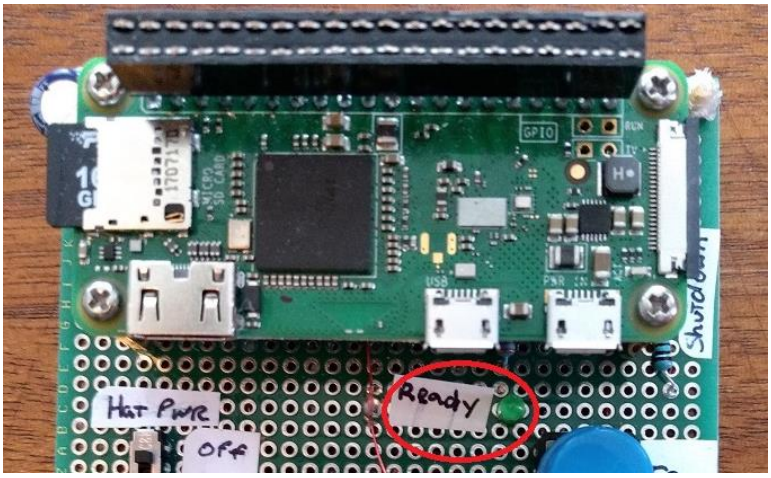
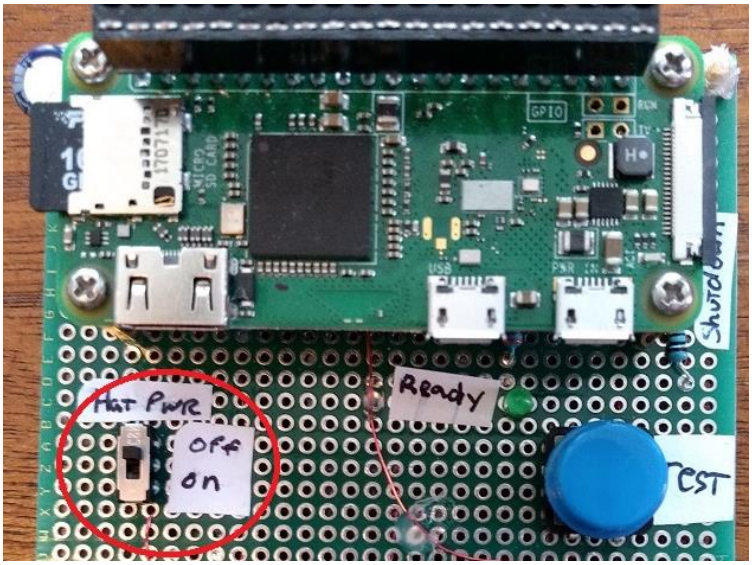
TEST JIG OPERATING INSTRUCTIONS

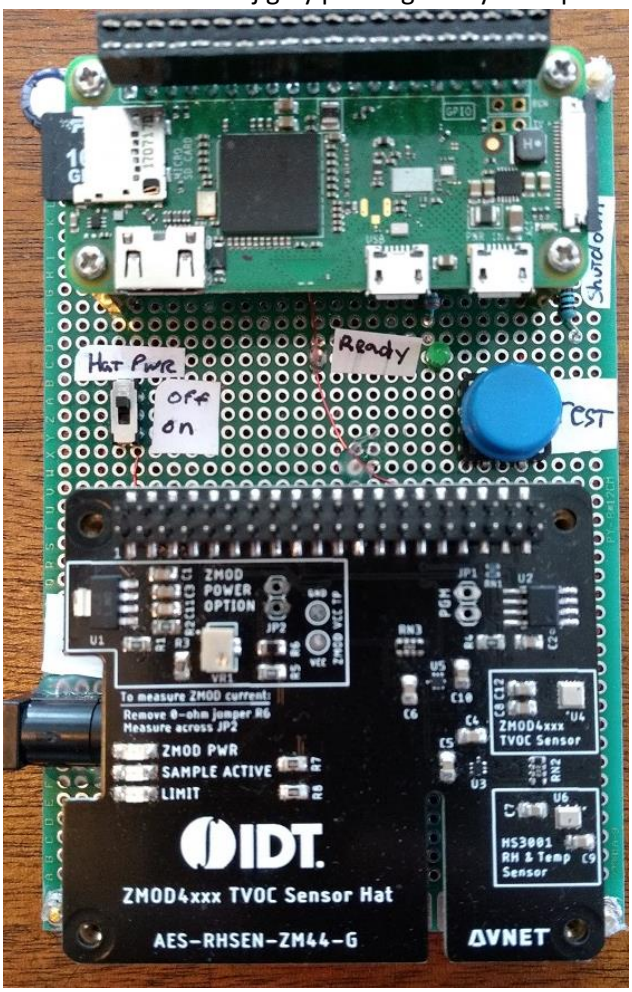
1. Connect power to 5v jack
2. Wait for **READY LED** to come on. This indicates that the unit is ready to test:



