

cell circuits ref.

BQ76PL536 datasheet (SLUSA08A) - rev. A, pp. 47-50

"Improving Communications with the bq76PL536" (SLUA562), Aug. 2010

(schematics in Appendix B)

bq76PL536BEVM-3 Stack Design schematic, 11/9/2012

Device #6 cell interface, balancing, thermistors, GPIO
RELEASE

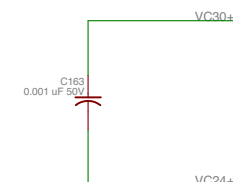
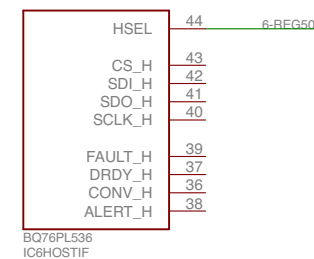
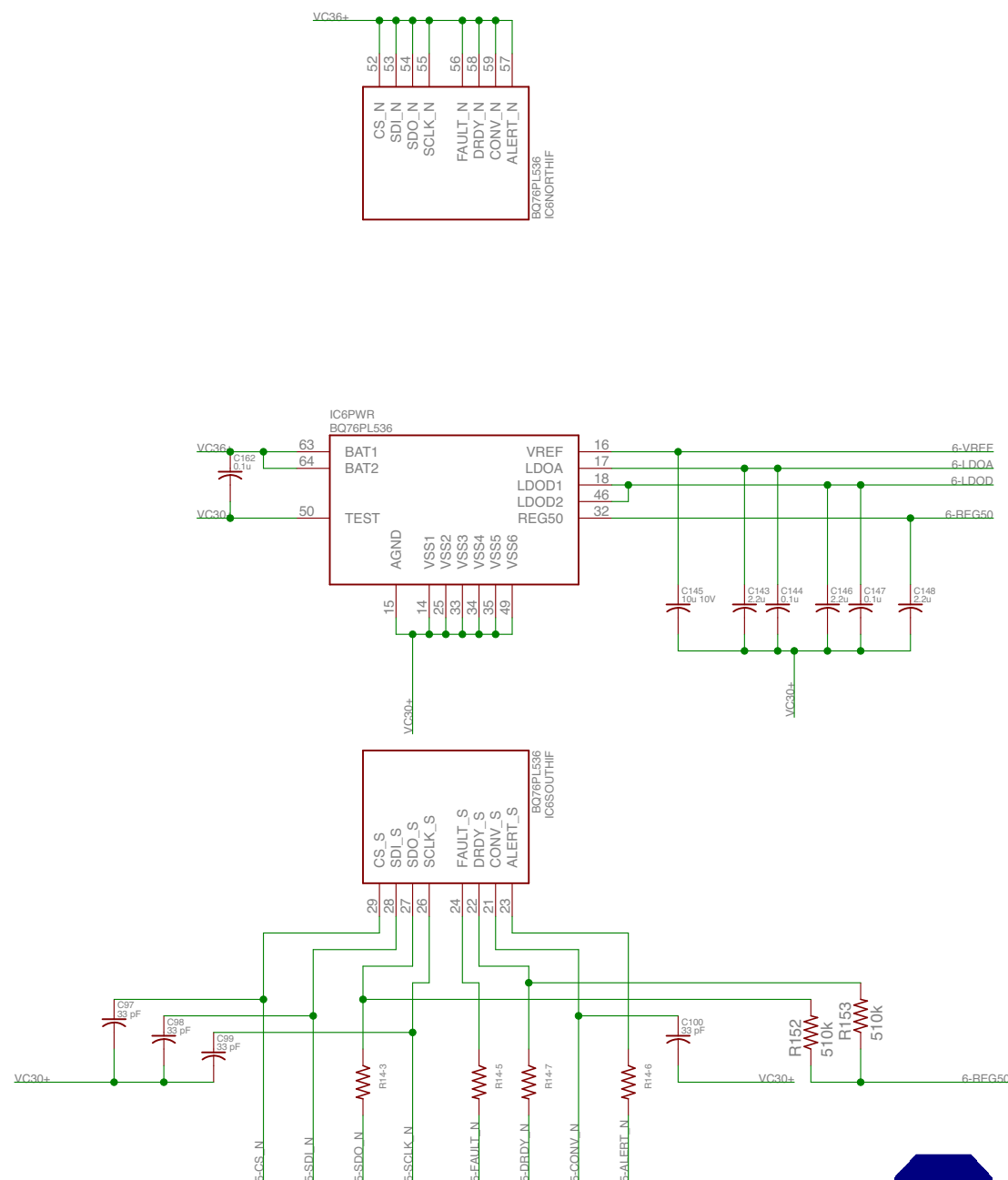


