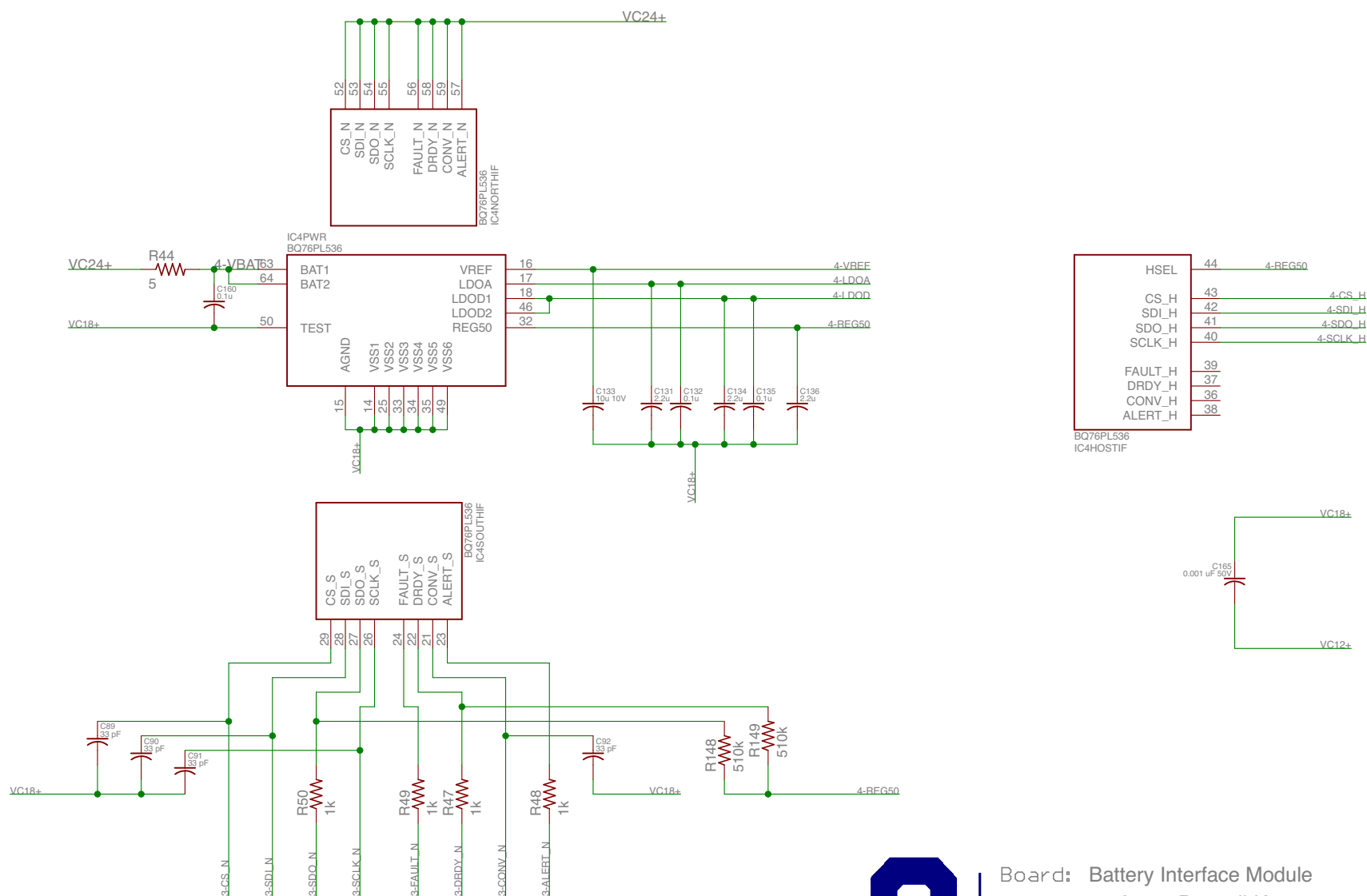


Device #4 cell interface, balancing, thermistors, GPIO
BETA



