

1

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A

B


C

D

Revision History

Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A

Place Block Diagram here (if appropriate) or delete this text box.
If using a block diagram from another tool, save the picture as a .bmp file.
Then, use menu Place|Drawing Tools|Graphic to insert the .png/.svg/.bmp file on the schematic.

Orderable: EVM_orderable	Designed for: Public Release	Mod. Date: 10/12/2017	 <div>TEXAS INSTRUMENTS</div> http://www.ti.com © Texas Instruments 2017
TID #: N/A	Project Title: ±300A Isolated Current Sense for Traction Inverter		
Number: TIDA-01543	Rev: E1	Sheet Title:	
SVN Rev: Version control disabled	Assembly Variant: [No Variations]	Sheet: 1 of 3	
Drawn By:	File: CoverSheet.SchDoc	Size: B	
Engineer: S. M.	Contact: http://www.ti.com/support		

1

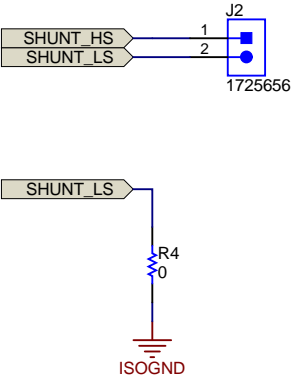
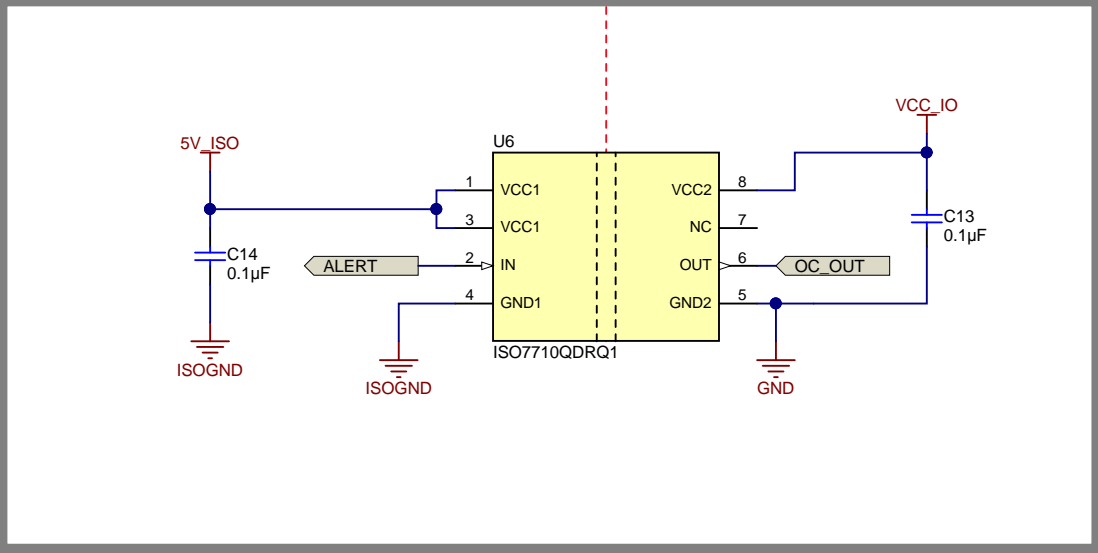
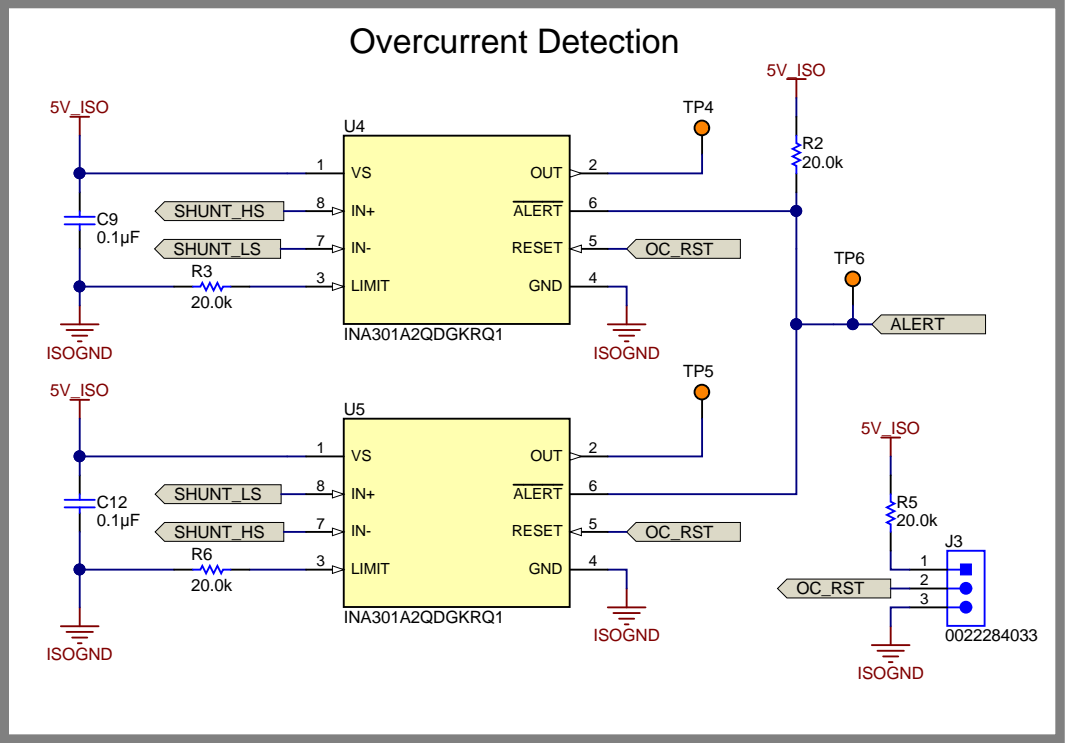
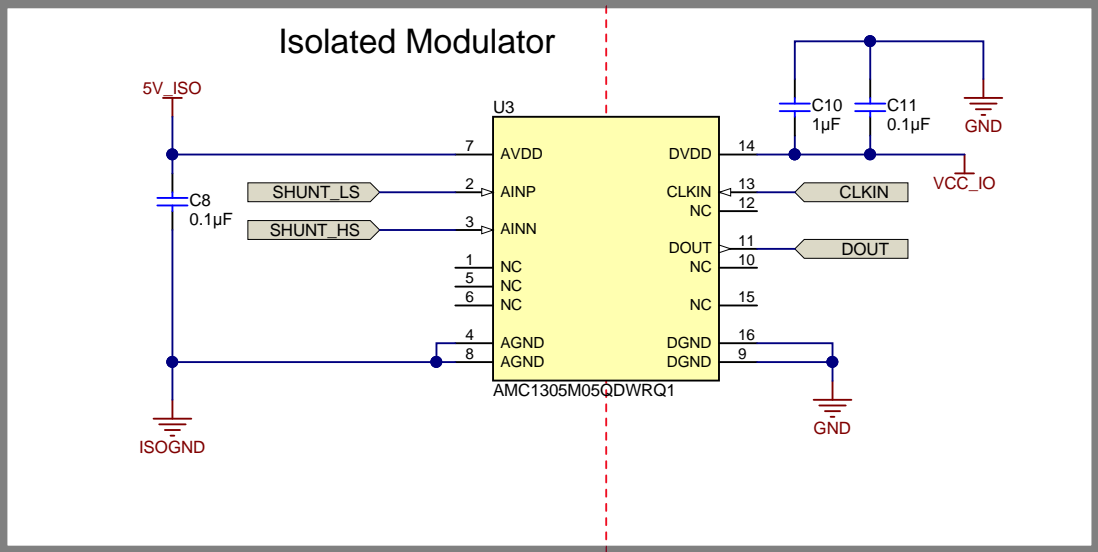
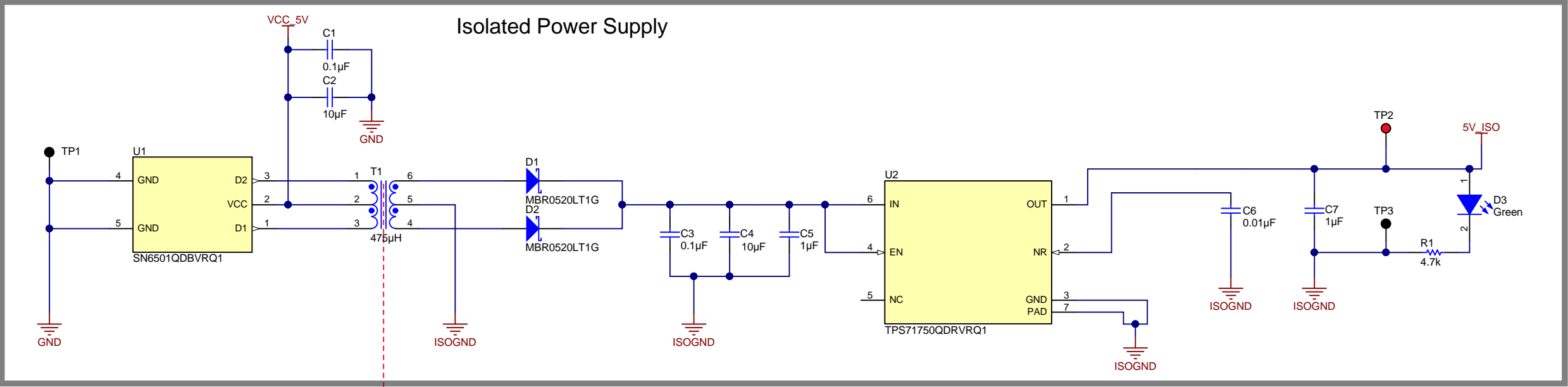
2