Board: Battery Interface Module r02

Drawn by Aaron Bonnell-Kangas

Revision date: r02 - 2014-02-10

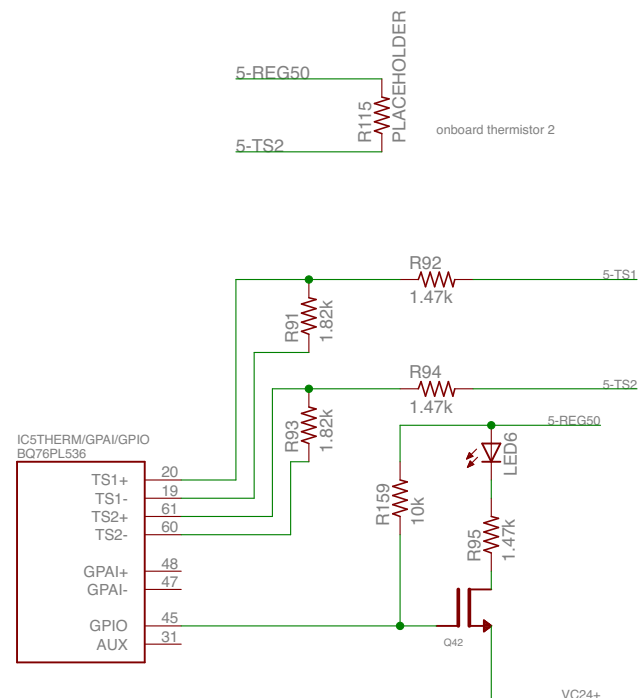
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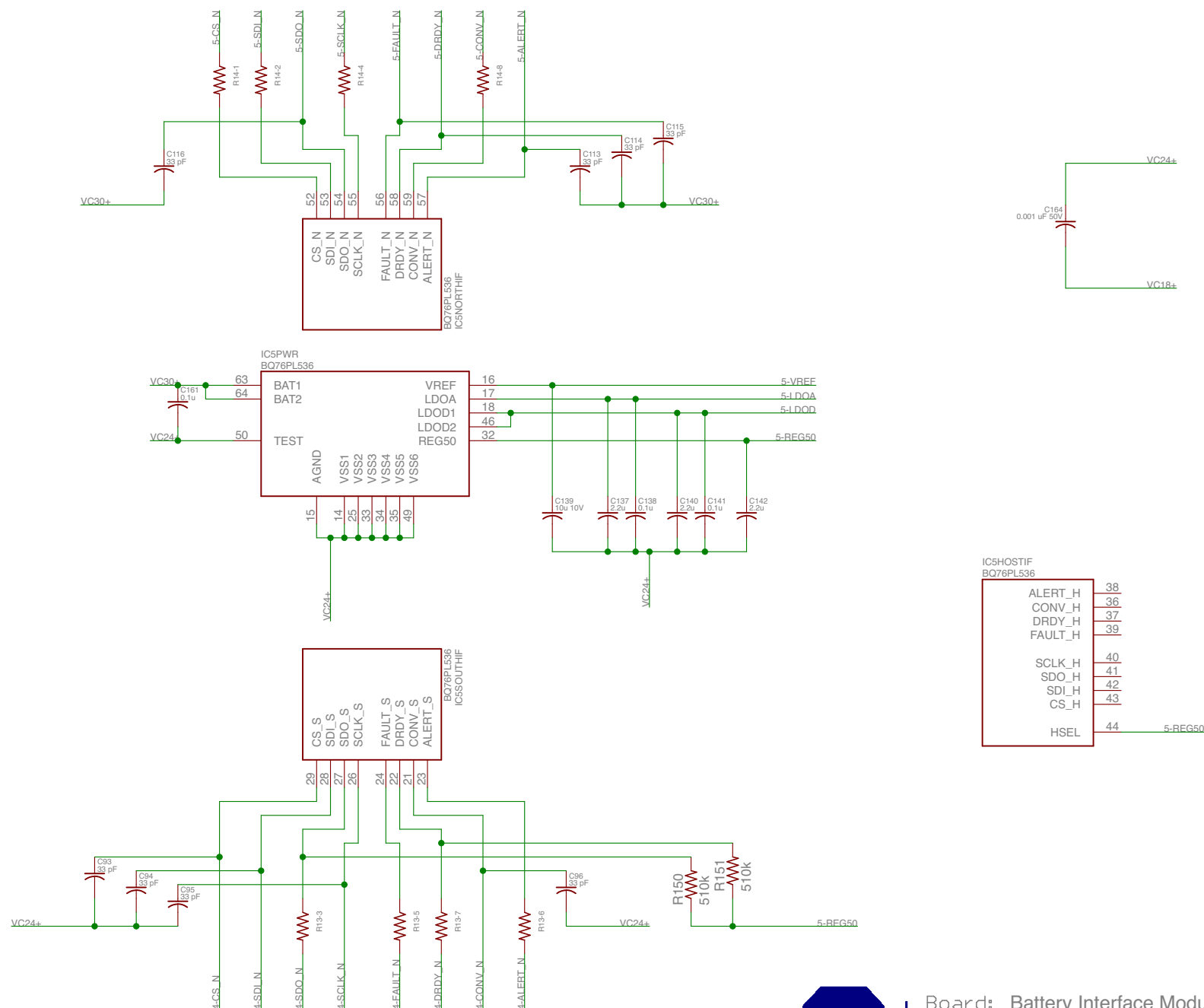
Device #6 stack comms + power
RELEASE



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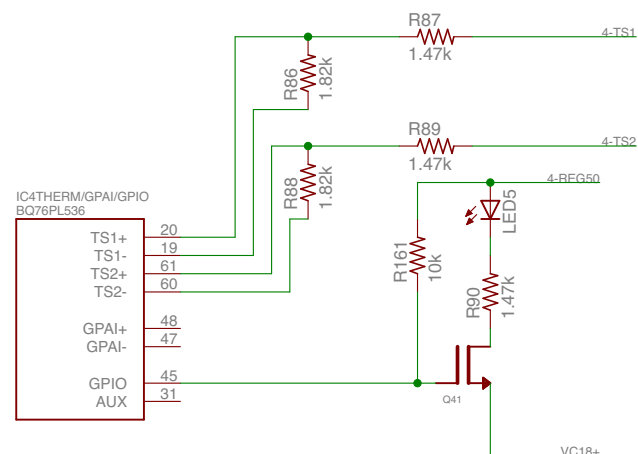
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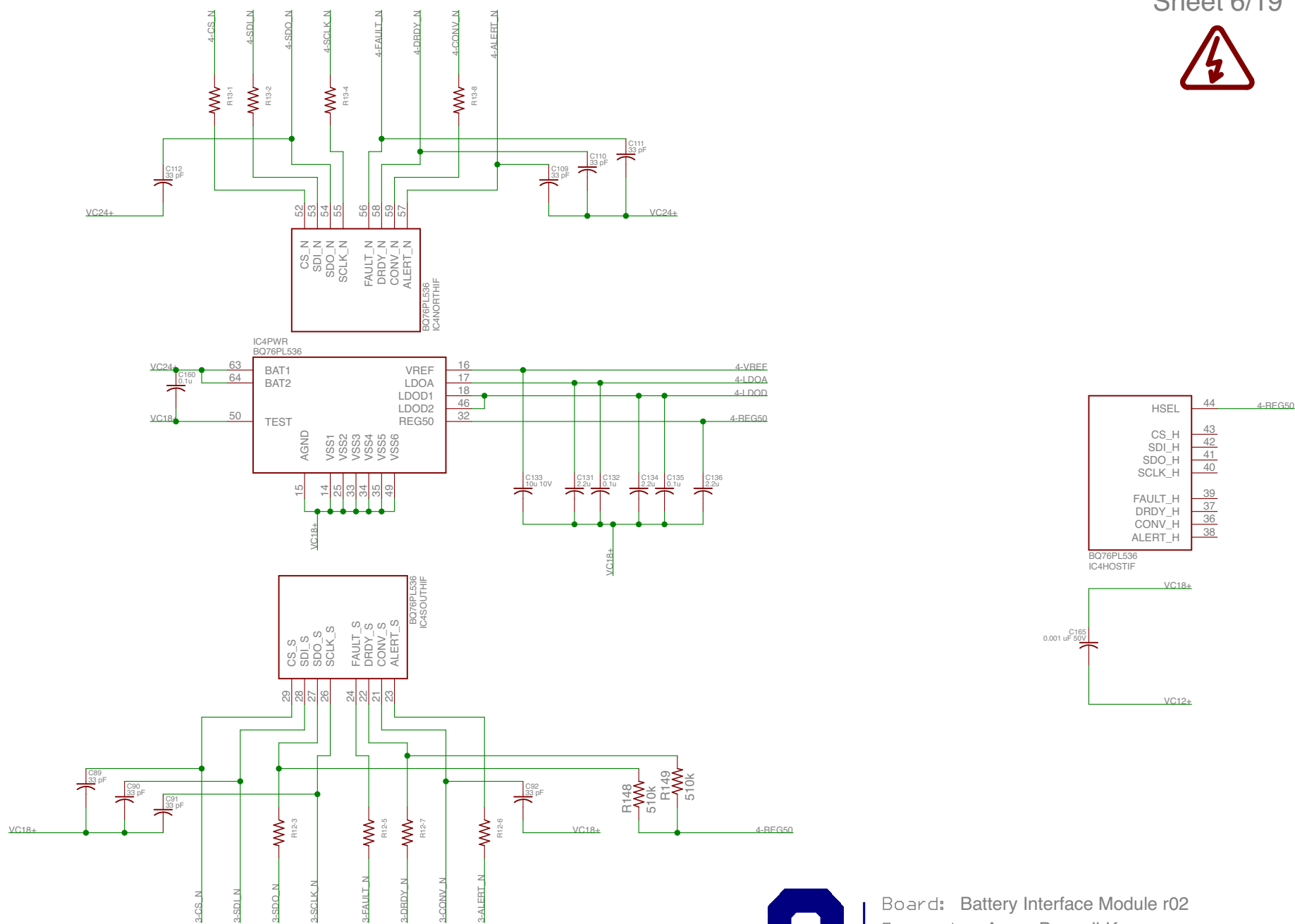
Device #5 stack comms + power
RELEASE



