BSides CBR 2023 Badge Flashing Instructions

Refer to video demonstration: https://youtu.be/fdhV1uAgy7o

Initial Setup

1. Install Python 3 on the host PC.

2. Install pyserial 'python -m pip install pyserial'.

3. Run the provided test script 'python pcbway_flash_bpod.py`.

4. Connect a USB C cable to the host PC.

Test Procedure

5. Plug the USB C cable into the PCBA.

6. Place the PCBA into the test jig and close the toggle clamp.

7. Press the 'FLASH' button on the jig.

8. Wait for the board to be flashed.

9. When prompted by the script, press the 'RST' button.

10. After a few seconds, the 'DONE' LED should light up.

11. If the LED lights up, flashing is complete.
    Remove from jig and unplug USB cable.
    PCBA has been sucessfully flashed, place into the 'passed' pile.

12. If the LED does **not** light up, remove from jig and repeat from step 5.
    If it fails after a second attempt, board has failed.
    Remove from jig and unplug USB cable, and put PCBA into the 'failed' pile.