Mainboard

Continuity test
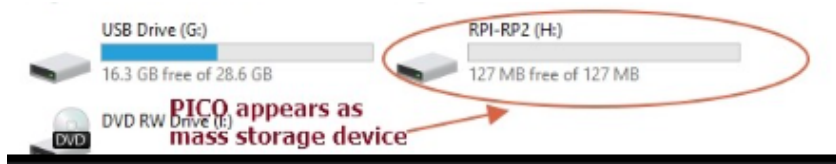
Check continuity between points in the two images:

3.3V net (image of bottom side)

GND net (image of bottom side)

Smoke test
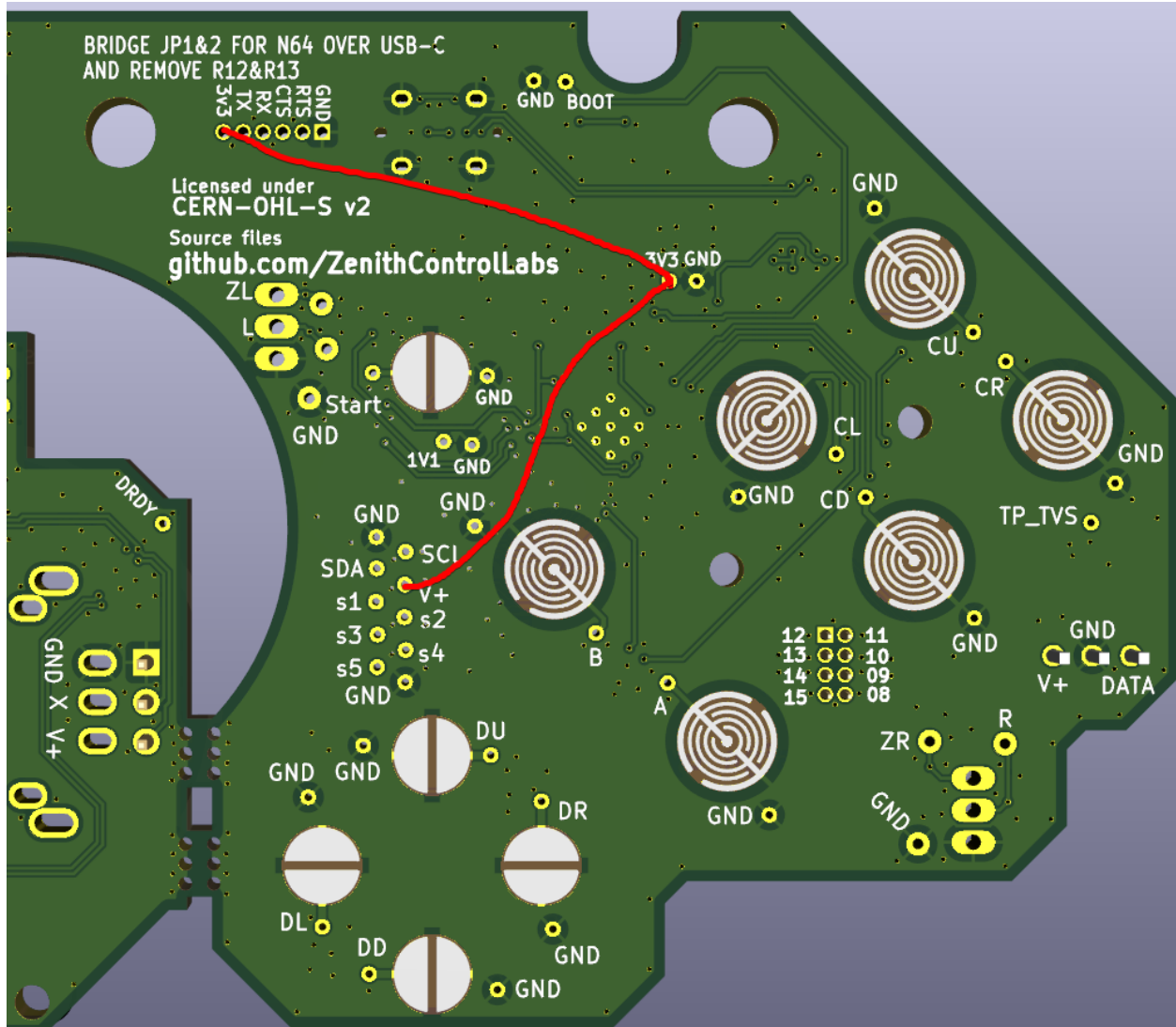
Supply 3.3V power to the 3v3 pin and GND pin at the highlighted test points. Verify all boards behave "normally": no magic smoke, draws nonzero current, does not draw more than ~1A. Components may be warm but should not be hot to touch after running for any amount of time.

