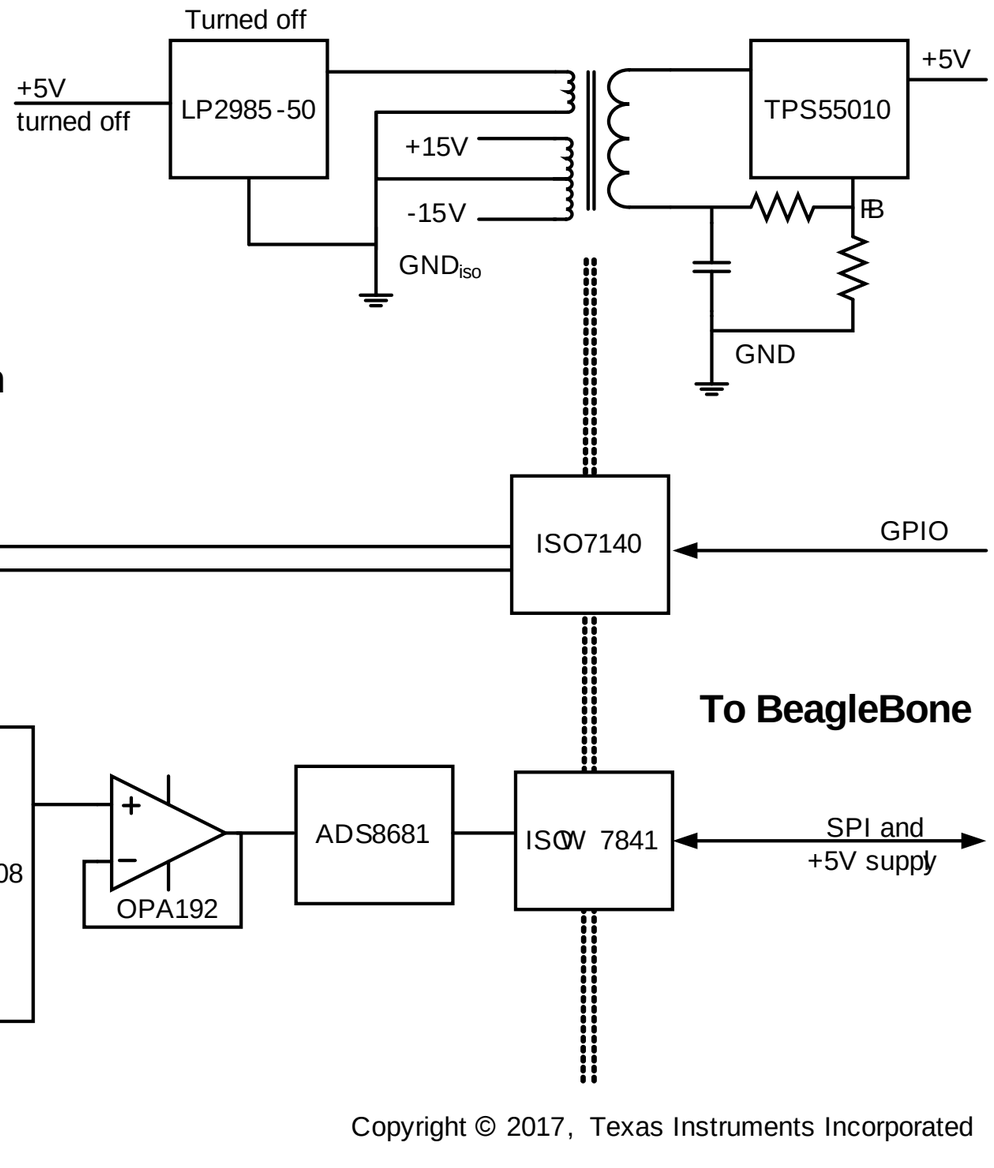
Revision History	
Revision	Notes

TIDA-01333

8-ch Isolated High Voltage Analog Input Module with ISOW7841 Reference Design

Power



Signal Chain

Orderable: N/A		Designed for: Public Release	Mod. Date: 20.02.2017