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Device #4 stack comms + power
RELEASE

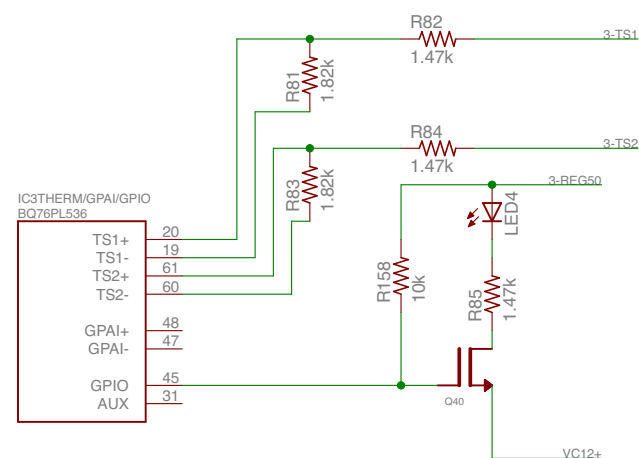
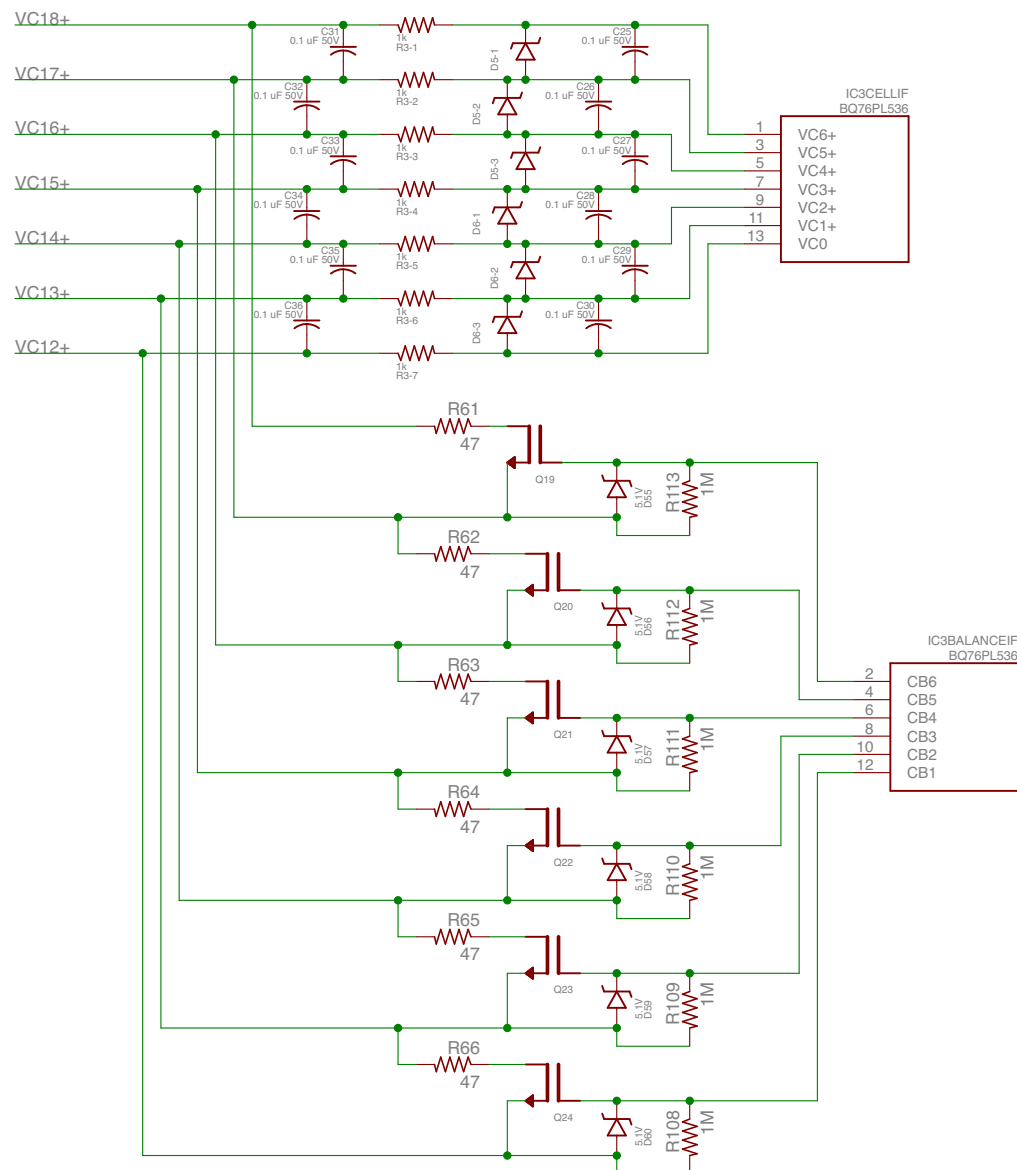