3

4

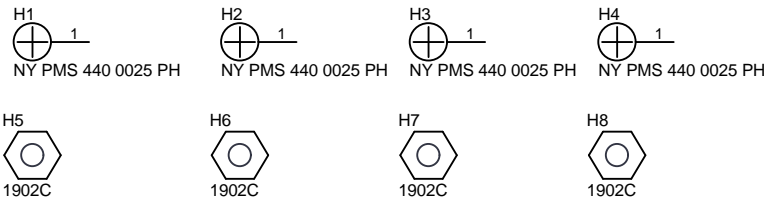
5

6



Note: R3 and R6 set the current at which the ALERT output is activated.
See the INA301 Datasheet for more Information.

80 uA current source in the INA, with R_Limit=20k
INA Threshold: 1.6V at Output
 $1.6V/50 = 32mV$ at INA input
Overcurrent detection triggers at $\pm 256A$ with 125 uOhm shunt



PCB Number: TIDA-01543
PCB Rev: A1

PCB
LOGO

PCB
LOGO

LBL1

PCB Label

Size: 0.65" x 0.20 "

ZZ1

Label Assembly Note

This Assembly Note is for PCB labels only

[illegible]

ZZ2

Assembly Note

This Assembly Note will show in the PcbDoc and associated outputs

ZZ3

Assembly Note

This Assembly Note will show in the PcbDoc and associated outputs

ZZ4

Assembly Note

This Assembly Note will show in the PcbDoc and associated outputs

You should delete the nylon screws/standoffs and/or the bumpons as needed for your design (or substitute other parts from Hardware.IntLib). Bumpons are cheaper, but provide less clearance.

Deleting anything else from this page may result in your EVM submission being rejected (until you add them back).

Update the Label Text in the Label Table as needed for each Assembly Variant.

You should delete this note too.