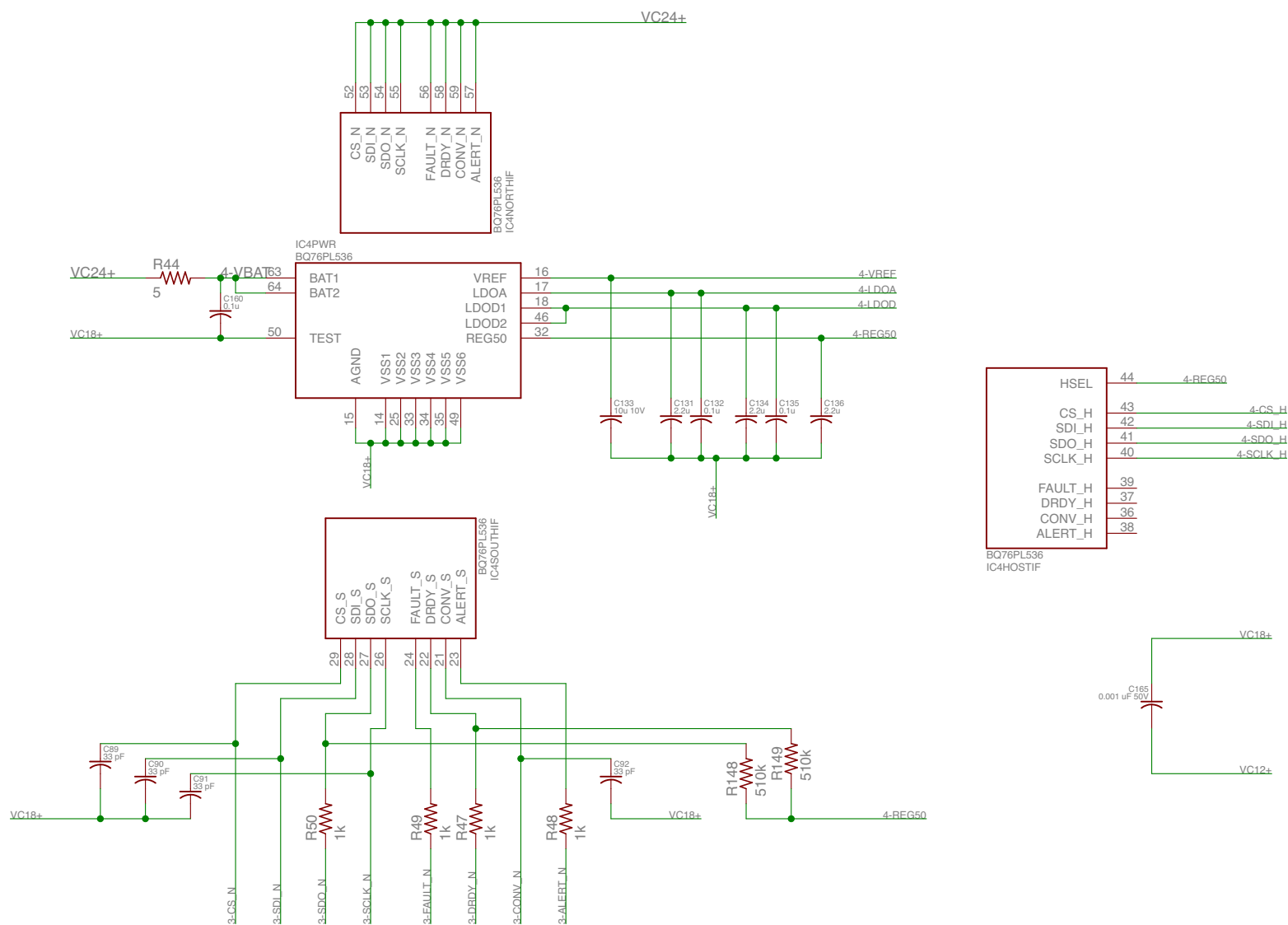
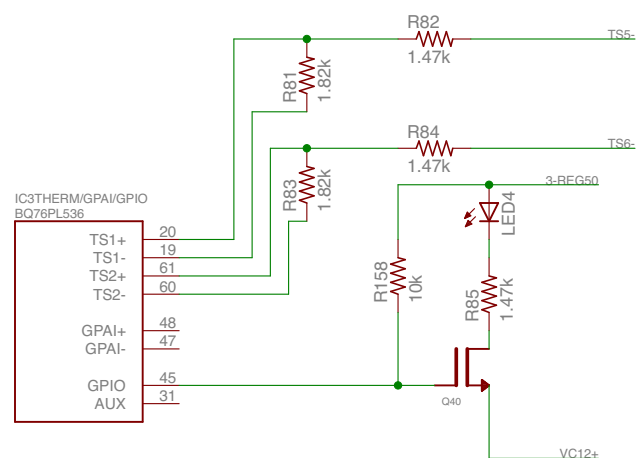




