

## **Senior Design 492 Weekly Report 23**

**Week 18 (3/8/16 – 3/14/16)**

**May1624 -- Programmable Wireless Sensor Package for CprE Education**

**Advisor/Client:** Dr. Thomas Daniels

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### **Team Members -- Roles:**

Yidong Liu – Team Leader

Xinian Bo – Team Webmaster

Niklas Jorve – Team Communication Leader

Branden Sammons – Key Concept Holder, Secretary

Jonathan Krueger – Key Concept Holder, Manager

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### **Weekly Summary:**

This week we reviewed the data pin connections of the first prototype of the PCB. We also created the necessary files to submit the PCB to production.

### **Weekly Accomplishments:**

1. Finished PCB prototype 1
2. Created Gerber files for PCB production
3. Sent PCB to production

### **Advisor Meeting (3/9/16):**

**Duration:** 2 Hours

**Members Attending:** Niklas Jorve, Jonathan Krueger, Branden Sammons, Yidong Liu, Xinian Bo

**Notes:** During this week's advisor meeting we reviewed the data pin and power connections on the ModelSim PCB draft.

### **Group Lab Meeting (3/10/16):**

**Duration:** 3 Hours

**Members Attending:** Niklas Jorve, Yidong Liu, Jonathan Krueger, Branden Sammons, Xinian Bo

**Notes:** During the group lab meeting we worked on placing each component on the PCB layout and created the Gerber files that will be sent to production

### Plans for Next Week:

1. Review PCB from production
2. Start working on presentation
3. Start working on PCB prototype 2 if necessary

### Individual Contributions:

Niklas Jorve	Worked on weekly report, attended meetings, worked on PCB layout and design
Yidong Liu	Meetings, PCB connection, PCB layout
Branden Sammons	Goals from last week: <ul style="list-style-type: none"><li>● Work on Software and begin minor testing.</li><li>● Rework Documentation to reflect recent changes.</li></ul> This week: <ul style="list-style-type: none"><li>● Did pin planning with the team.</li></ul> Goals for next Week: <ul style="list-style-type: none"><li>● Work on Software and begin minor testing.</li><li>● Rework Documentation to reflect recent changes.</li></ul>
Jonathan Krueger	Worked on pin planning and layout. Began work on testing for PCB.
Xinian Bo	PCB pin connections and layout

### Project Contributions:

Member	Project Time this week (hours)	Total Project Time (hours)
Niklas Jorve	8	134
Yidong Liu	20	142
Branden Sammons	5	116.5

Jonathan Krueger	6	161
Xinian Bo	12	119