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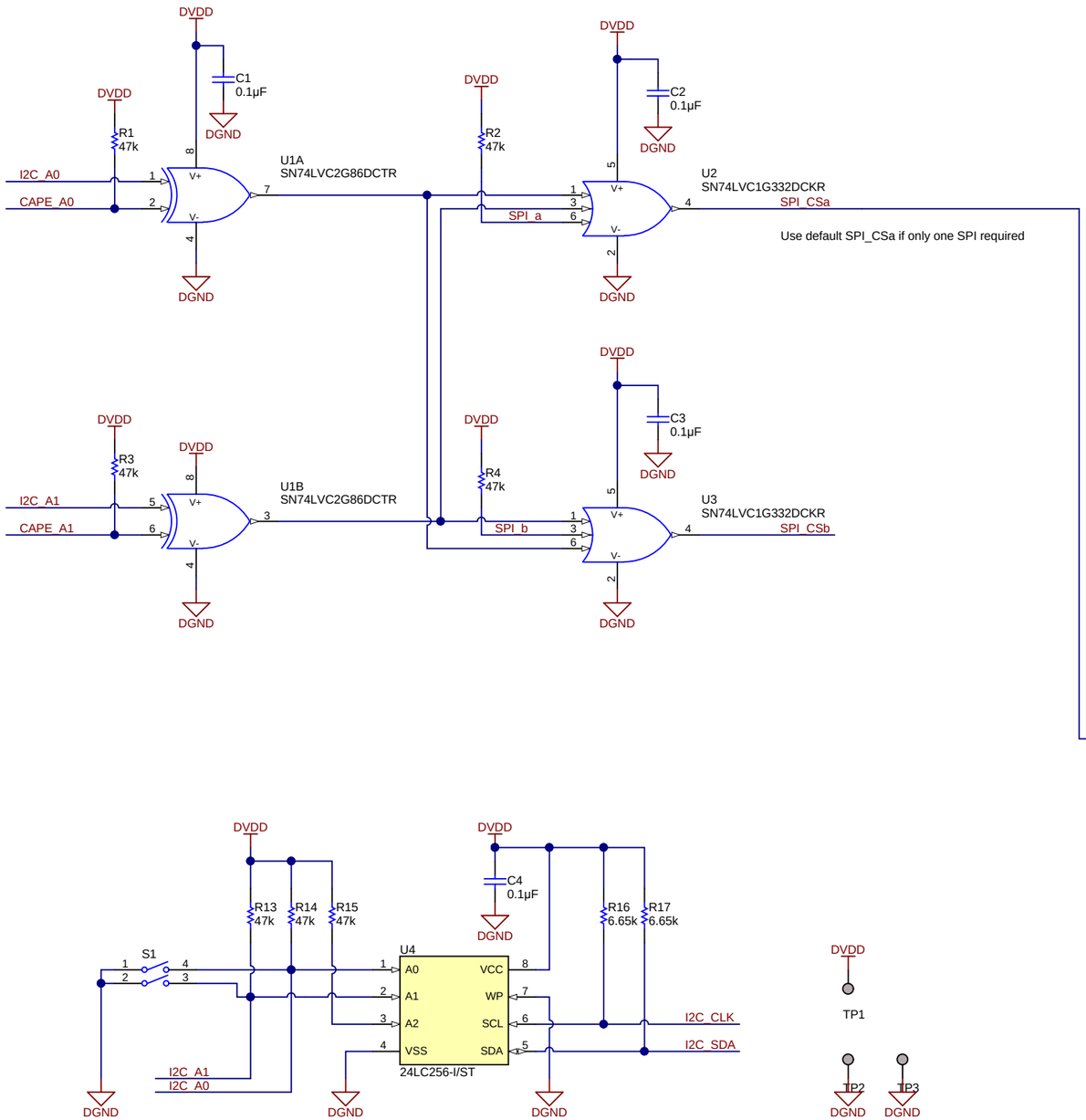
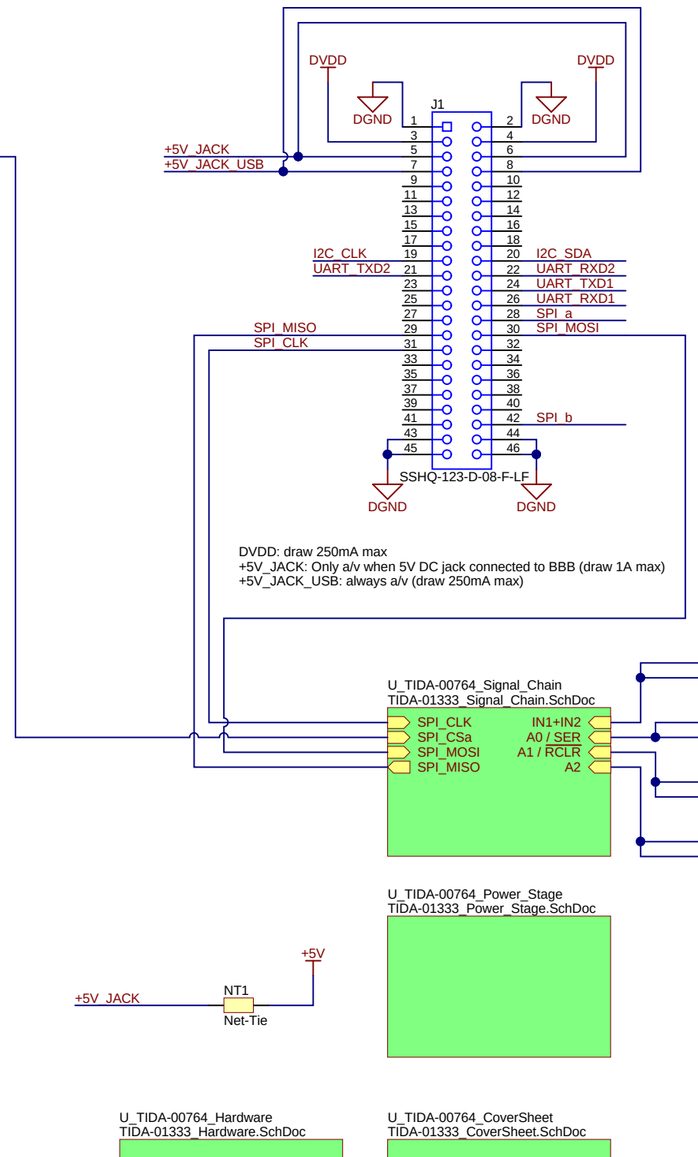
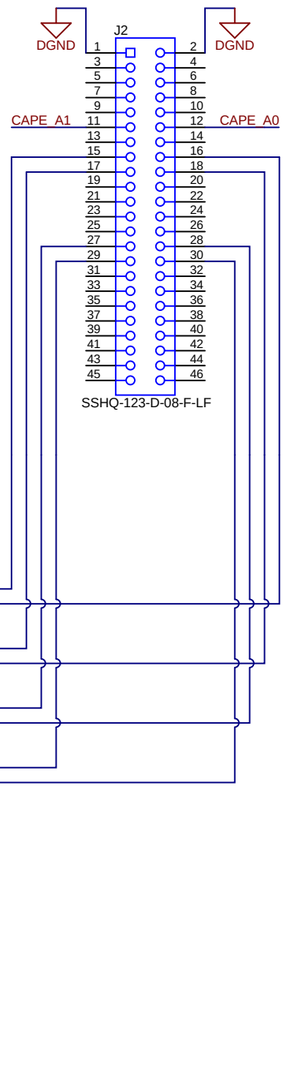
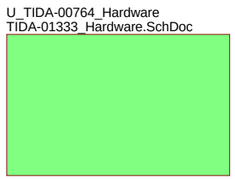
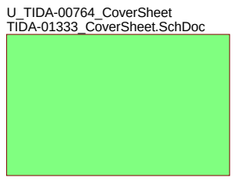
Number: TIDA-01333	Rev: E1	Sheet Title: Block Diagram	
SVN Rev: Version control disabled		Assembly Variant: 001	Sheet: 1 of 10
Drawn By: Tobias Puetz		File: TIDA-01333_CoverSheet.SchDoc	Size: B
Engineer: Tobias Puetz		Contact: http://www.ti.com/support	