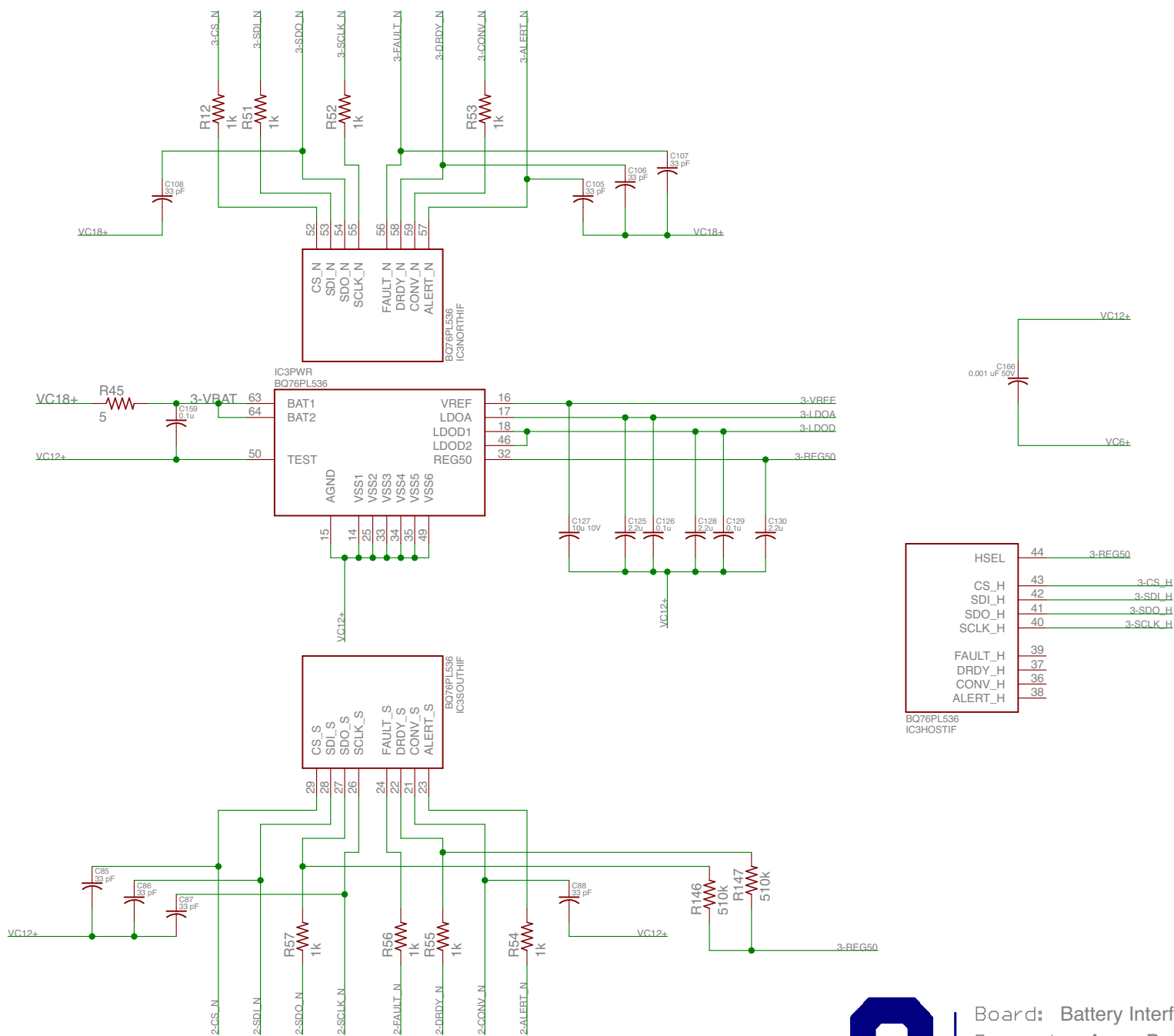
Board: Battery Interface Module  
 Drawn by Aaron Bonnell-Kangas  
 Revision date: v2.0.1 - 2015-04-01  
 Last modified date: 4/1/15 2:38 PM



