Frank Cohen: 5-11-19 12:50

p.p1 {margin: 0.0px 0.0px 3.0px 0.0px; font: 11.0px Montserrat; color: #1c6ec9; -webkit-text-stroke: #1c6ec9}

p.p2 {margin: 0.0px 0.0px 5.0px 0.0px; font: 9.0px Bitter; color: #5e5e5e; -webkit-text-stroke: #5e5e5e}

li.li2 {margin: 0.0px 0.0px 5.0px 0.0px; font: 9.0px Bitter; color: #5e5e5e; -webkit-text-stroke: #5e5e5e}

span.s1 {font-kerning: none}

span.s2 {font: 9.0px Bitter; text-decoration: underline ; font-kerning: none; color: #5e5e5e; -webkit-text-stroke: 0px #5e5e5e}

ol.ol1 {list-style-type: decimal}

Acceptance Testing

Starling will approve the board when it passes the following criteria:

Connect the board to a 3.3v DC battery or power supply.

Connect the board by USB to a Windows 10 computer or Mac OS X laptop.

Connect the ICSP header to a Pololu AVR programmer (https://www.pololu.com/product/1300) or similar AVR programmer.

Use avrdude (https://www.nongnu.org/avrdude/) to program the STK500v2 bootloader to the MCU.

Program the cc2540 chip with the BLE program using the Texas Instruments CC-Debugger.

Follow the Bluno tutorial: https://www.dfrobot.com/blog-283.html, including using Arduino IDE to download a program/sketch to the MCU on the board.

Here is the correct Acceptance criteria:

p.p1 {margin: 0.0px 0.0px 3.0px 0.0px; font: 11.0px Montserrat; color: #1c6ec9; -webkit-text-stroke: #1c6ec9}

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span.s1 {font-kerning: none}

span.s2 {-webkit-text-stroke: 0px #1c6ec9}

ol.ol1 {list-style-type: decimal}

Acceptance Criteria

Connect the board to the Pogo board

Connect the Pogo board to a Windows 10 laptop over USB cable

Connect through the Pogo board to cc 2540 debug programmer

Connect through the Pogo board to Mega 2560 MCU programmer

Connect through the Pogo board GPS antenna, microphone, speaker, Mesa projector, switch left, center, and right, battery, vibrator motor, heart rate sensor

Update boards.txt

Program the BLE unit

Program the MCU unit

Open Arduino IDE, open test program/sketch, compile and upload the test program to the board, open the serial monitor, and be able to run the test program functions