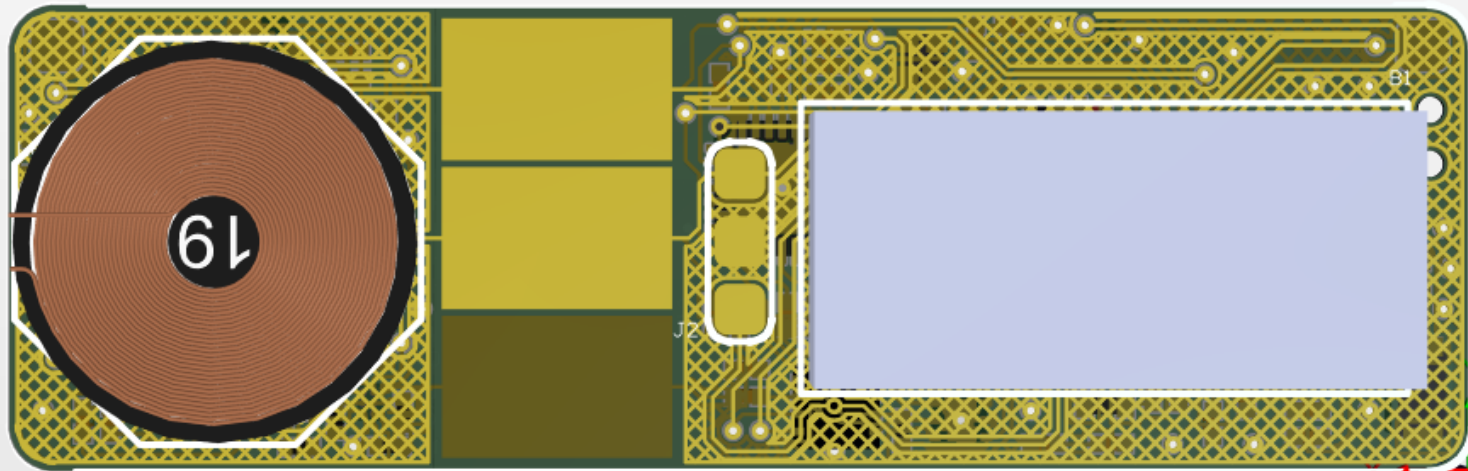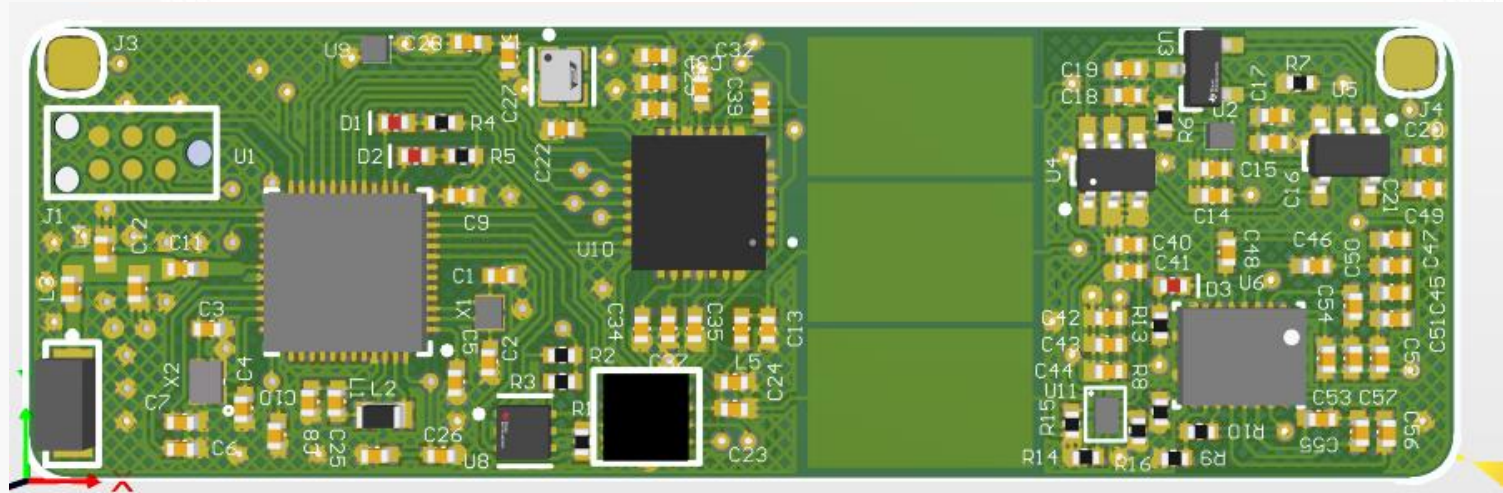# Progress from last week