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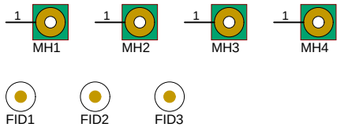
Number: TIDA-01333 Rev: E1	Sheet Title: Cape	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 2 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Cape.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	



PCB Number: TIDA-01333
PCB Rev: E1

PCB LOGO
Logo1

PCB LOGO
Logo2

Label Table	
Variant	Label Text
001	TIDA-01333

ZZ1
Assembly Note
This Assembly Note will show in the PcbDoc and associated outputs

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

Orderable: N/A	Designed for: Public Release	Mod. Date: 22.02.2017
TID #: TIDA-01333	Project Title: 8-ch Isolated High Voltage Analog Input Module with	
Number: TIDA-01333 Rev: E1	Sheet Title: Hardware	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 3 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Hardware.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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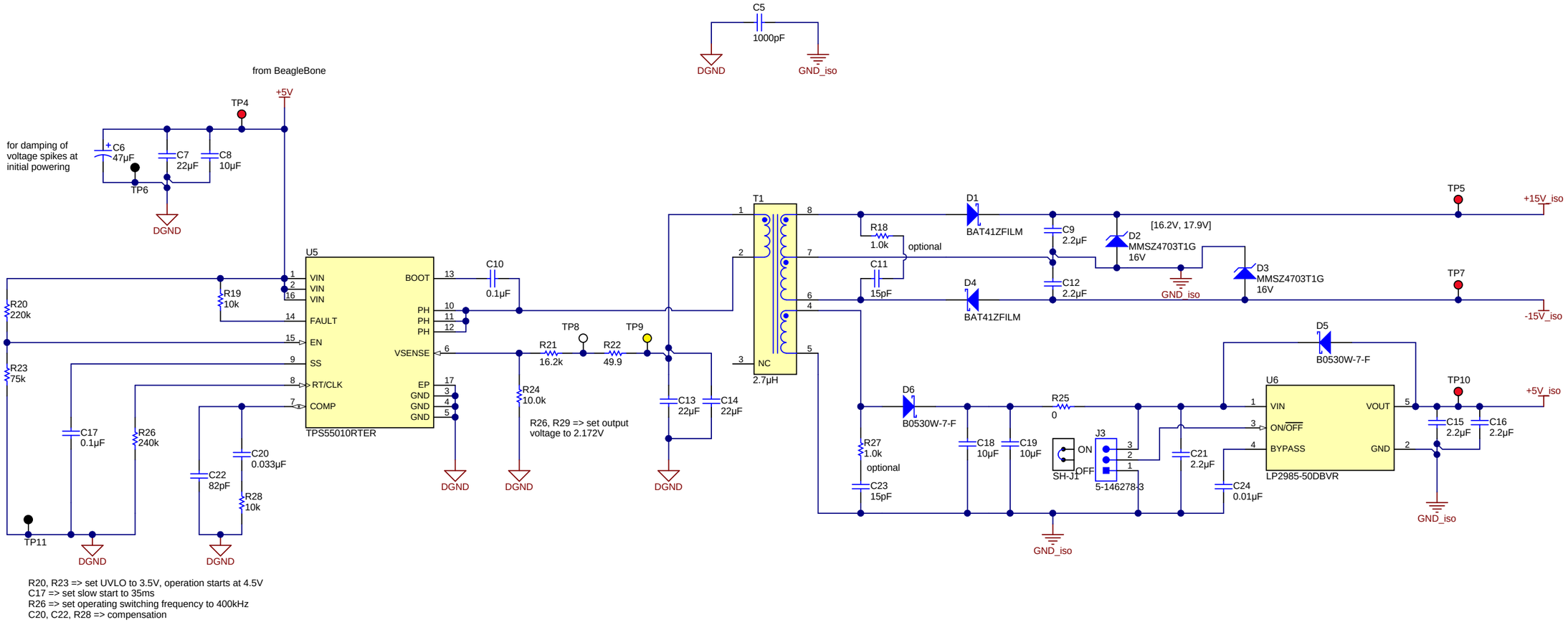