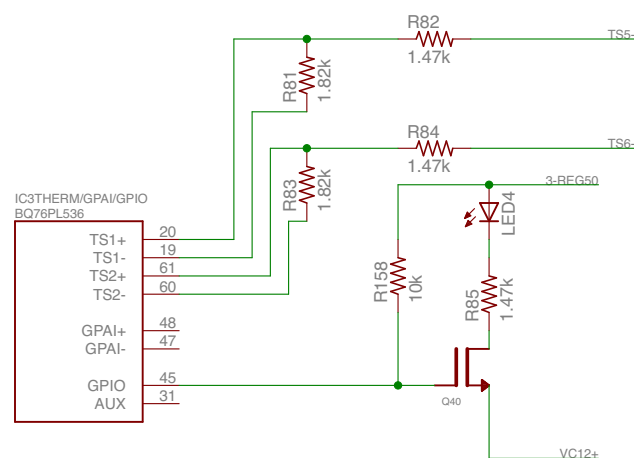
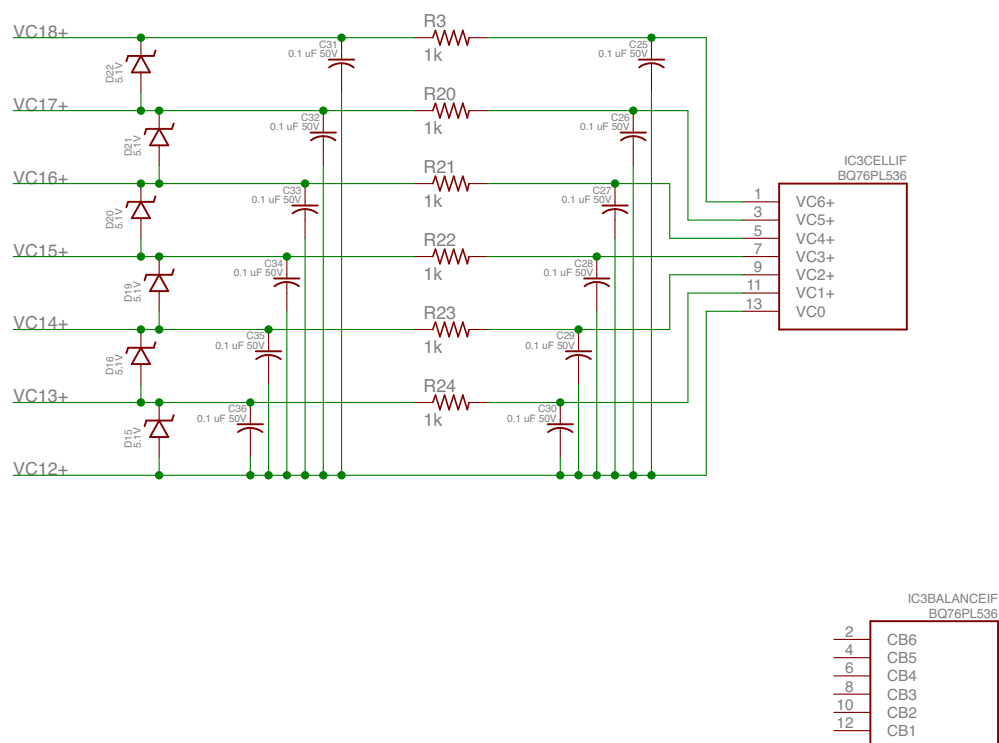
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



