TI BQ76920 VC0 Question

Question: In order to have more accurate sensing of the cell voltages in a battery pack, I would like to use two connectors. However, I am having concerns about attaching the "telemetry" connector Battery Negative to the Power Connector Battery Negative on the PCB. Normally this would be on the VC0 connection, but this won't work for power concerns. So the question is - can I attach the "Battery Negative" from the telemetry connector to VC0 through the balancing resistor and NOT additionally attach it to VSS? The figures below should help clarify what I am asking.

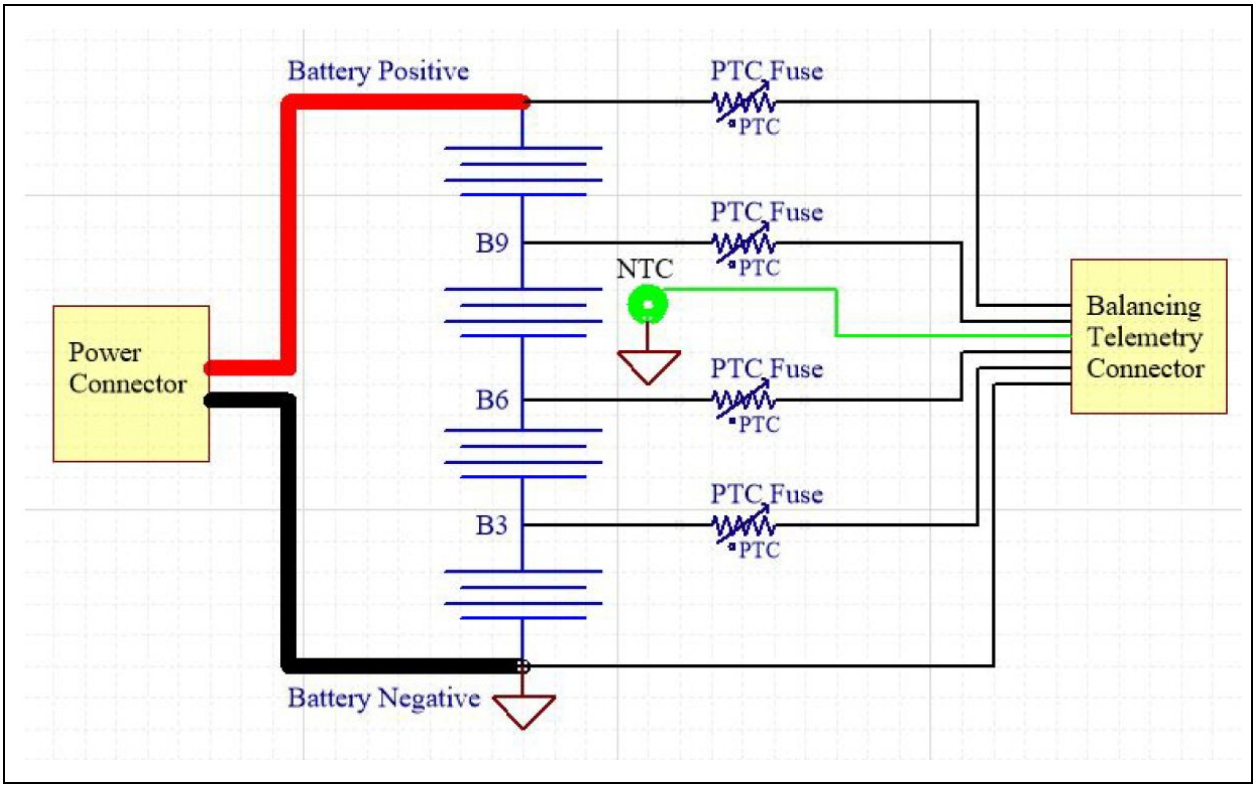

Figure 1: Battery connector topology. Want a power connector and a telemetry connector so don't have IR issues to deal with. The "Battery Negative" connection is fine on the battery, but I have confusion on the PCB side.