Board: Battery Interface Module r02

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Device #3 cell interface, balancing, thermistors, GPIO
RELEASE

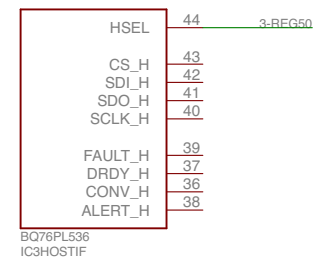


Board: Battery Interface Module r02

Drawn by Aaron Bonnell-Kangas

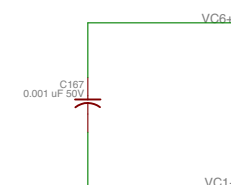
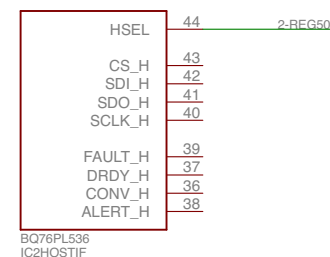
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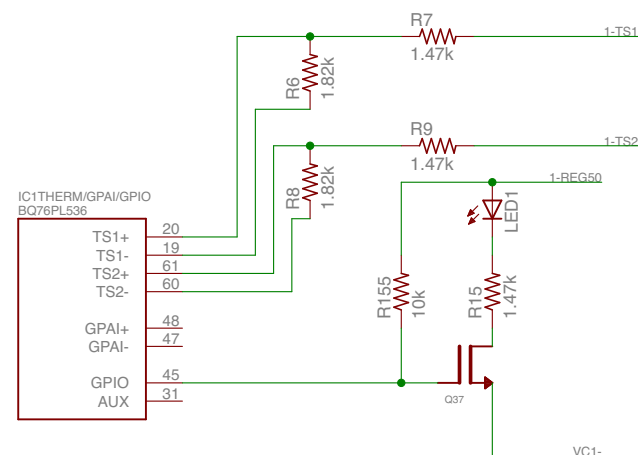
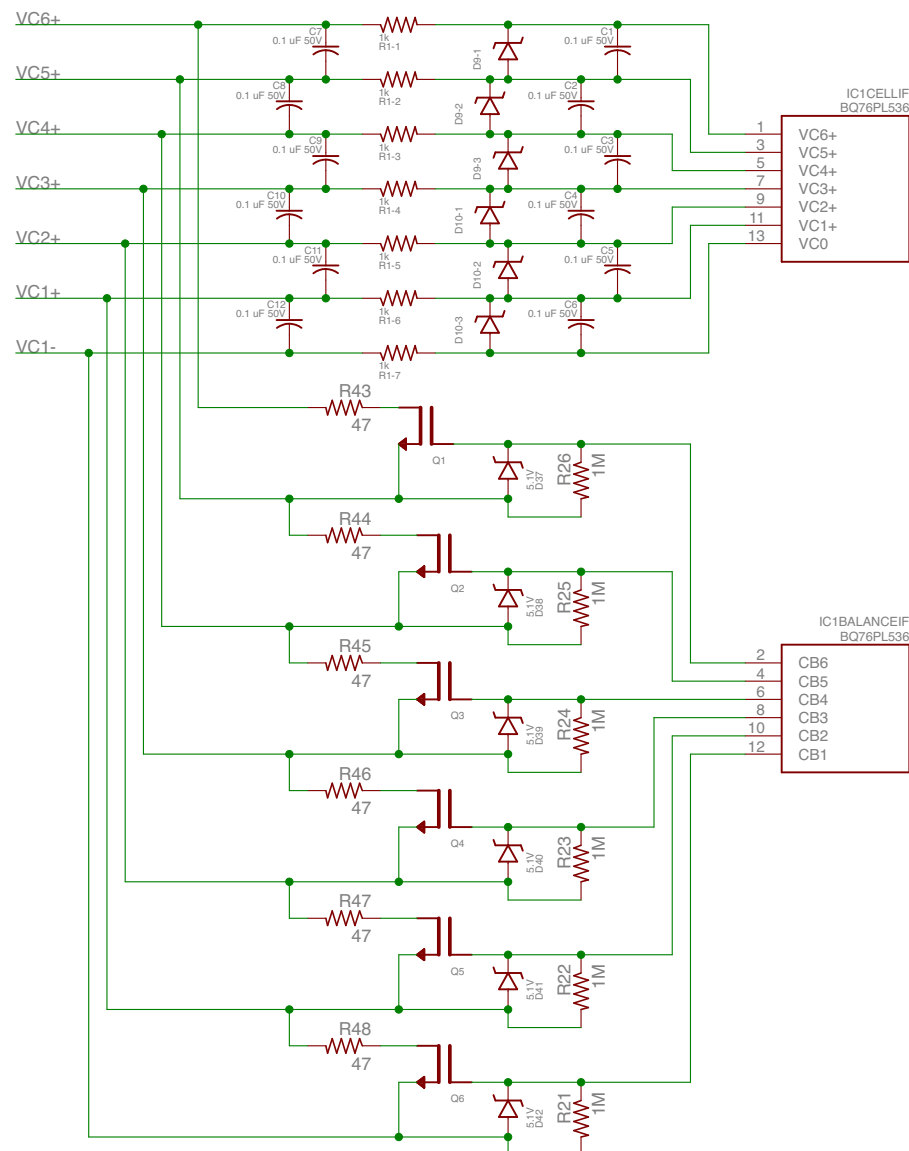