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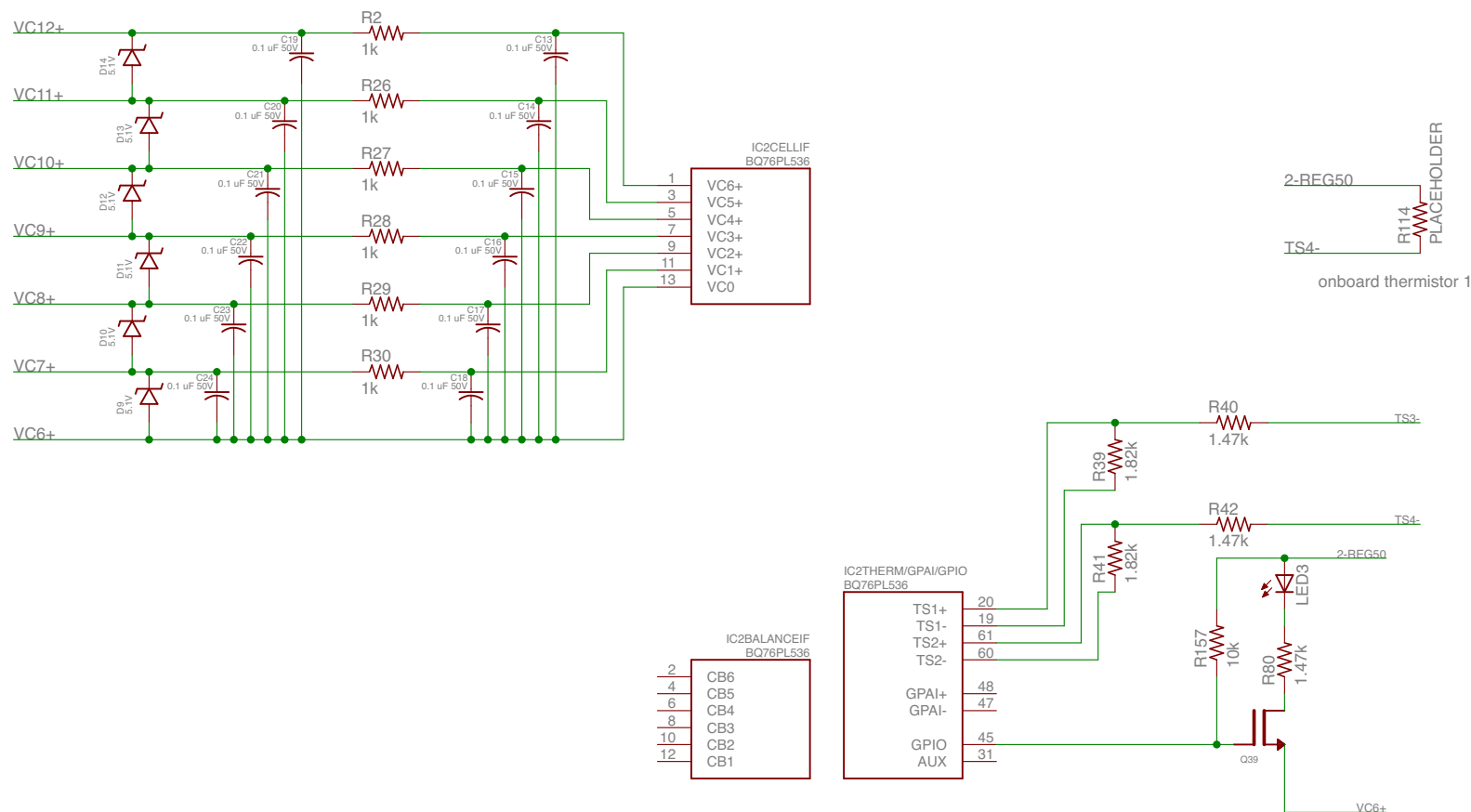
Board: Battery Interface Module  
 Drawn by Aaron Bonnell-Kangas  
 Revision date: v2.0.1 - 2015-04-01  
 Last modified date: 4/1/15 2:38 PM



