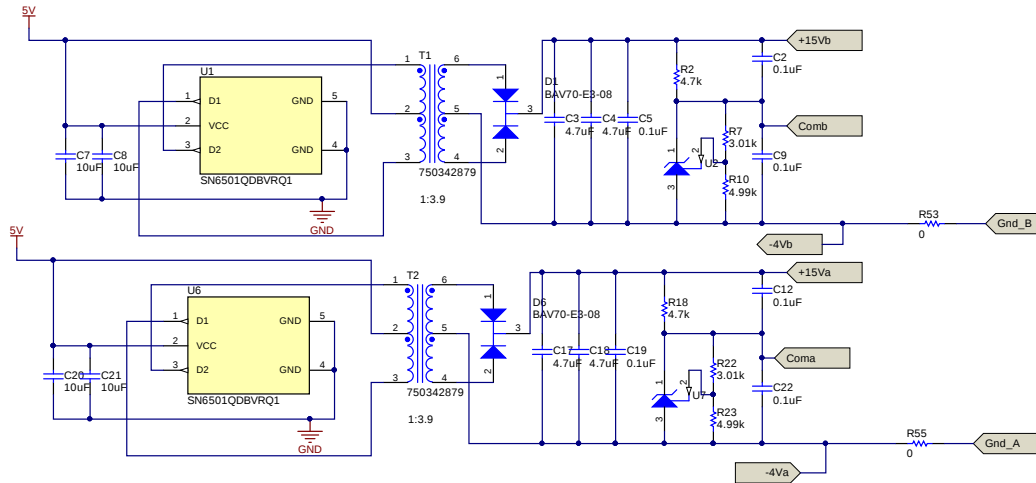
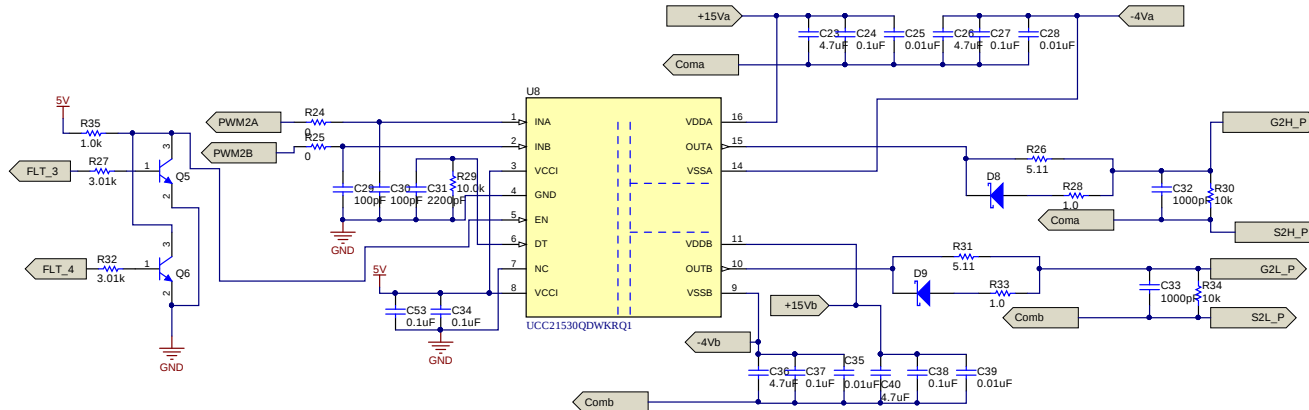


Gate drive card for Primary Side Leg 2

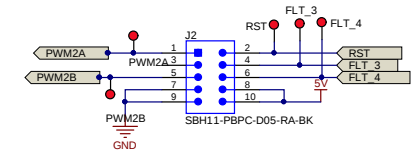
Bias power supply for UCC21530



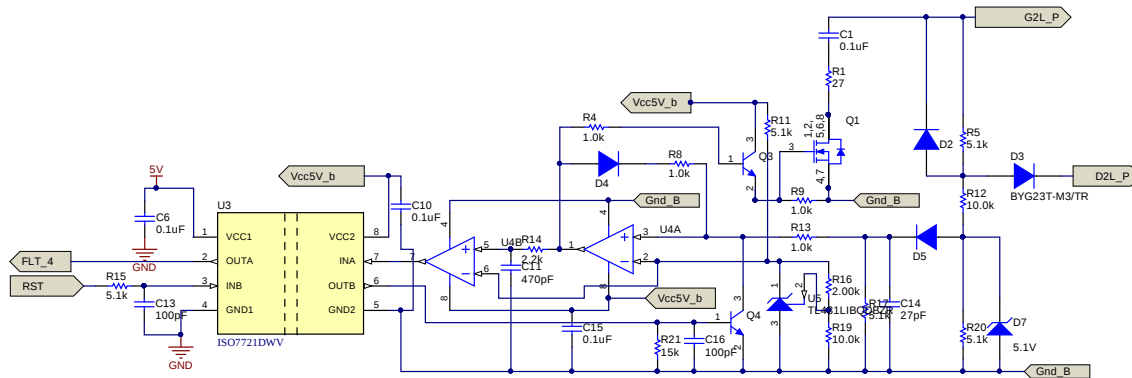
Isolated Gate Driver circuit



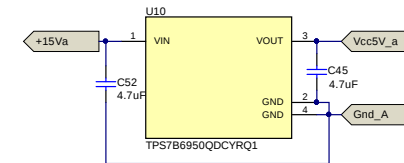
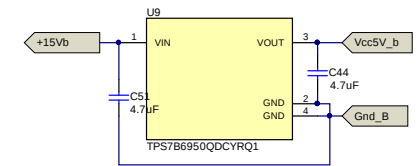
Gate drive card - Controller connector