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Device #1 cell interface, balancing, thermistors, GPIO
RELEASE

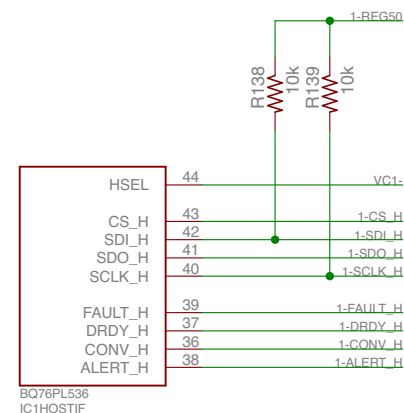
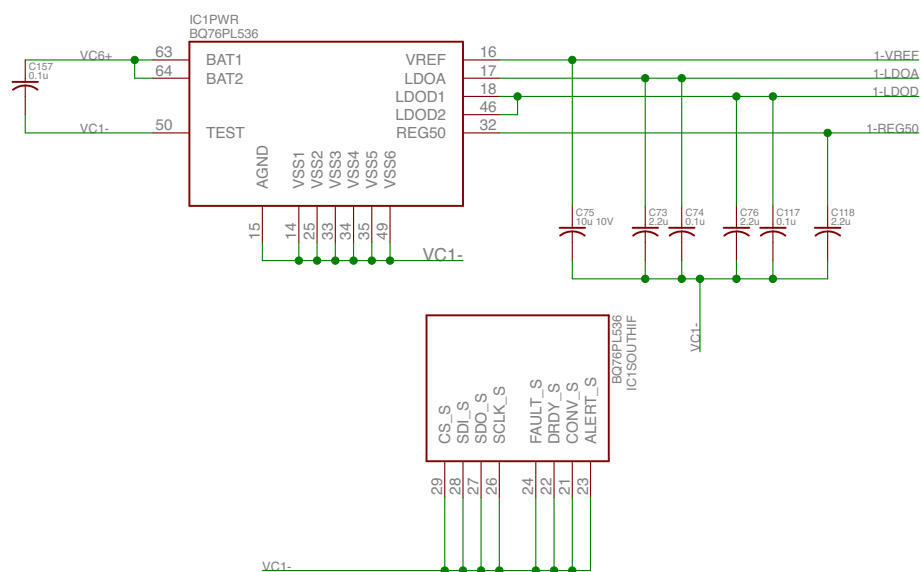
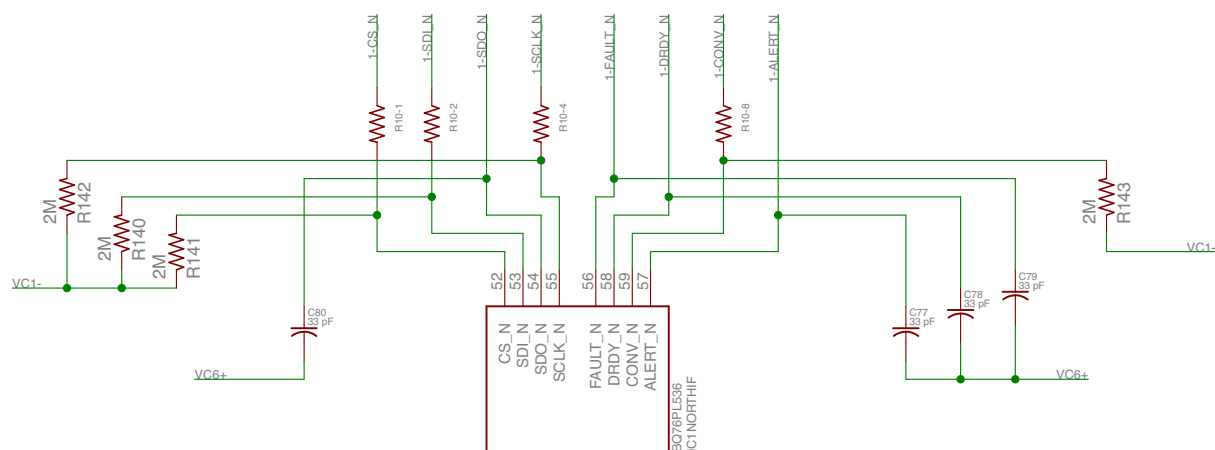


Board: Battery Interface Module r02

Drawn by Aaron Bonnell-Kangas

Revision date: r02 - 2014-02-10

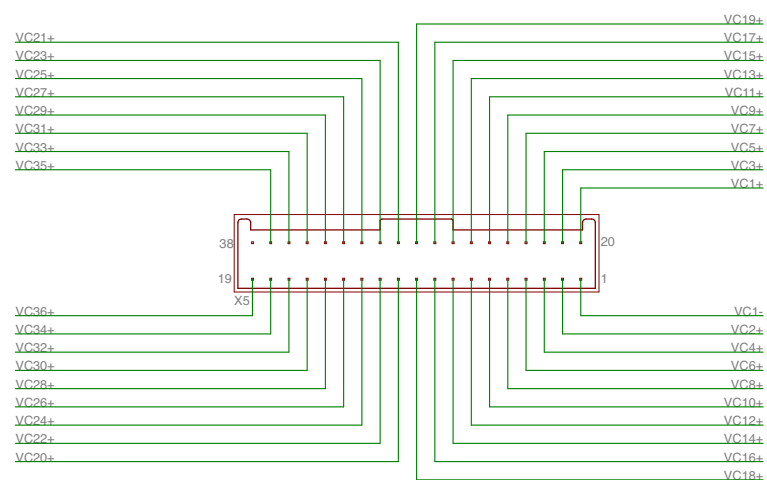
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Device #1 stack comms + power
RELEASE