Device #3 stack comms + power  
**RELEASE**



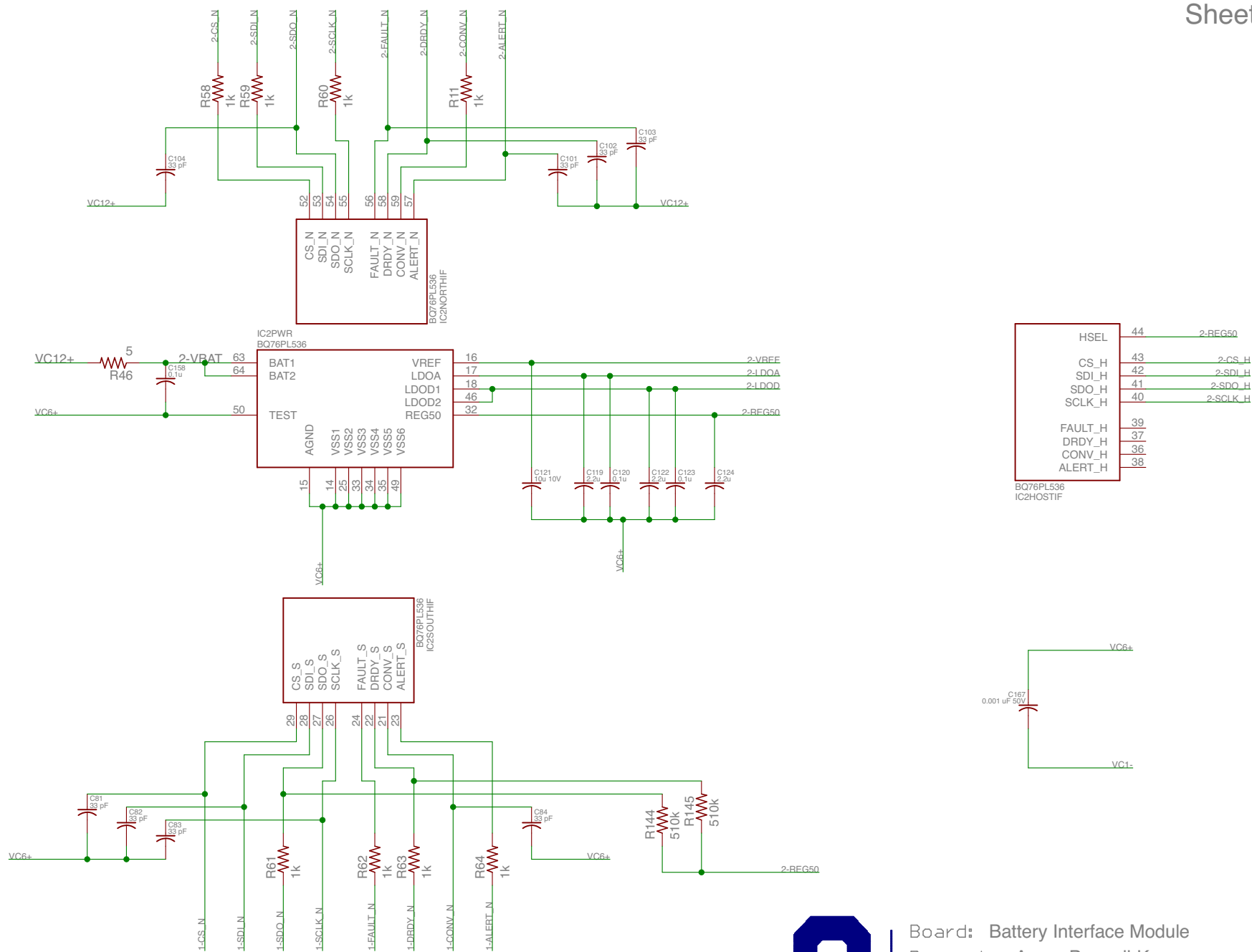
Board: Battery Interface Module  
 Drawn by Aaron Bonnell-Kangas  
 Revision date: v2.0.1 - 2015-04-01  
 Last modified date: 4/1/15 2:38 PM



# Device #2 cell interface, balancing, thermistors, GPIO



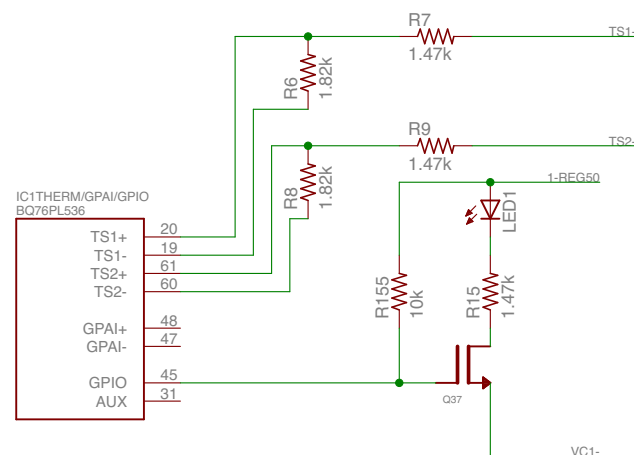
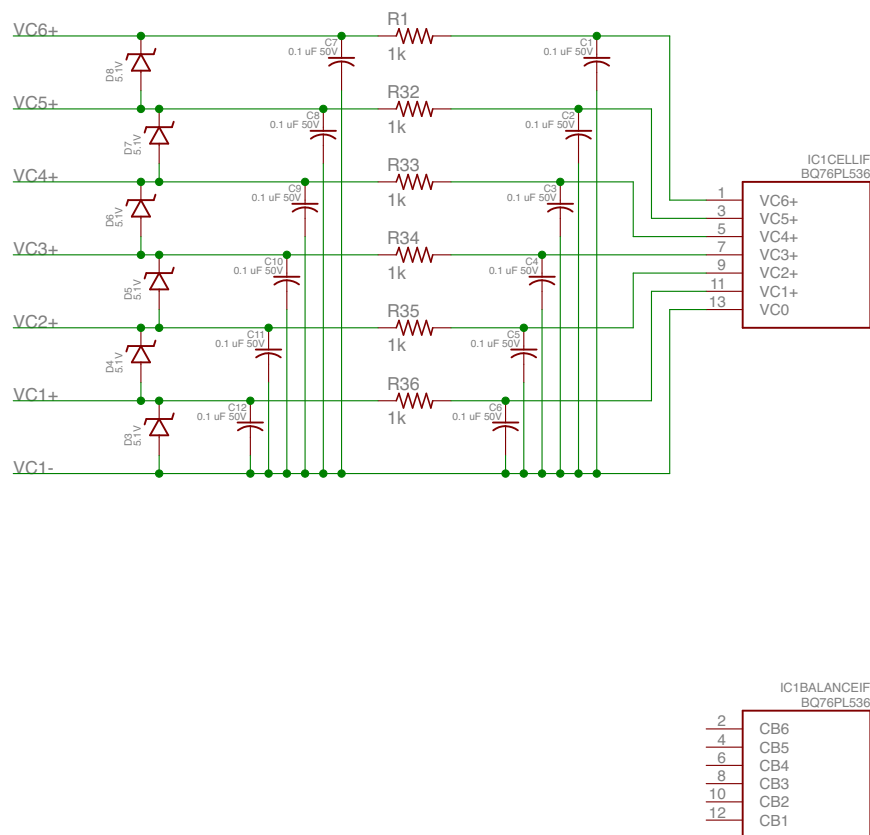
Board: Battery Interface Module  
 Drawn by Aaron Bonnell-Kangas  
 Revision date: v2.0.1 - 2015-04-01  
 Last modified date: 4/1/15 2:38 PM



