

Seat Check: lot Car Seat

Jazmin Cartagena

Ting-Hsuan Chen

Allen Lee

Deon Lofton

Project Overview

- Baby Detection
- Temperature Reading
- Latch Detection
- Distance Tracker
- Wireless Communication
- Phone Application



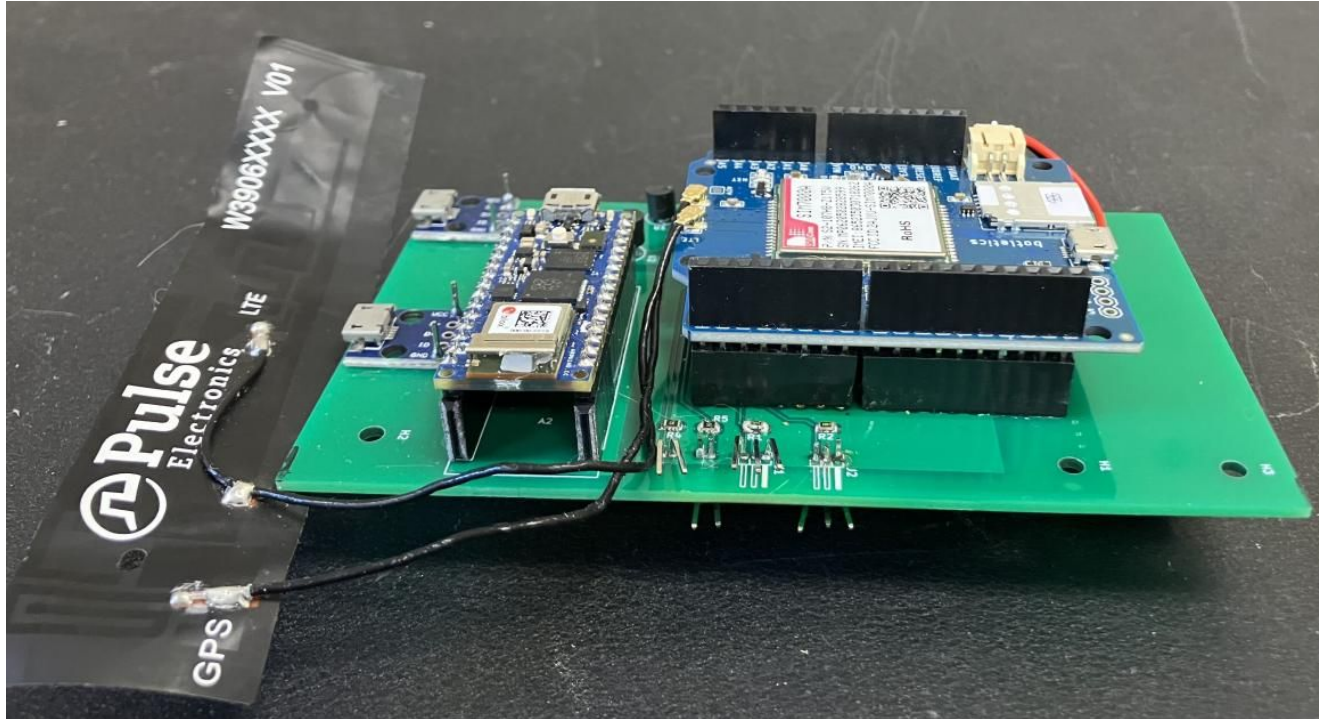
Achievements and Challenges

- Technical Main Achievements
 - All Functionality Present
 - Wireless Communication
 - Application Development
- Project Management Achievement
 - Excellent Communication between the group
- Challenges
 - Wireless Communication
 - Application Development
 - System Integration
- Takeaways

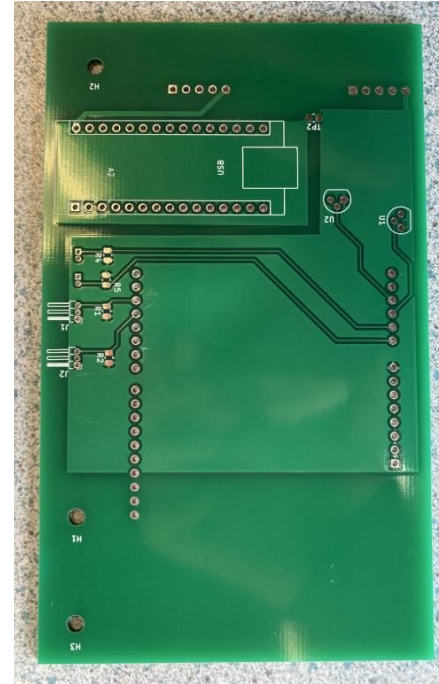
Purpose

- Child Safety
 - Properly Latching
 - Leaving Children in Vehicles
- Obtainability
 - Phone Application
 - Wireless Dongle
 - Low Cost
 - Universally Fit
- Usability
 - Easy to use
 - Information Shown on Application