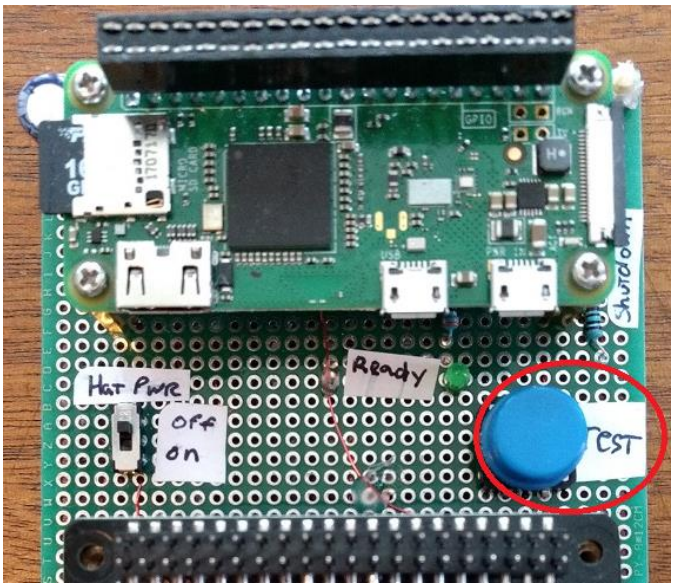
3. Move **HAT PWR** switch to OFF position:



4. Mount board to test jig by pushing firmly onto pin header

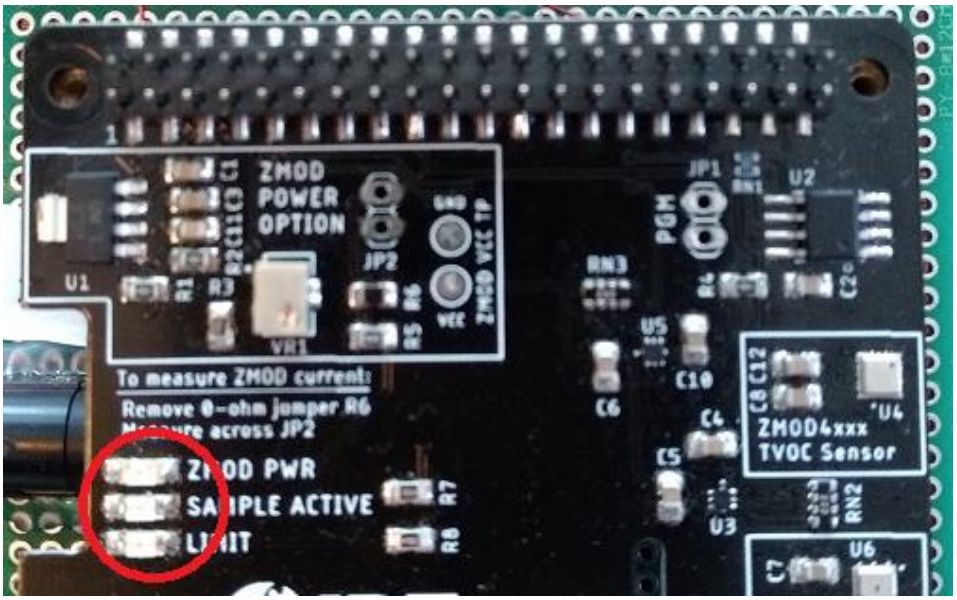


5. Move **HAT PWR** switch to **ON** position
6. Push **TEST** button



READY light will go out while the test is in progress. When the test is complete, the **READY** light will come back on.