Device #2 stack comms + power  
**RELEASE**



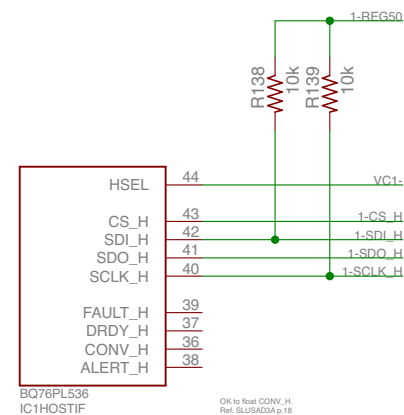
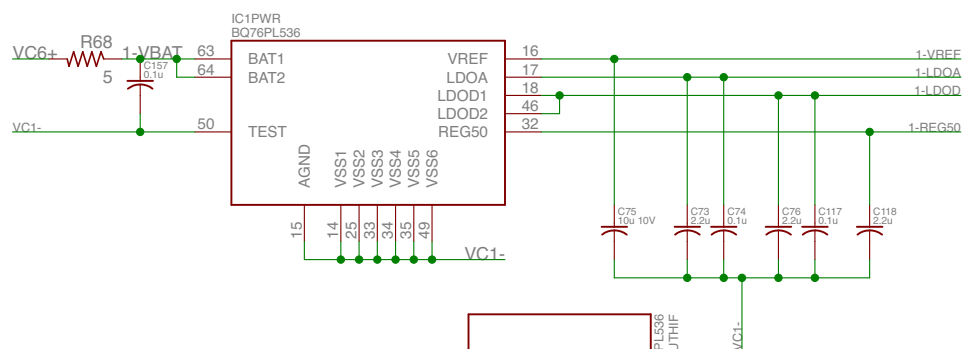
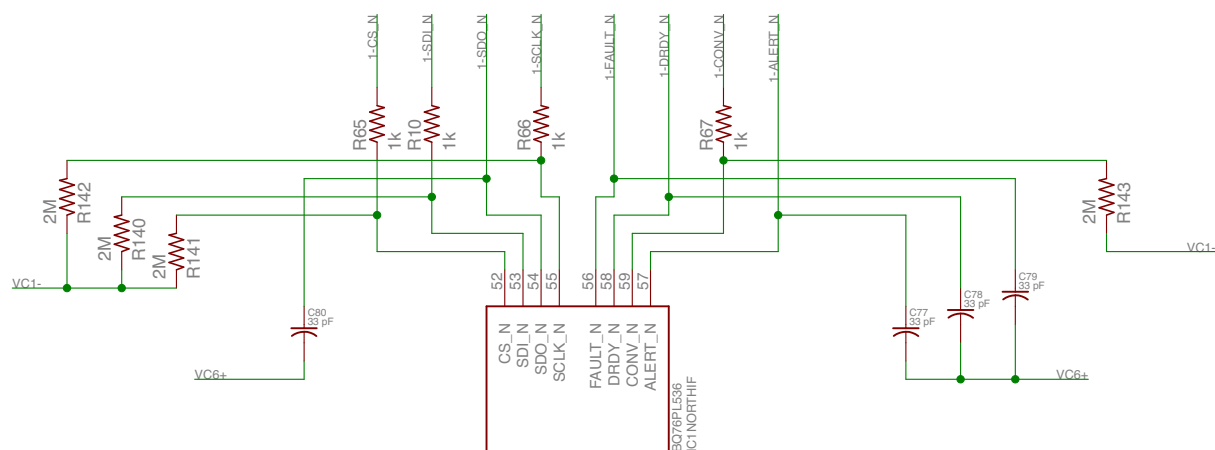
Board: Battery Interface Module  
 Drawn by Aaron Bonnell-Kangas  
 Revision date: v2.0.1 - 2015-04-01  
 Last modified date: 4/1/15 2:38 PM