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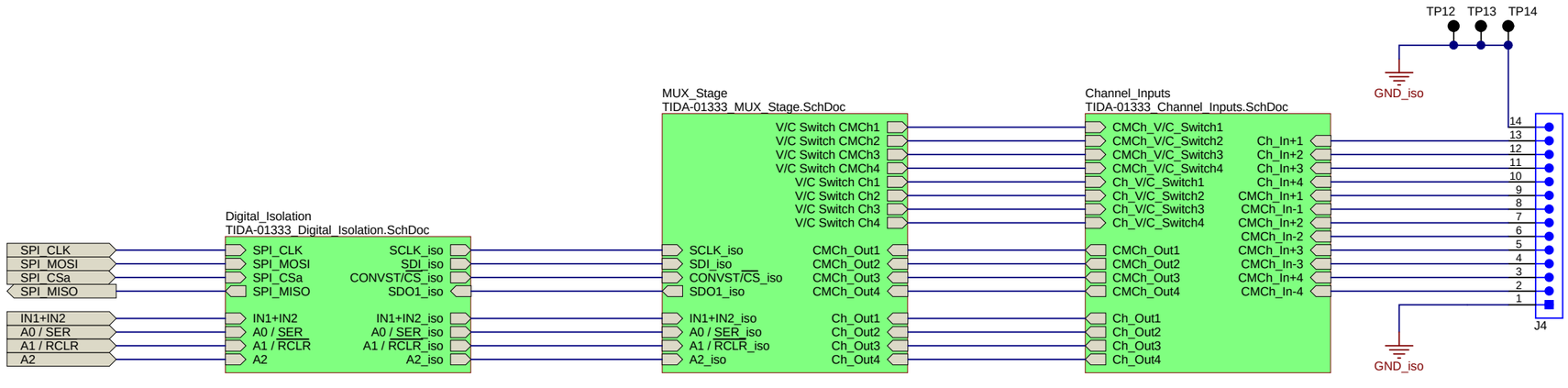
Number: TIDA-01333 Rev: E1	Sheet Title: Power Stage	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 4 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Power_Stage.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	