Cellular Module



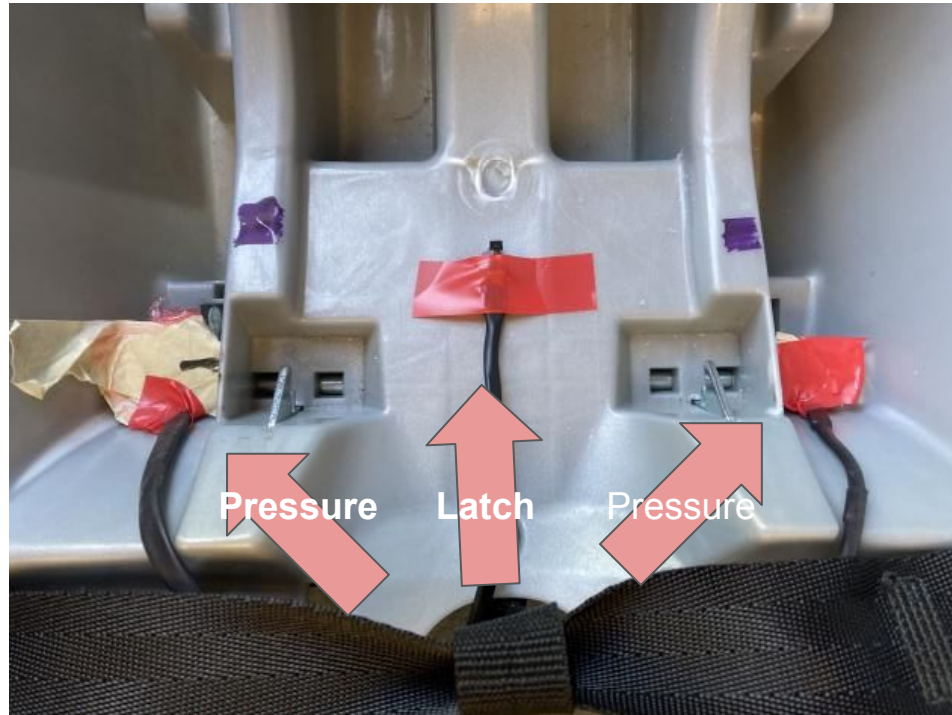
Main PCB



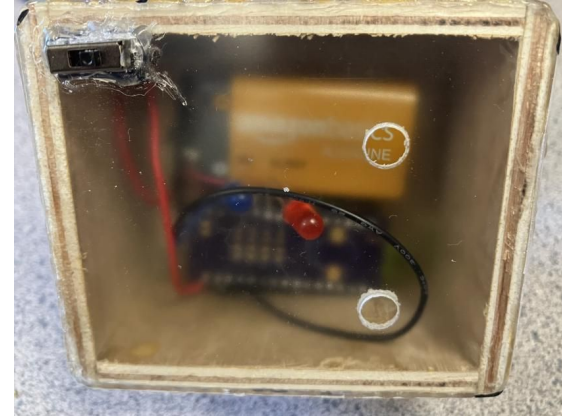
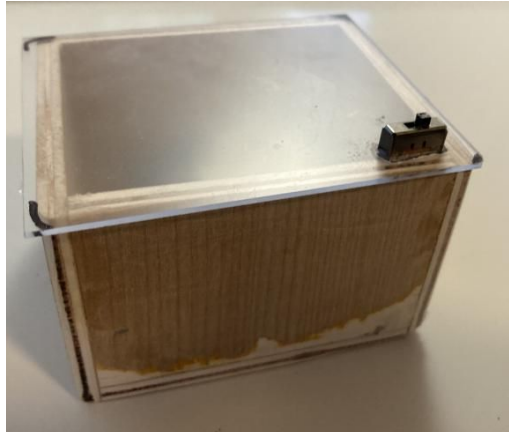
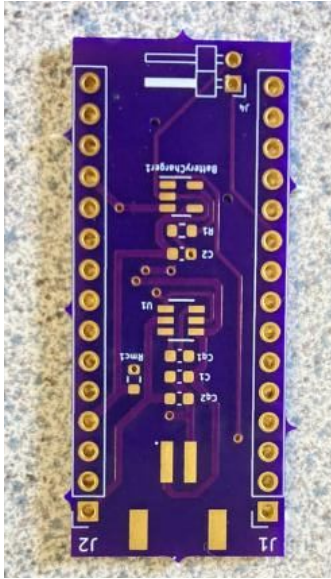
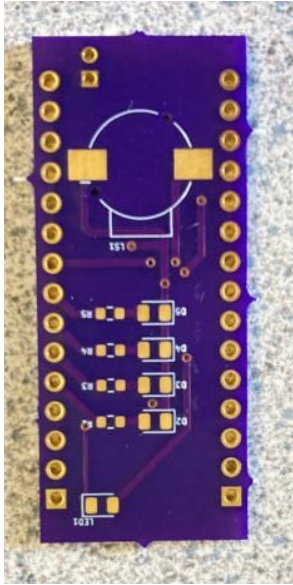
Phone App

Temp On Board
25.31
Temp Sensor
0
Baby Temp BAD
Baby Status
1
Baby Detected
Latch Status
1
Baby Latched
Difference
0.01818

Pressure and Latch Detection



Bluetooth Alerting device



Key Achievements and Potential Future Developments

- Future Developments
 - IOS Application
 - More Accurate Distance Tracker
 - Optimizing PCB
- Achievements
 - Full Functionality
 - Application
 - Wireless Communication