Device #4 stack comms + power
BETA



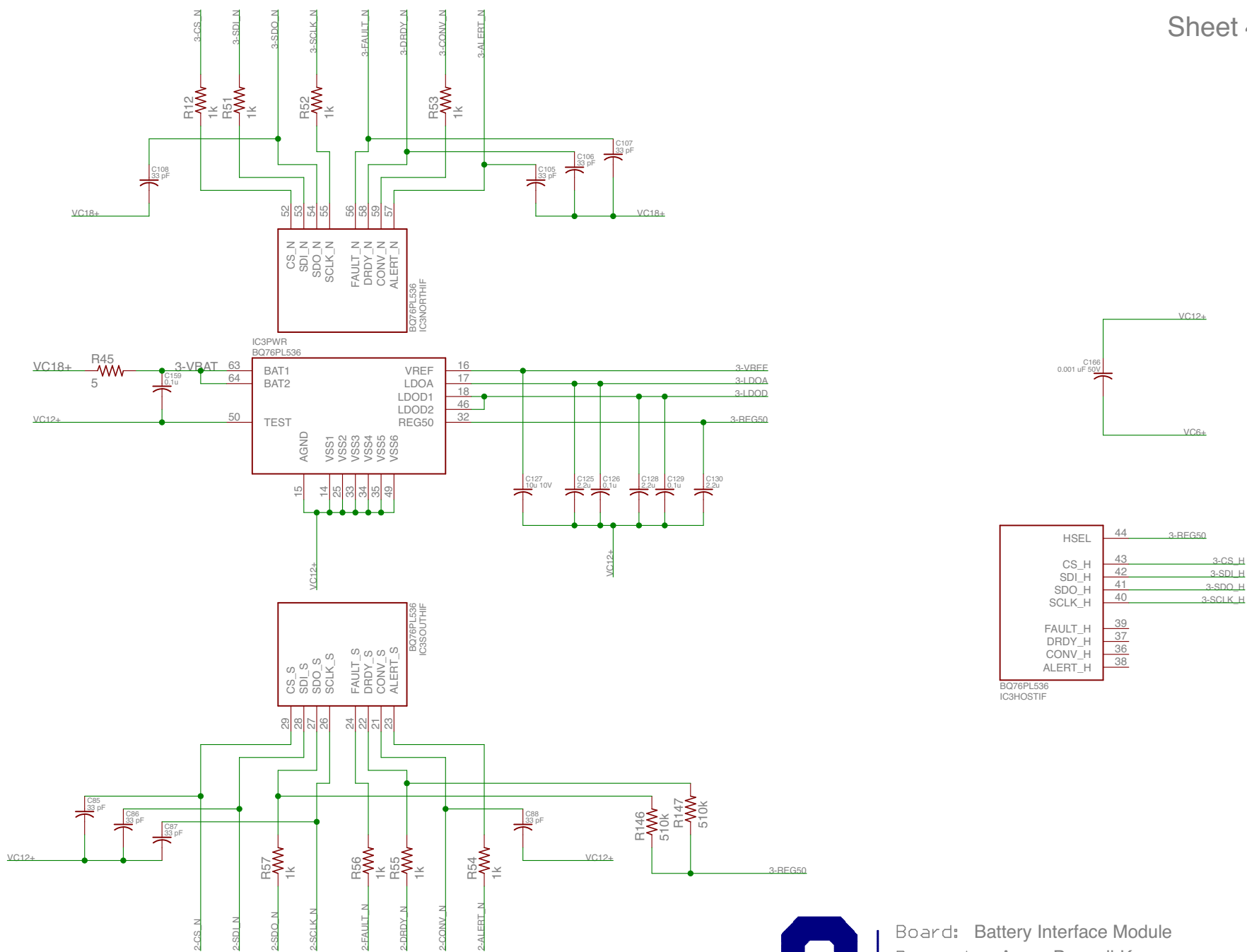
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



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



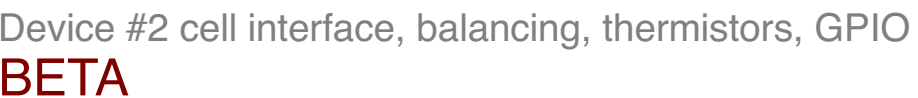
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