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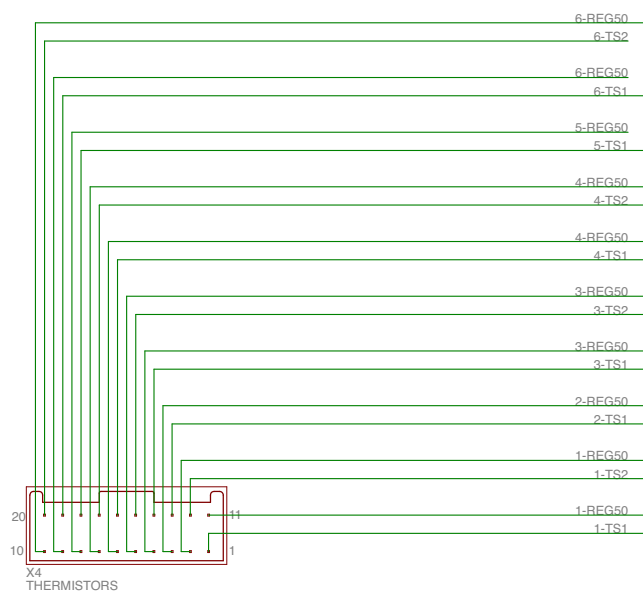
X5-CONN
BOM-PART

X5-TERM
BOM-PART

Cell connector
RELEASE



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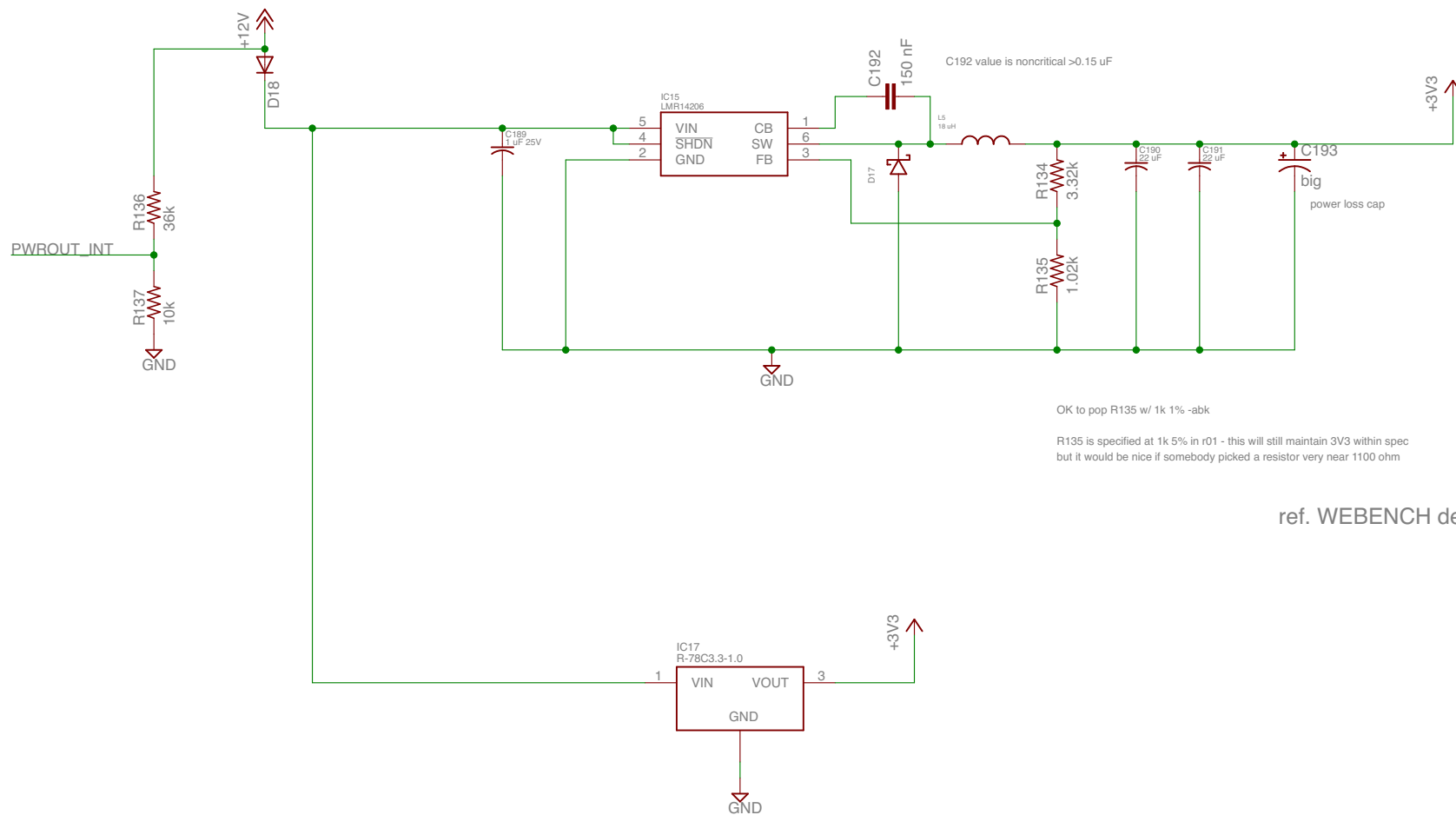


