

# EE-595

## Bluetooth Locker

Team 8



Qiming Huang



Wenkai Han



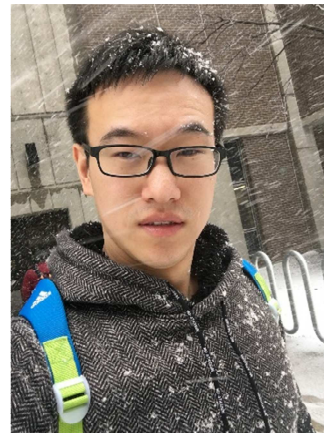
Shuo Shuang



She Wang



Shiyi Zhou



Likai Liu



# EE-595

## Good Bye~Key

- Basic Description
  - An smart lock which can lock or unlock automatically according to the distance.
- Key Features
  - Based on the Bluetooth connecting state
  - Use mobile phone to control
  - Distance perception
- Market
  - North America

# EE-595

## Key Requirements

- **Cost**
  - Sales Price:50 \$, Component Cost:30 \$, Assembly & Test Costs: 5\$
- **Environment**
  - Indoor
  - Operating Temp Range: (-10 to 60°C)
  - Operating Humidity Range: (0 to 100)
- **Power Input(s)**
  - Residential AC Power: 102 – 132 VAC @0.05Amps Max
- **Major Functions, Quantities Measured, Displayed**

Range: 30~40 Feets. Power : Within 10Watt  
Accuracy : 100%. Speed: Less than 1sec.  
Weight: Less 1pound.

# EE-595 Block Diagram

- **Block #A** She Wangle
- **Block #B** Likai Liu
- **Block #C** Shiyi Zhou
- **Block #D** Qiming Huang
- **Block #E** Wenkai Han
- **Block #F** Shuo Shuang