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



Board: Battery Interface Module  
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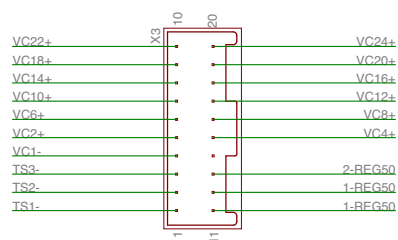
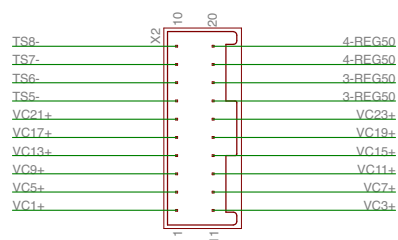


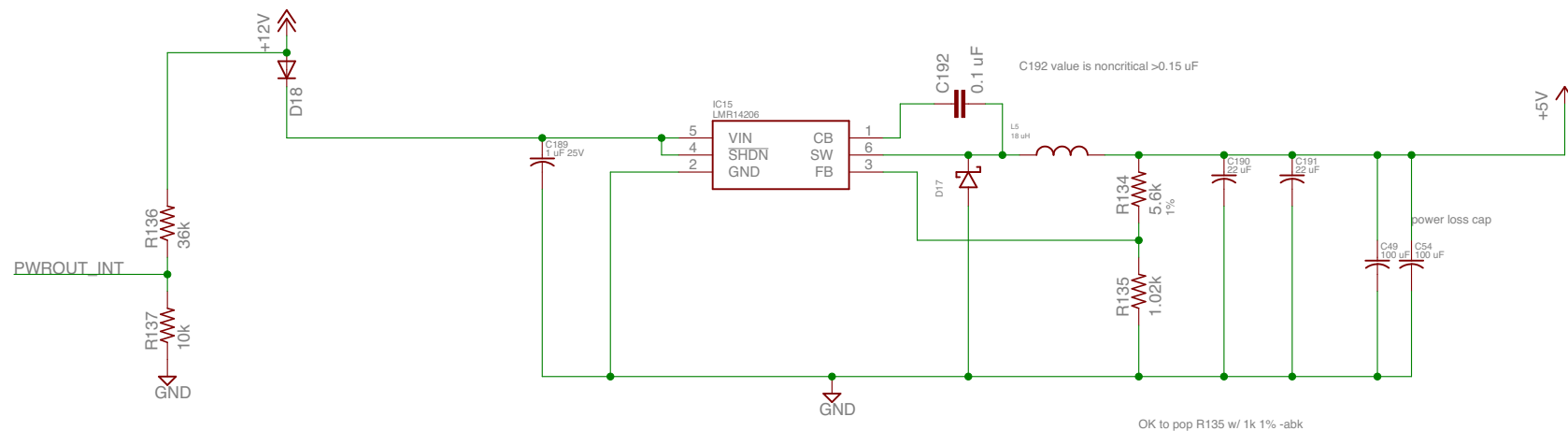
Device #1 stack comms + power  
**RELEASE**



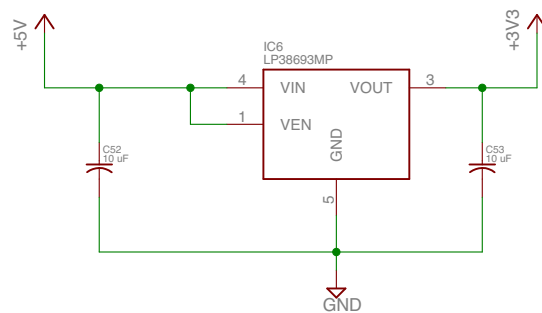
Board: Battery Interface Module  
Drawn by Aaron Bonnell-Kangas  
Revision date: v2.0.1 - 2015-04-01  
Last modified date: 4/1/15 2:38 PM







