



OVERVIEW

The customer needed a manufacturing company that could design and produce a high volume, low cost PCB assembly based on Bluetooth Low Energy (BLE) that would communicate with a smartphone app. The design required both hardware and software development, and working with the customer's third party app developer.

CHALLENGES

- Co-development of software with smartphone app developer
- Low profile/low cost PCBA using COB (Chip On Board) technology
- Required two versions of radios: Bluetooth 2.1 and BLE 4.0

SERVICES PERFORMED

- Software and hardware design
- Design for manufacturing in high volume with COB technology

RESULTS

- Compact, low cost PCBA with IoT connectivity
- Built in software features for two radio variants