USB test (if possible)

Ensure the board is not powered through the test points for this test.

Hold down BOOT button highlighted in blue below. Plug in a USB-C cable from the vertical header which would be populated in the area highlighted in red to a computer. Let go of BOOT after plugging in USB-C.

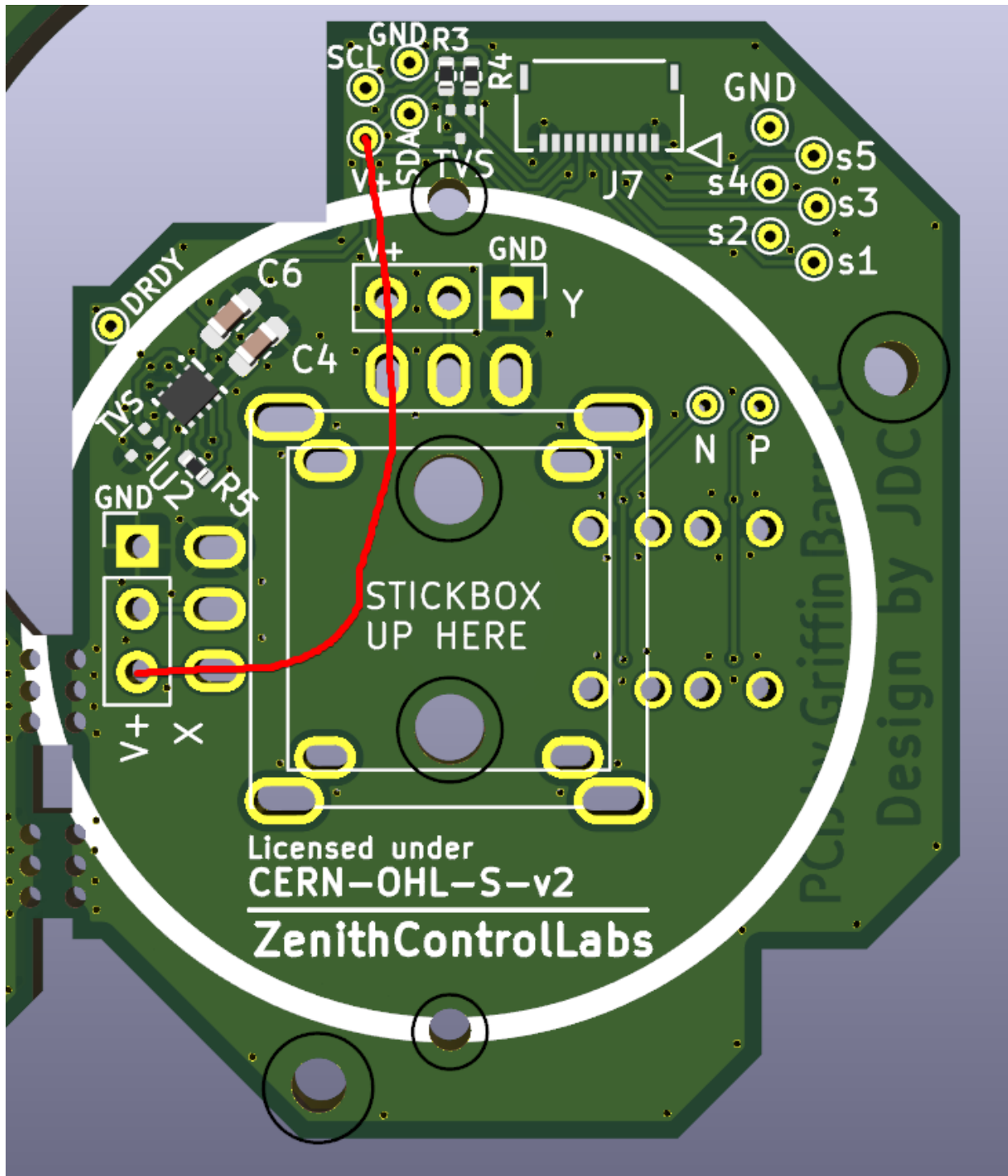A flash drive should appear labeled RPI-RP2, like so:

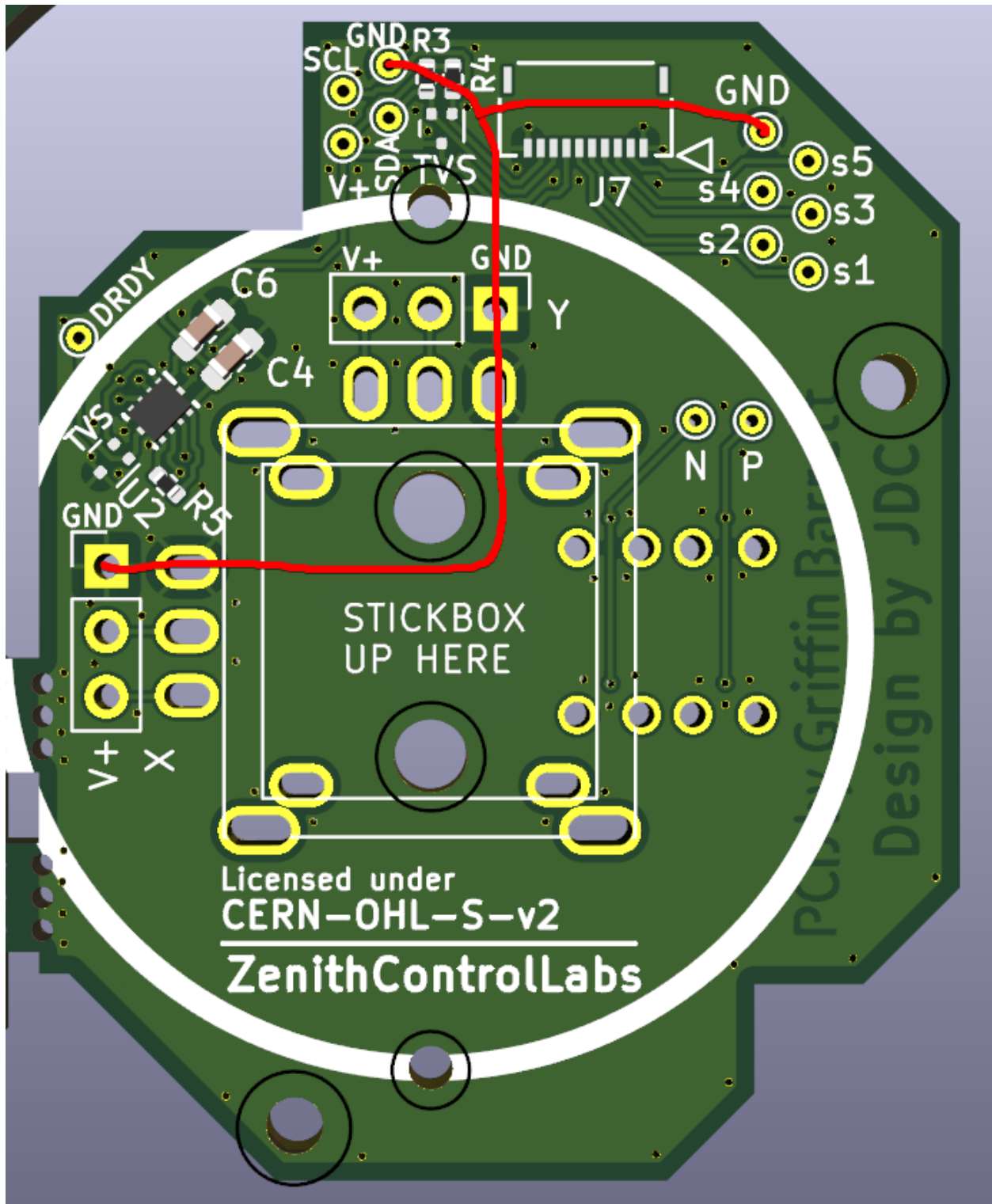Test passes if this is the case. The USB-C can be unplugged safely.

Stick Board

Continuity test

Check continuity between points connected in the two images:

3.3V net

GND net

Smoke test

Supply 3.3V power to the V+ pin and the GND pin at the highlighted test points. Verify all boards behave "normally": no magic smoke, draws nonzero current, does not draw more than 0.3A. Components may be

warm but should not be hot to touch after running for any amount of time.