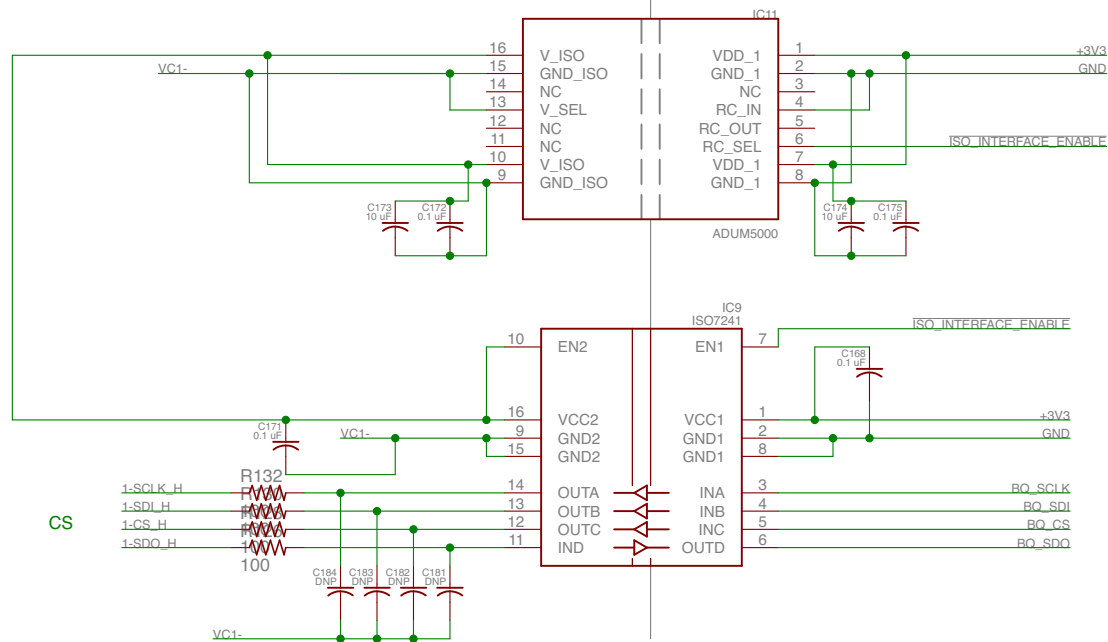
ref. WEBENCH design



12V - 5V, 5V-3V3 power  
**RELEASE**



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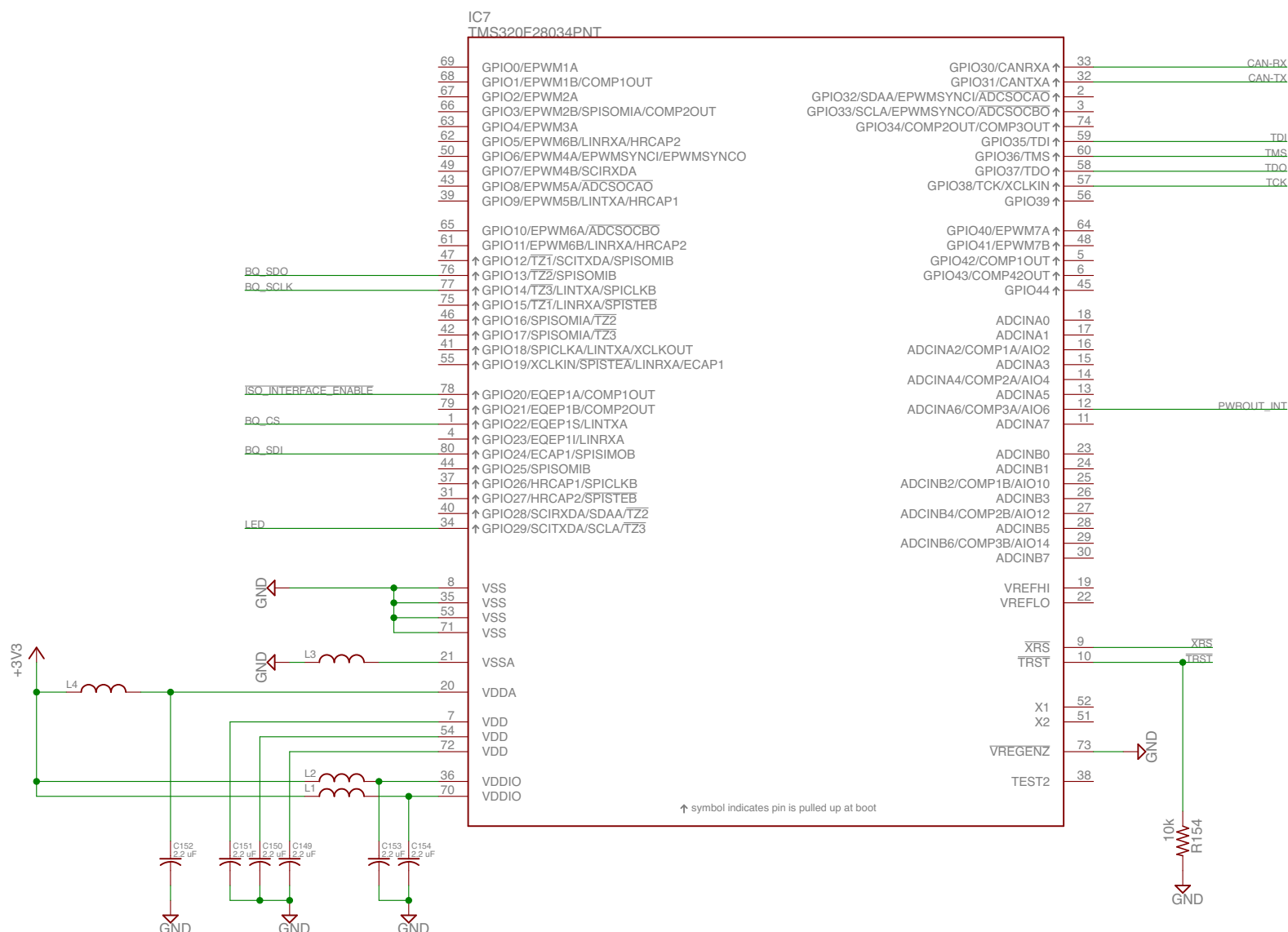