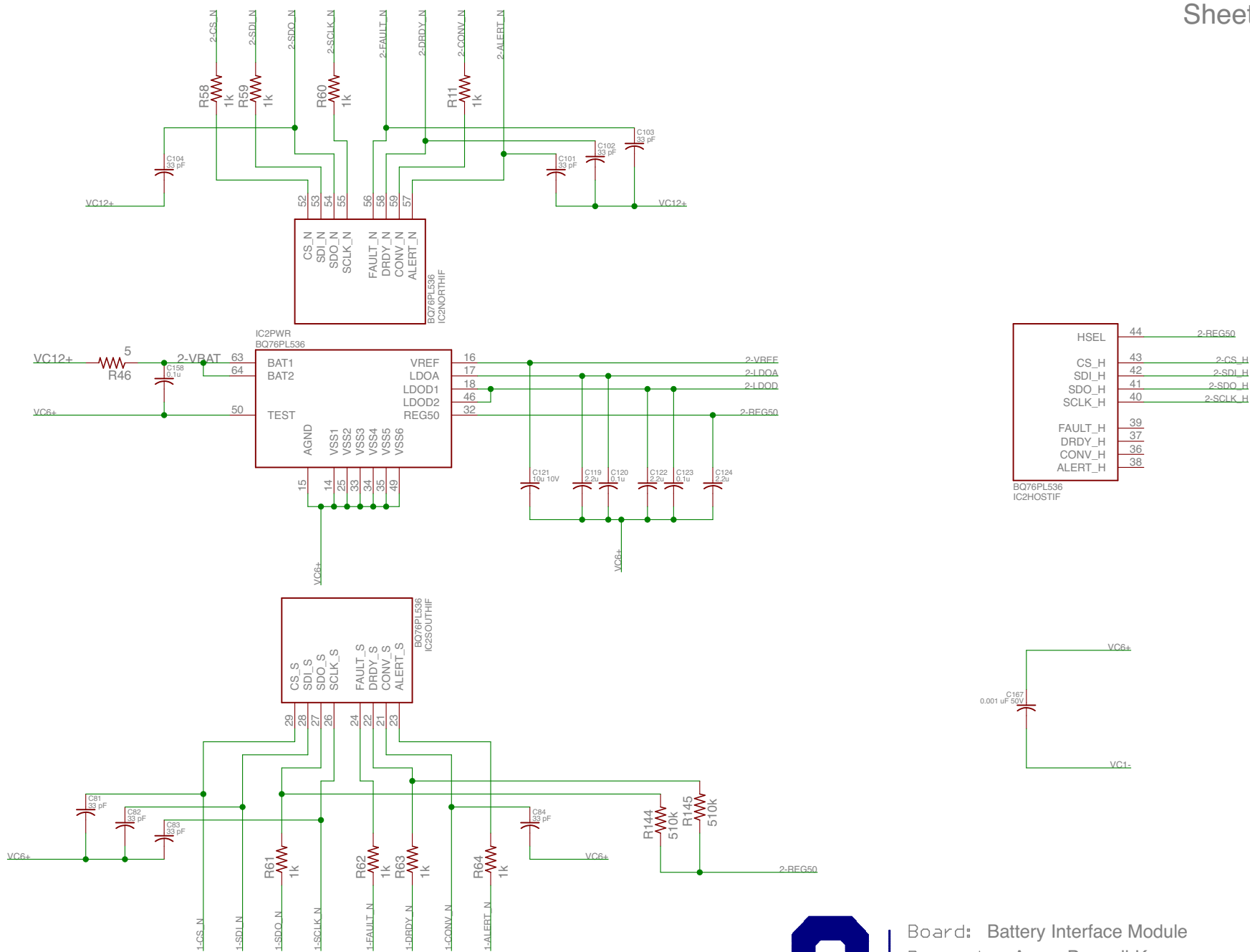
Device #3 stack comms + power
BETA



Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



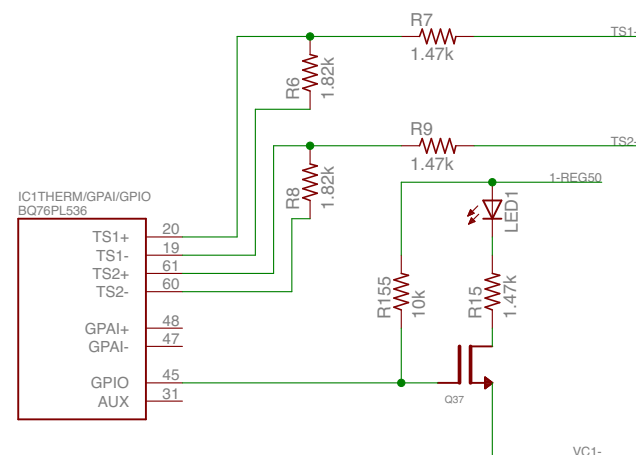
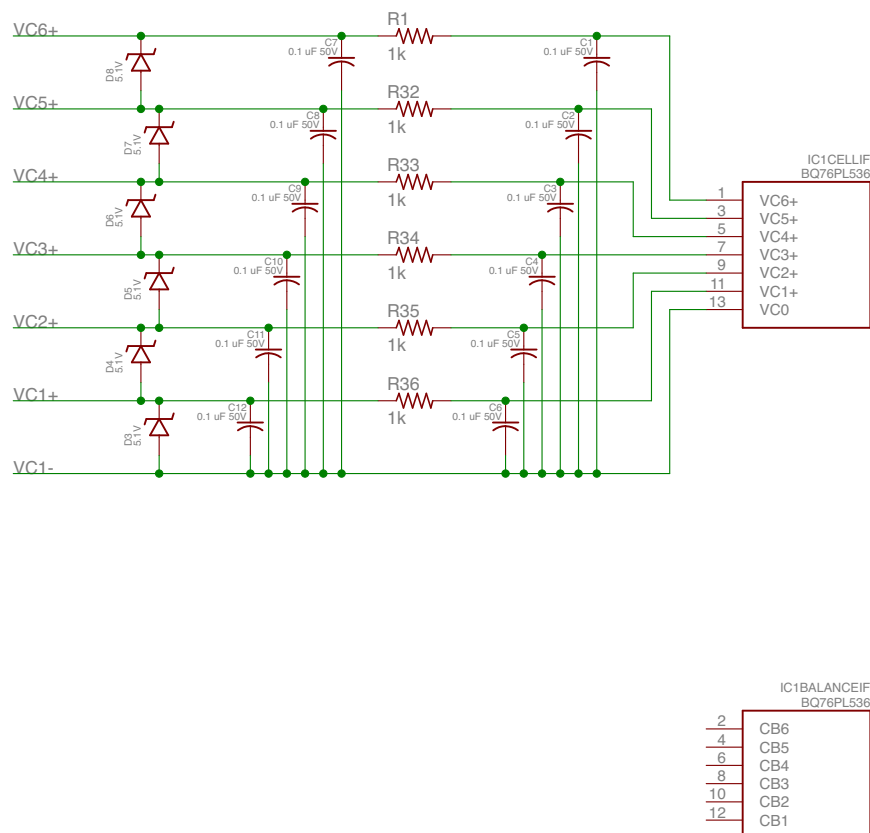
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