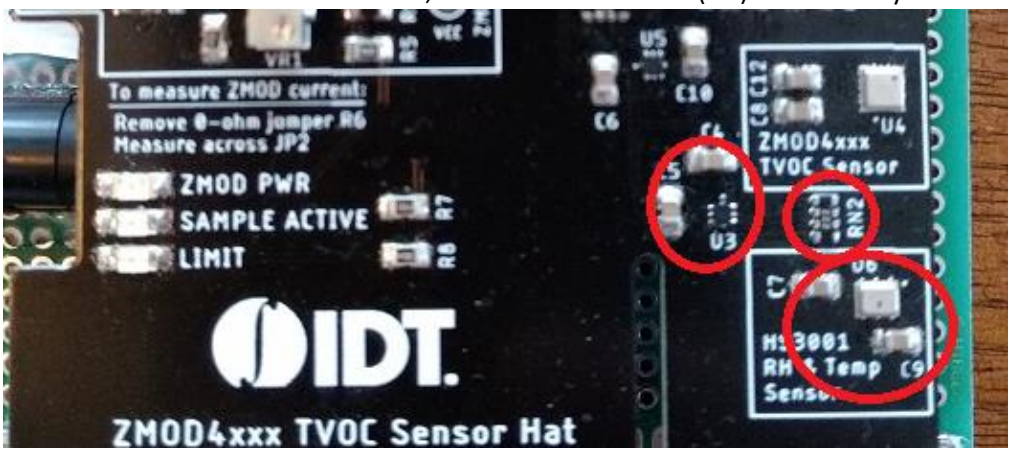
7. Read **STATUS LEDs** circled below:



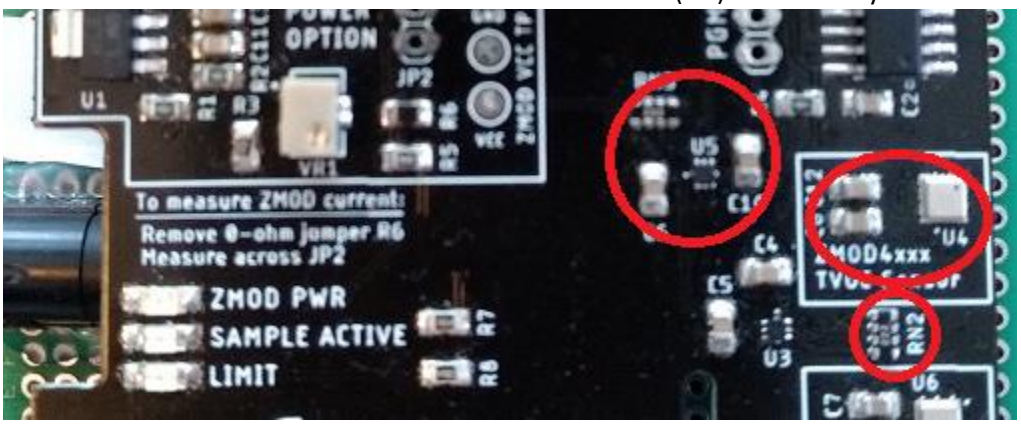
ZMOD PWR LED should be lit. This indicates that the voltage regulator circuit is functioning correctly. If the **ZMOD PWR** LED is not lit, ensure that the **HAT PWR** switch is in the **ON** position and check the ZMOD power circuit circled in the image below:

BOTH SAMPLE ACTIVE and LIMIT LEDs should be lit. This indicates that both sensors are functioning correctly.:

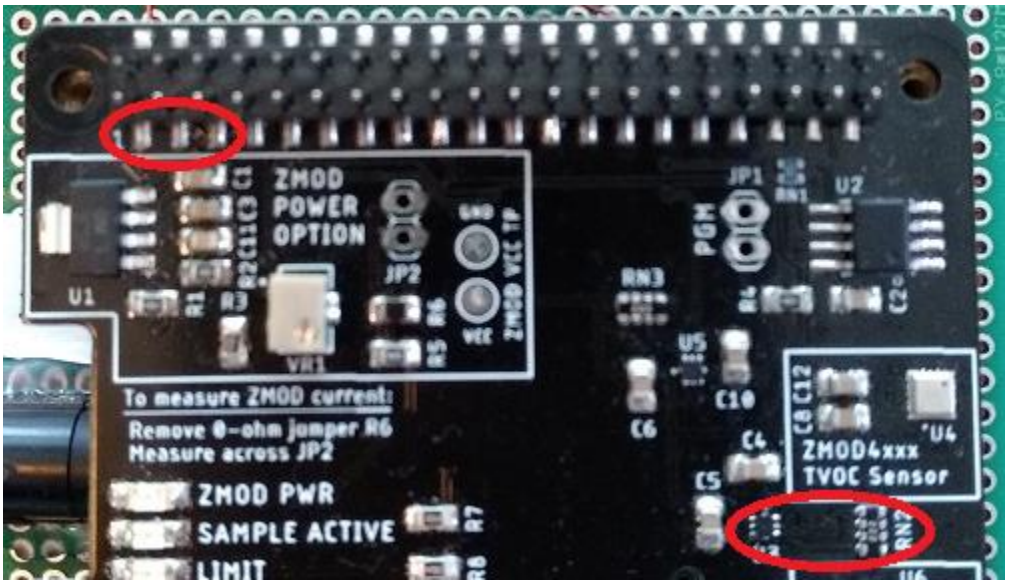
IF LIMIT LED IS NOT LIT: Check LED, check HS3001 sensor (U6) and circuitry circled below:



IF SAMPLE ACTIVE LED IS NOT LIT: Check ZMOD sensor (U4) and circuitry circled below:

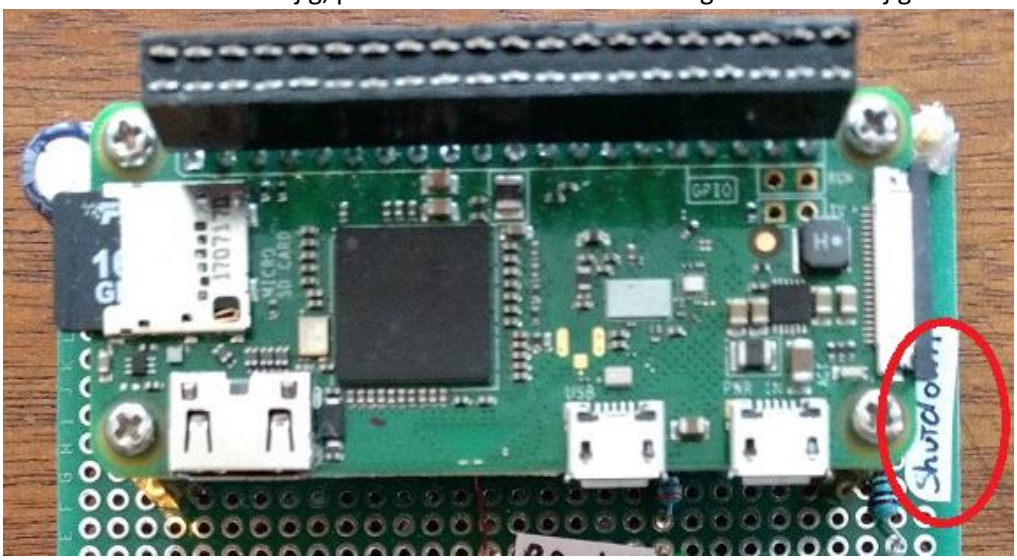


IF BOTH SAMPLE AND LIMIT LEDS ARE NOT LIT: Check **U3, RN2,** and connections circled below:

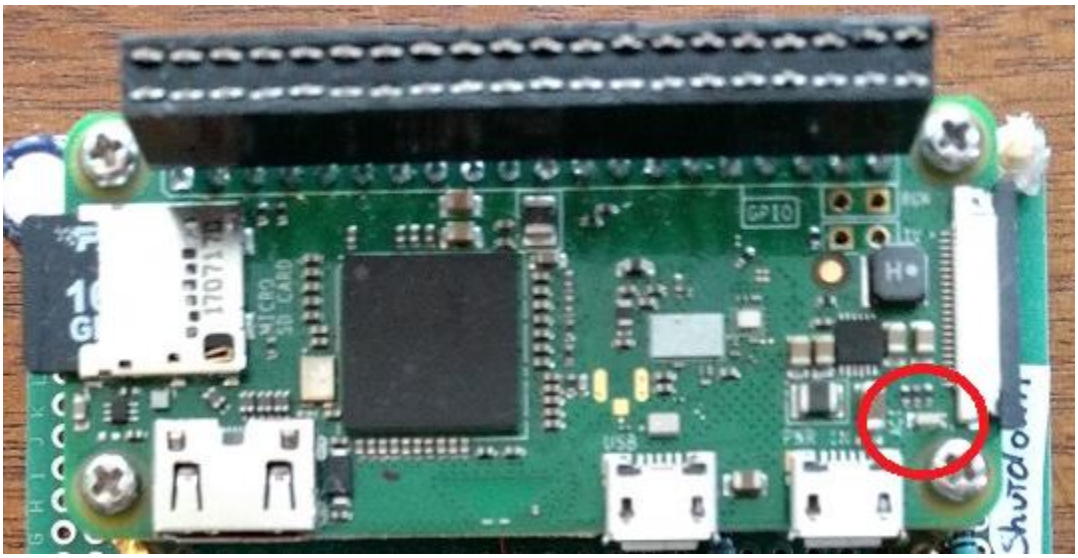


8. Once test is complete, place **HAT PWR** switch to **OFF** position.

9. Remove board from test jig by pulling up evenly from both sides.
10. Mount next board to test jig and repeat test from **STEP 5**.
11. When finished with test jig, push **SHUTDOWN** button on right side of test jig:



After a few seconds the status LED on the test jig circled below will start to flash and then will go out:



Once the status LED is off, remove power from test jig.