X4-CONN
BOM-PART
X4-TERM
BOM-PART

Thermistor connector
RELEASE



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12V - 3V3 power
RELEASE



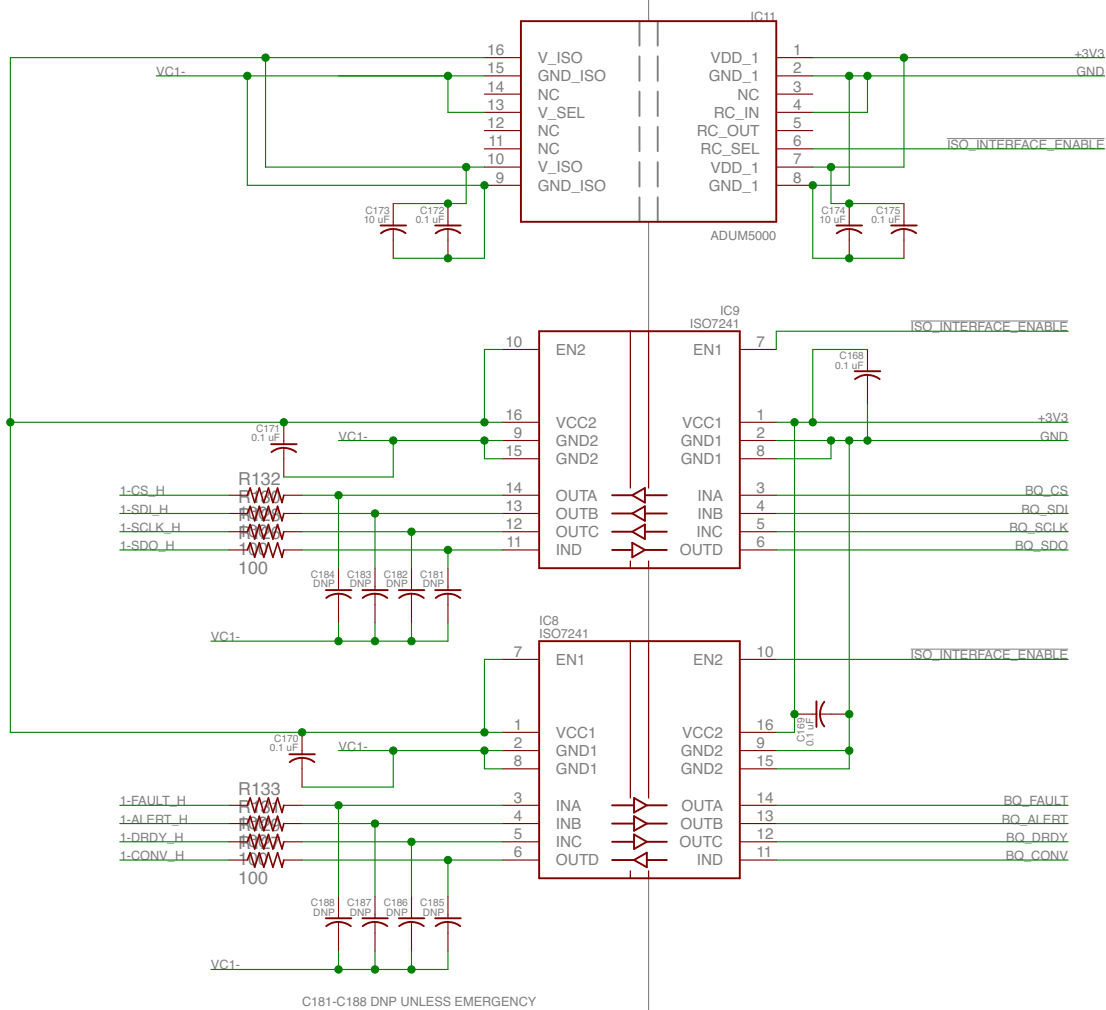
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Battery side

Host side

Sheet 16/19



Isolated comms interface
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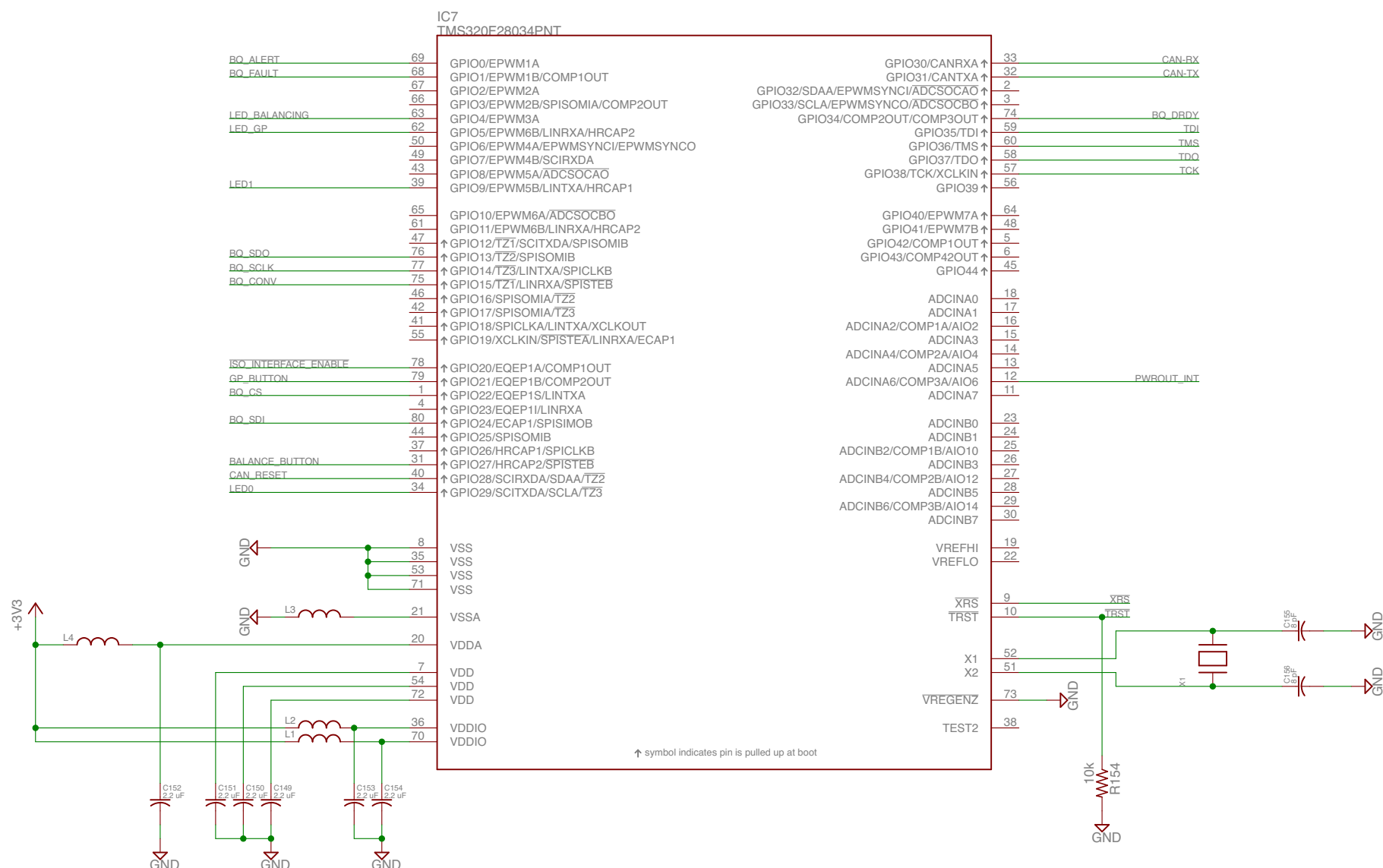