Device #2 stack comms + power
BETA



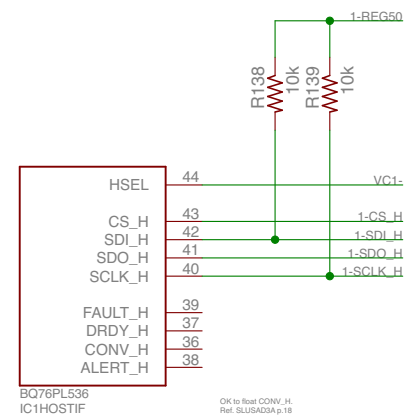
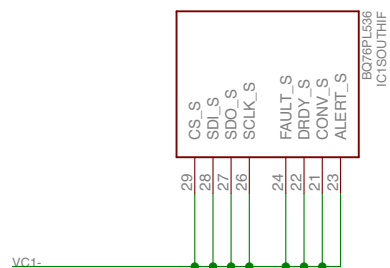
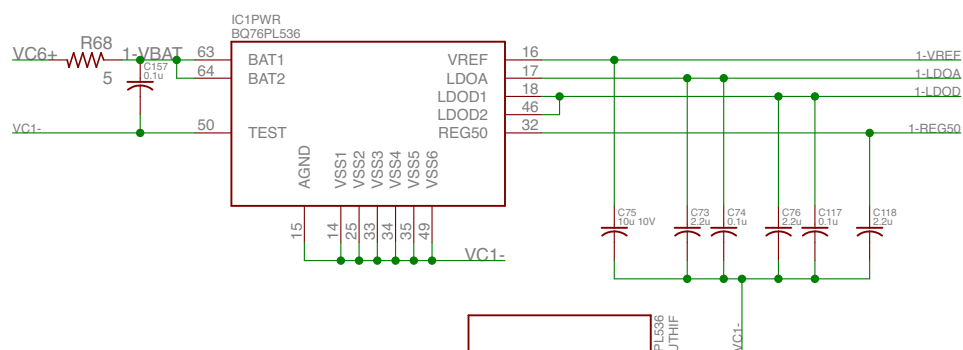
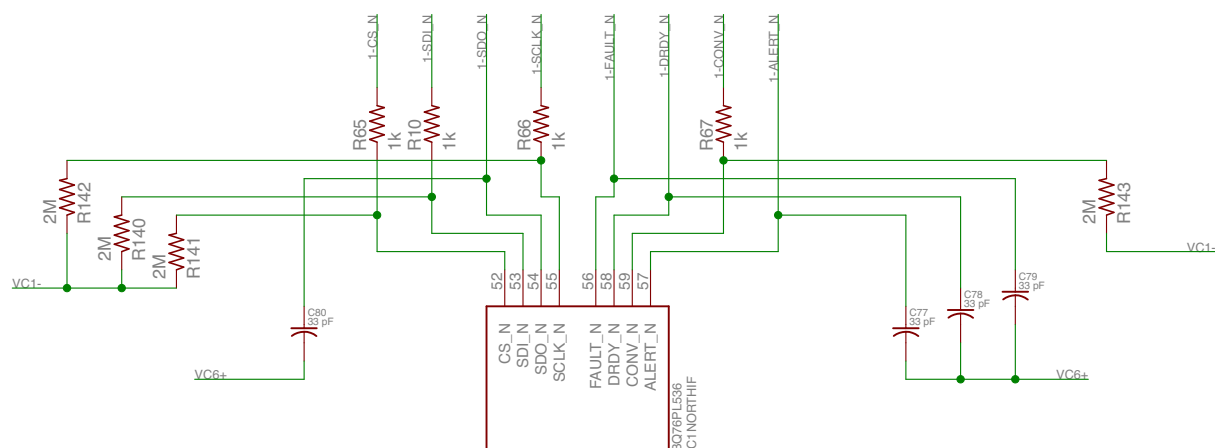
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