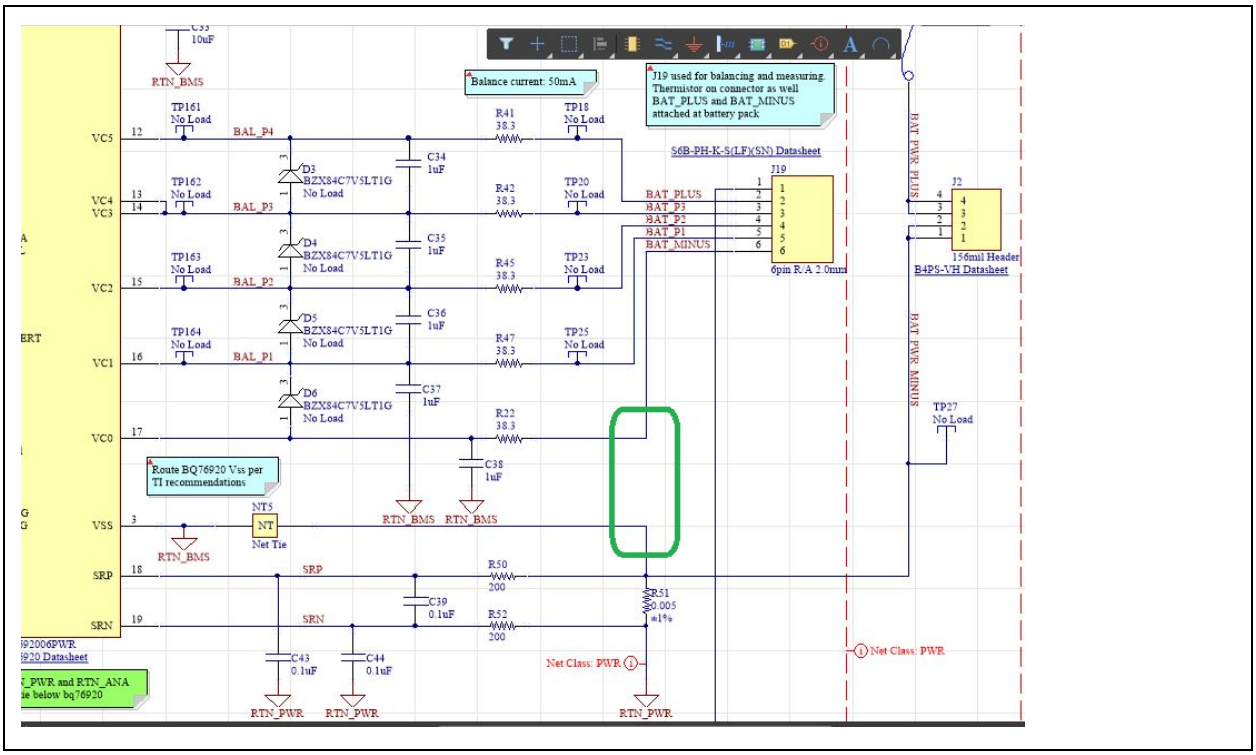

Figure 2: Battery connector implementation - green oval shows that BAT_MINUS and VSS not physically tied together. Note “BAT_MINUS” and “BAT_PWR MINUS” are tied together in the battery pack

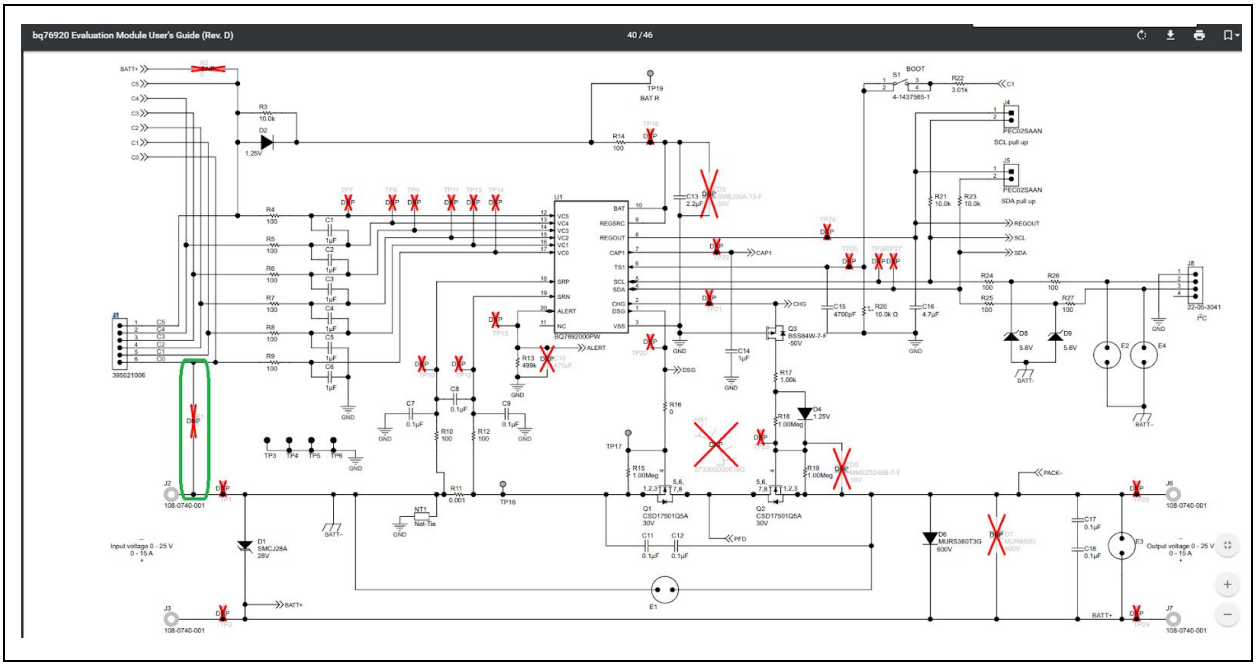

Figure 3: bq76920 Evaluation Module User's Guide (SLVU924D) schematic. Shows VC0 not physically attached to battery/bq76920 VSS. This seems like the exact thing as I have in Figure 2.