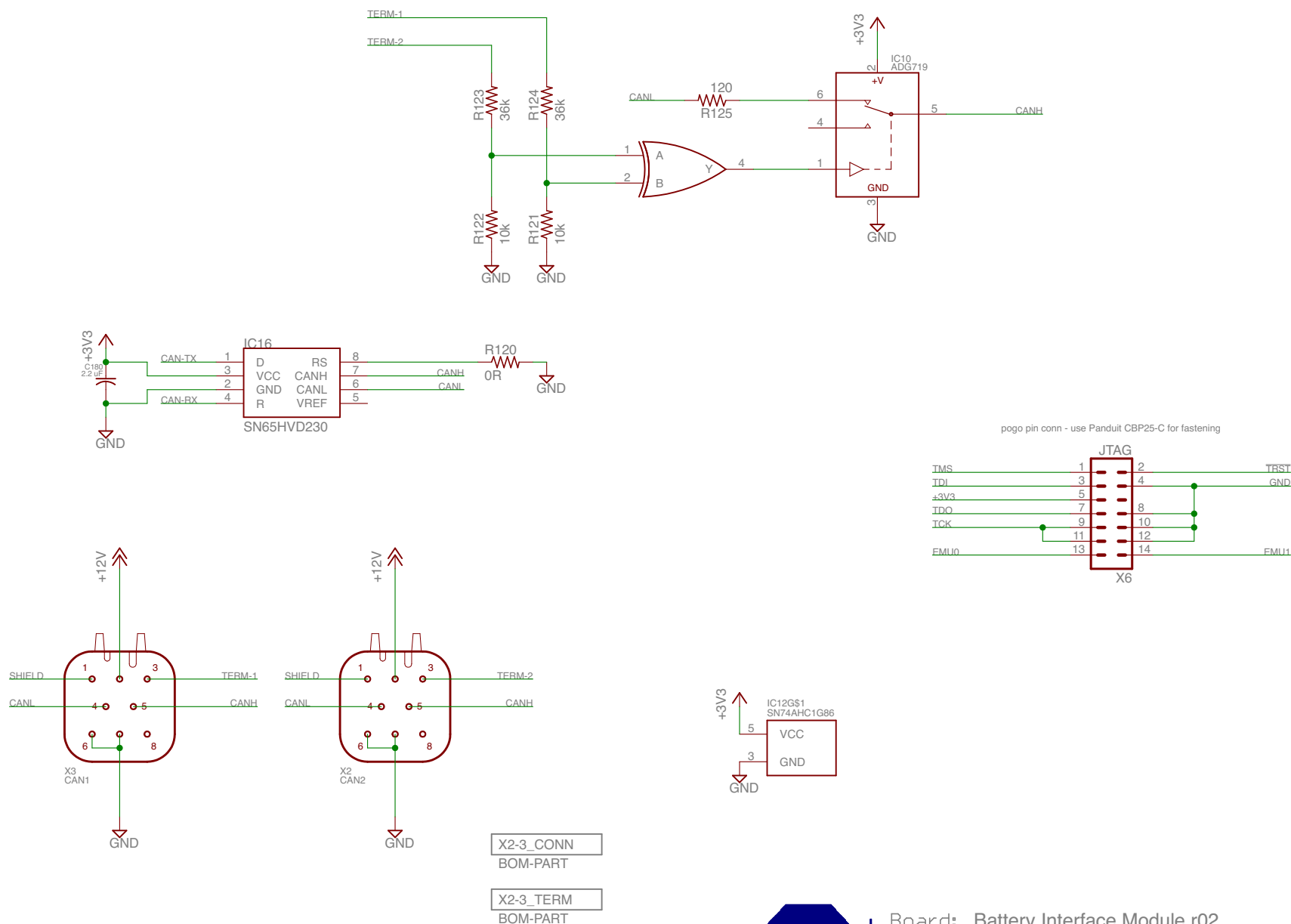
Board: Battery Interface Module r02

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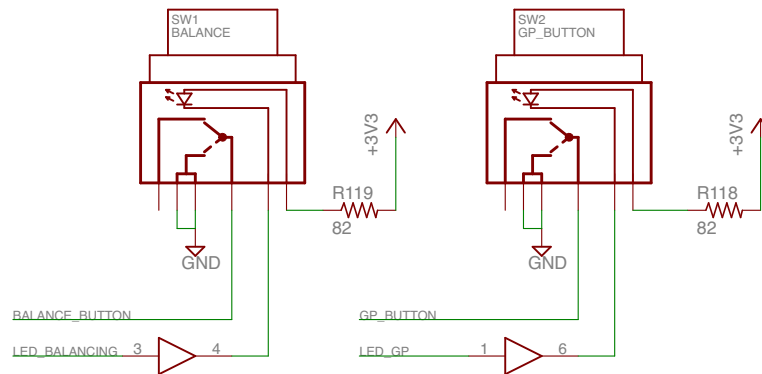
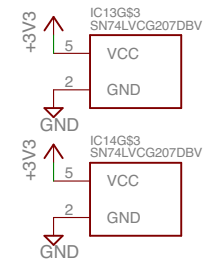
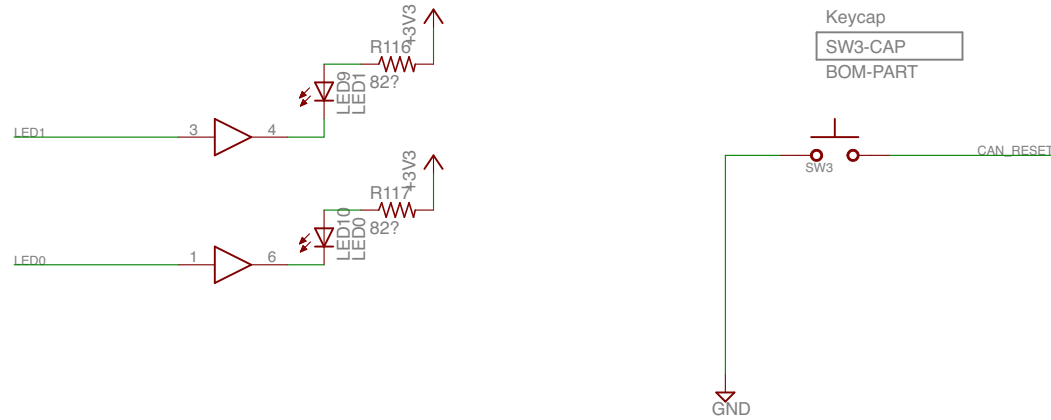




CAN interface and termination, JTAG
RELEASE



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Buttons and LEDs
RELEASE



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