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



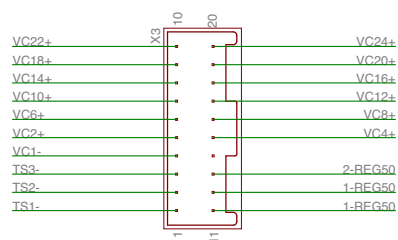
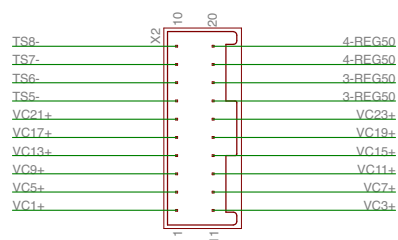
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM

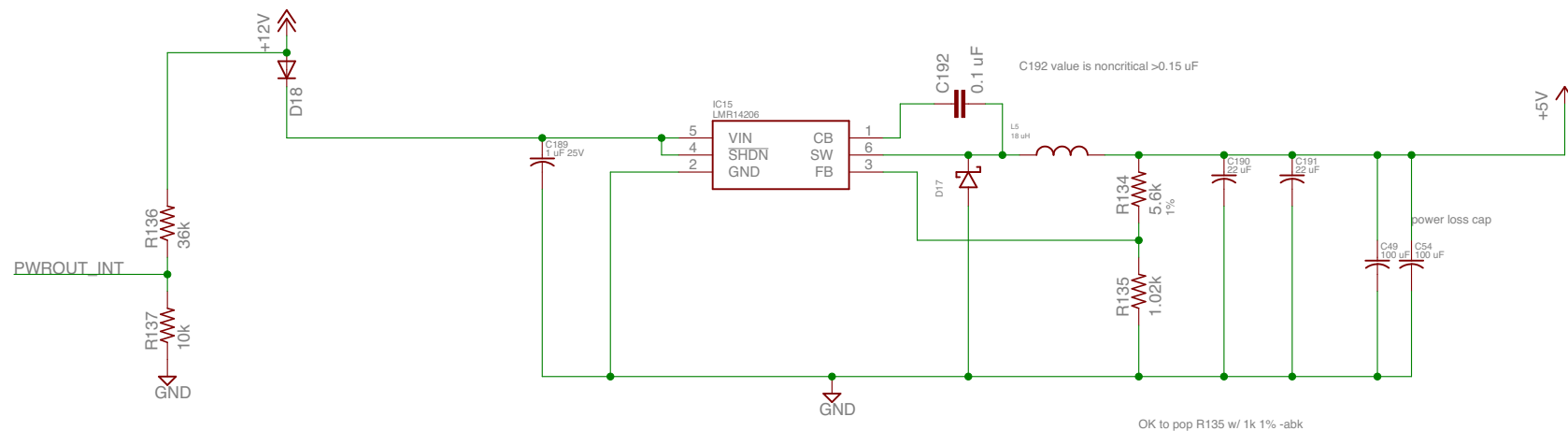


Device #1 stack comms + power
BETA

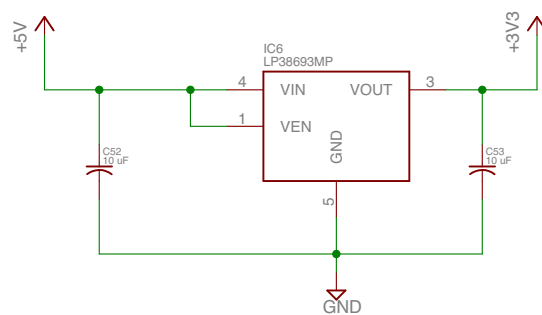


Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM





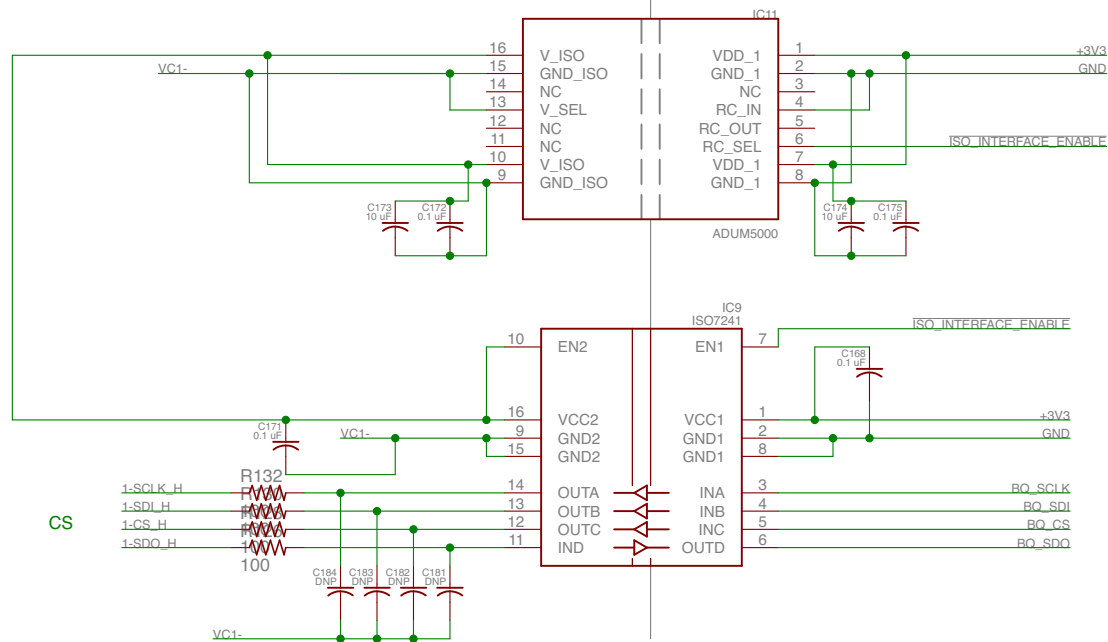
ref. WEBENCH design



12V - 5V, 5V-3V3 power
BETA



Board: Battery Interface Module
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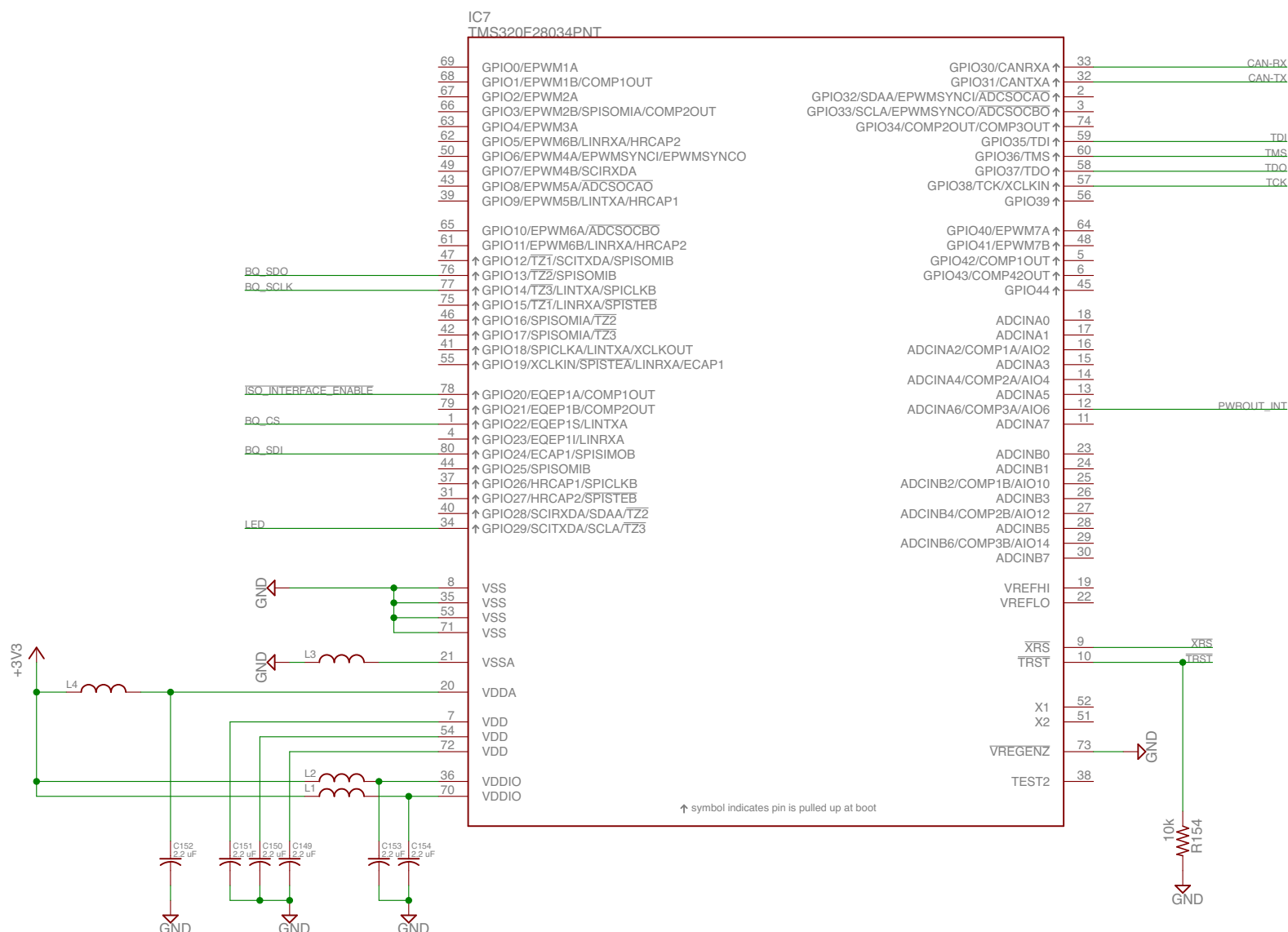