- LP ECG
  - Firmware development
  - ~~PCB layout~~

LP ECG PROJECT

Firmware

- ECG
  - ~~MAX30003~~
    - ~~Drivers~~
  - ~~Optimization~~
- FRAM
  - ~~CY15B108QI~~
    - ~~Drivers~~
  - ~~Optimization~~
- NRF52
  - ~~BLE~~
  - ~~Power Optimization~~
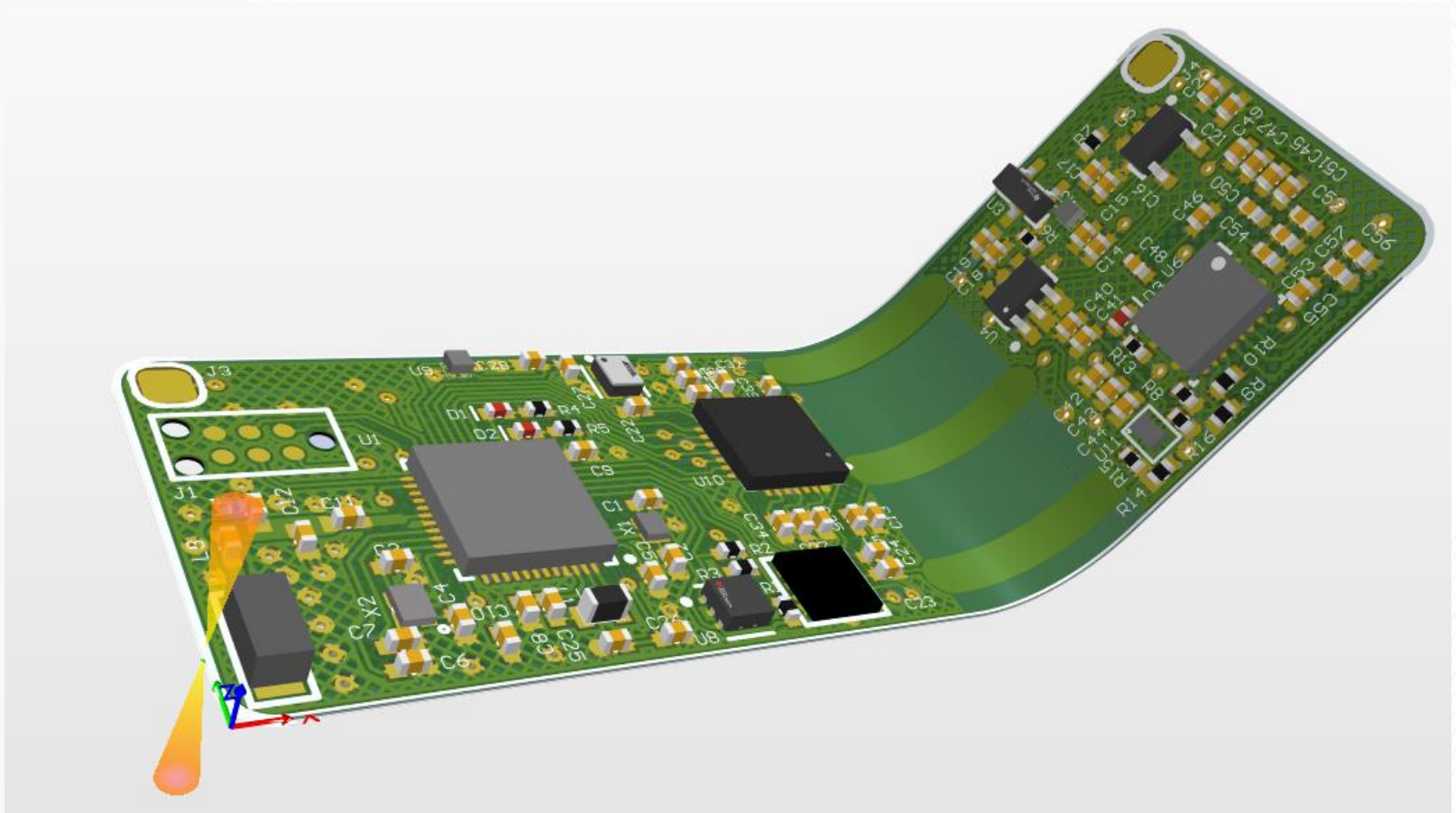 - ~~RTC~~
- ~~Debugging~~

PCB layout

PCB layout

- SUBMITTED

PATH FORWARD

Path forward (12/28/20 – 1/4/20)

- ~~LP ECG:~~
  - ~~Firmware development~~
  - ~~Flexible PCB design~~
- Shriner's Project:
  - Literature review
    - Tables and figures

SCHEDULE

Schedule Gantt chart

Task	12/07-12/14	12/14-12/21	12/21-12/28	12/28-1/4	1/4-1/11	1/11-1/18	1/11-1/18
LOW POWER ECG							
-PCB ASSEMBLY							
-HARDWARE DEBUGGING							
-FIRMWARE DEVELOPMENT	✖	✖					
-PCB DESIGN	✖						
NEUROMOTOR PEDIATRIC WEARABLE							
-LITERATURE REVIEW		●					
-PCB ASSEMBLY							
-HARDWARE DEBUGGING							
-FIRMWARE DEVELOPMENT		●					
-PRESSURE SENSOR MANUFACTURING							
-STRAIN SENSOR MANUFACTURING							

LEGEND

✖ FINSHED

● TO-DO

Georgia Tech
CREATING THE NEXT

APPENDIX