C181-C188 DNP UNLESS EMERGENCY

Isolated comms interface  
**RELEASE**



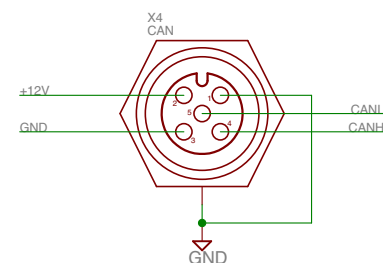
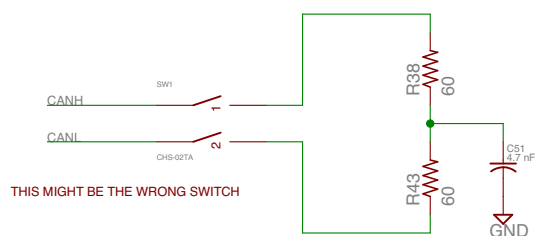
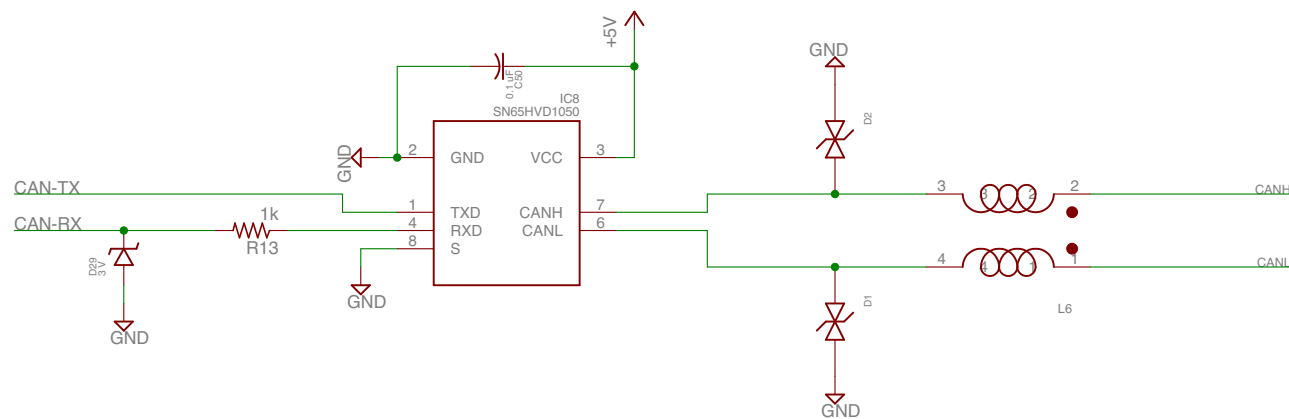
Board: Battery Interface Module  
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F28035 connections  
**RELEASE**



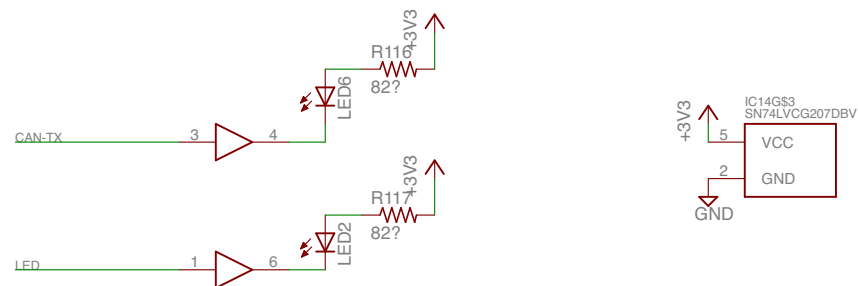
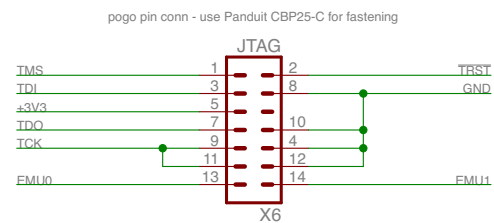
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CAN interface and termination  
**RELEASE**



Board: **Battery Interface Module**  
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JTAG, LEDs  
RELEASE



Board: Battery Interface Module  
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VC24+ TP3

VC12+ TP4

VC6+ TP5

VC1- TP6

BQ\_CS TP1

BQ\_SCLK TP2

BQ\_SDI TP27

BQ\_SDO TP28

4-REG50 TP7

3-REG50 TP8

2-REG50 TP9

1-REG50 TP10

±3V3 TP29

GND TP30

±5V TP31

±12V TP32

4-CS\_H TP11

4-SDO\_H TP12

4-SDI\_H TP13

4-SCLK\_H TP14

3-CS\_H TP15

3-SDO\_H TP16

3-SDI\_H TP17

3-SCLK\_H TP18

2-CS\_H TP19

2-SDO\_H TP20

2-SDI\_H TP21

2-SCLK\_H TP22

1-CS\_H TP23

1-SDO\_H TP24

1-SDI\_H TP25

1-SCLK\_H TP26

Test points  
**RELEASE**



Board:  
Drawn by  
Revision date:  
Last modified date: 4/1/15 2:38 PM