C181-C188 DNP UNLESS EMERGENCY

Isolated comms interface
BETA



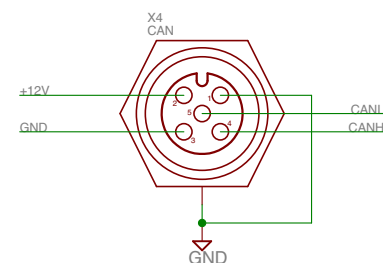
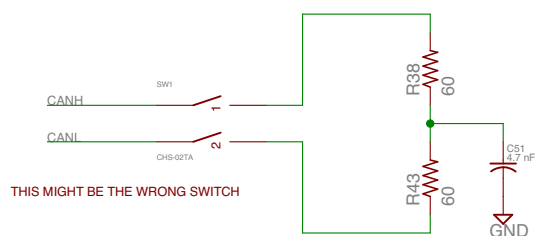
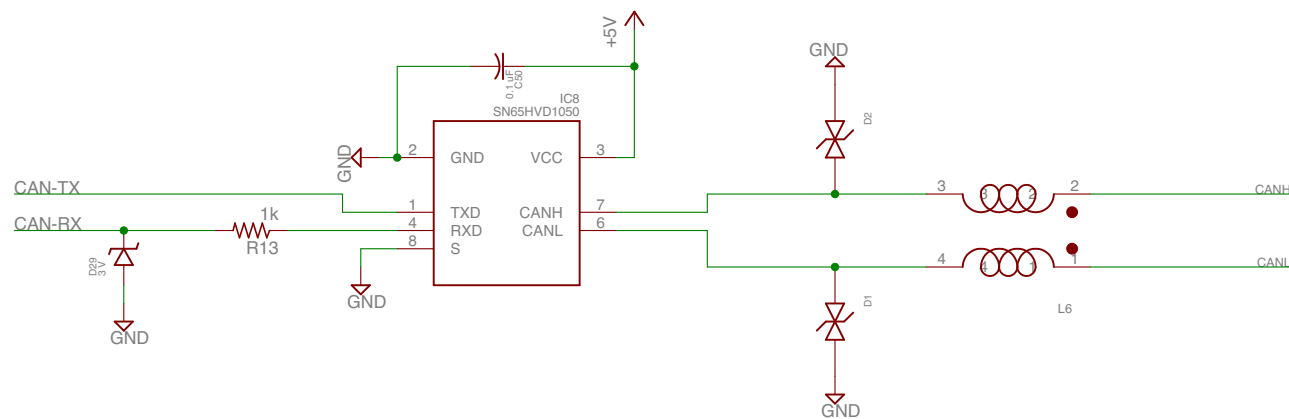
Board: Battery Interface Module
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F28035 connections
BETA



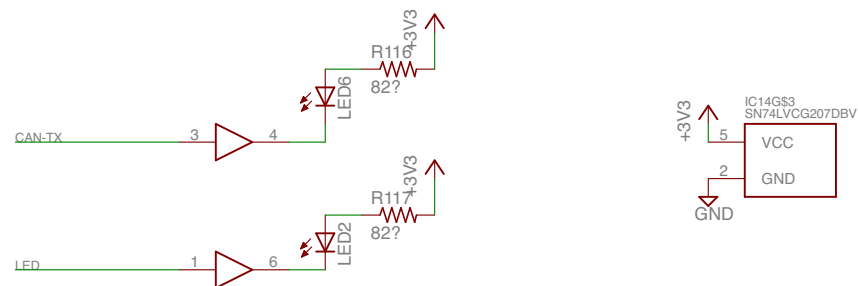
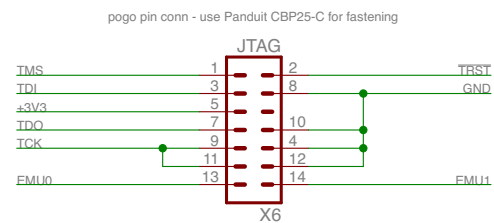
Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



CAN interface and termination
BETA



Board: **Battery Interface Module**
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM



JTAG, LEDs
BETA



Board: Battery Interface Module
 Drawn by Aaron Bonnell-Kangas
 Revision date: v2-beta2
 Last modified date: 3/27/15 11:18 AM

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