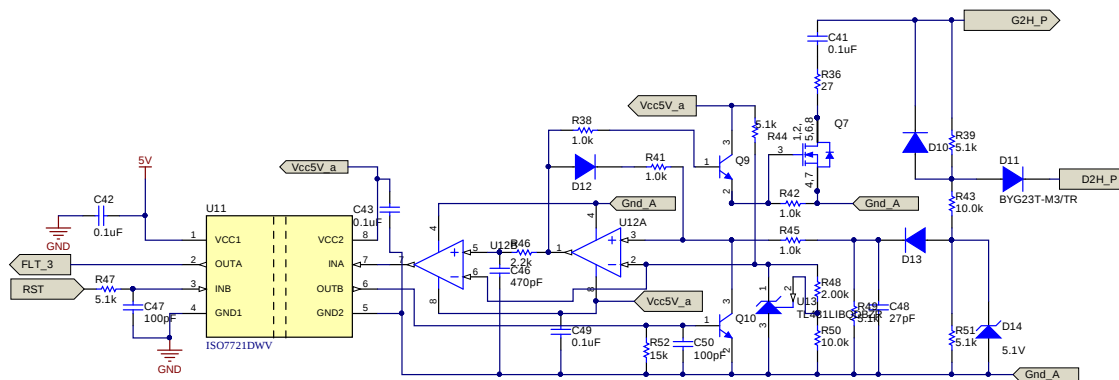
Short circuit Detection & Two Level Turn Off For low side switch



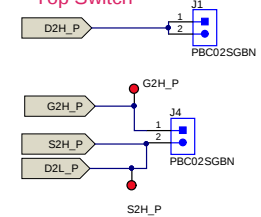
Isolated 5V supply for Isolator



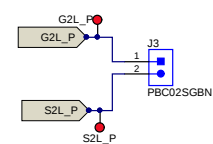
Short circuit Detection & Two Level Turn Off For high side switch



Top Switch



Bottom Switch



1	2	3	4	5	6																														
				<table><tr><th colspan="5">Revision History</th></tr><tr><th>Rev</th><th>ECN #</th><th>Approved Date</th><th>Approved by</th><th>Notes</th></tr><tr><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td></tr></table>		Revision History					Rev	ECN #	Approved Date	Approved by	Notes	N/A	N/A	N/A	N/A	N/A															
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N/A	N/A	N/A	N/A	N/A																															
A						A																													
B						B																													
C						C																													
D						D																													
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.																																			
<table><tr><td colspan="2">Orderable: EVM_orderable</td><td colspan="2">Designed for: Public Release</td><td colspan="2">Mod. Date: 12/6/2018</td></tr><tr><td colspan="2">TID #:</td><td colspan="4">Project Title: 10KW BIDIRECTIONAL DC-DC CONVERTER_GA</td></tr><tr><td colspan="2">Number: TIDA-010054 Rev: E1</td><td colspan="2">Sheet Title:</td><td colspan="2">Sheet: 3 of 4</td></tr><tr><td colspan="2">Drawn By:</td><td colspan="2">File: PCB Project_CoverSheet_SchDoc</td><td colspan="2">Size: B</td></tr><tr><td colspan="2">Engineer: HARISH</td><td colspan="2">Contact: http://www.ti.com/support</td><td colspan="2"></td></tr></table>						Orderable: EVM_orderable		Designed for: Public Release		Mod. Date: 12/6/2018		TID #:		Project Title: 10KW BIDIRECTIONAL DC-DC CONVERTER_GA				Number: TIDA-010054 Rev: E1		Sheet Title:		Sheet: 3 of 4		Drawn By:		File: PCB Project_CoverSheet_SchDoc		Size: B		Engineer: HARISH		Contact: http://www.ti.com/support			
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1	2	3	4	5	6																														



PCB Number: TIDA-010054
PCB Rev: E1

PCB
LOGO
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PCB
LOGO
FCC disclaimer

PCB
LOGO
WEEE logo

You should delete the nylon screws/standoffs and/or the bumpers as needed for your design (or substitute other parts from Hardware.IntLib). Bumpers 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.

Variant/Label Table

Variant	Label Text
001	ChangeMe!
002	ChangeMe!

LBL1

PCB Label

TH1-14-423-10
Size: 0.65" x 0.20"

ZZ1

Label Assembly Note

This Assembly Note is for PCB labels only

ZZ2

Assembly Note

These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3

Assembly Note

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4

Assembly Note

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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Orderable: EVM_orderable	Designed for: Public Release	Mod. Date: 6/13/2019
TID #:	Project Title: 10KW BIDIRECTIONAL DC-DC CONVERTER_GA1	
Number: TIDA-010054 Rev: E1	Sheet Title:	Sheet: 4 of 4
Drawn By:	Assembly Variant: [No Variations]	Size: B
Engineer: HARISH	File: PCB_Project_EVM_Hardware_SchDoc	Contact: http://www.ti.com/support