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Number: TIDA-01333 Rev: E1	Sheet Title: Signal Chain	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 5 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Signal_Chain.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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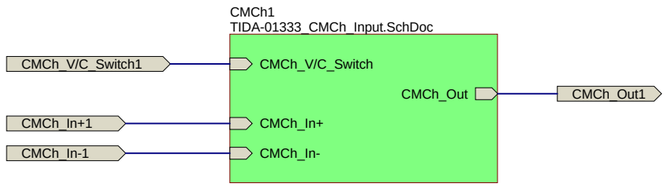
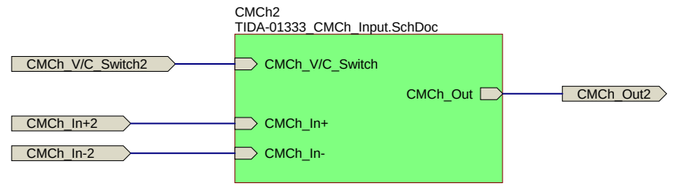
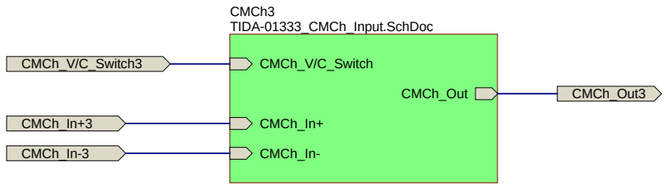
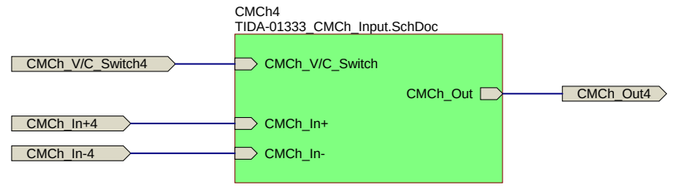
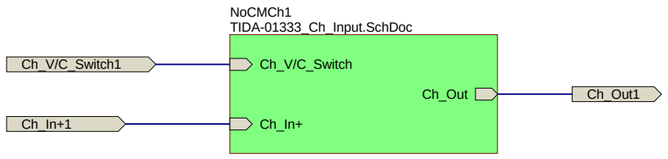


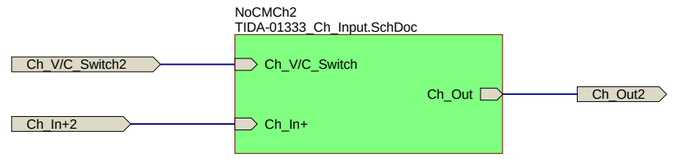


Channels with Common Mode

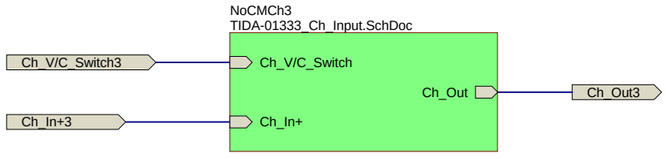


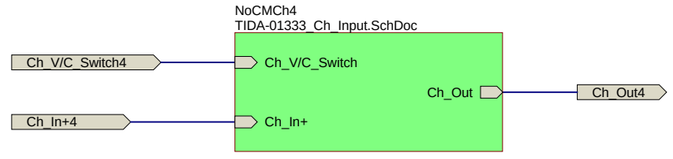






Channels without Common Mode





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TID #: TIDA-01333	Project Title: 8-ch Isolated High Voltage Analog Input Module with	
Number: TIDA-01333 Rev: E1	Sheet Title: Channel Inputs	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 6 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Channel_Inputs.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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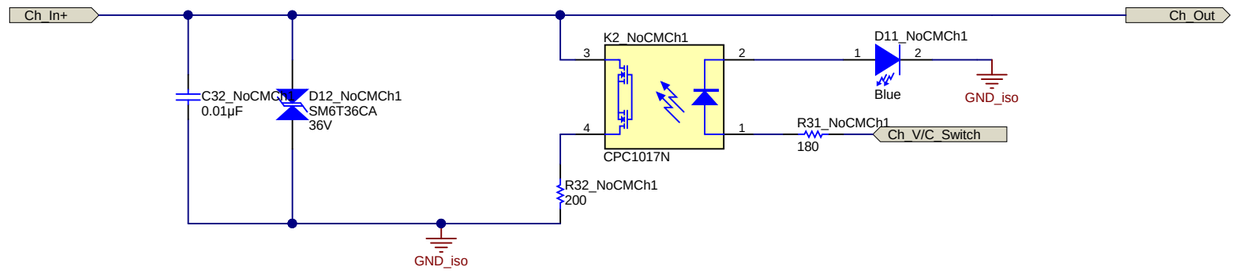

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Number: TIDA-01333 Rev: E1	Sheet Title: NoCM Ch Input	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 7 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Ch_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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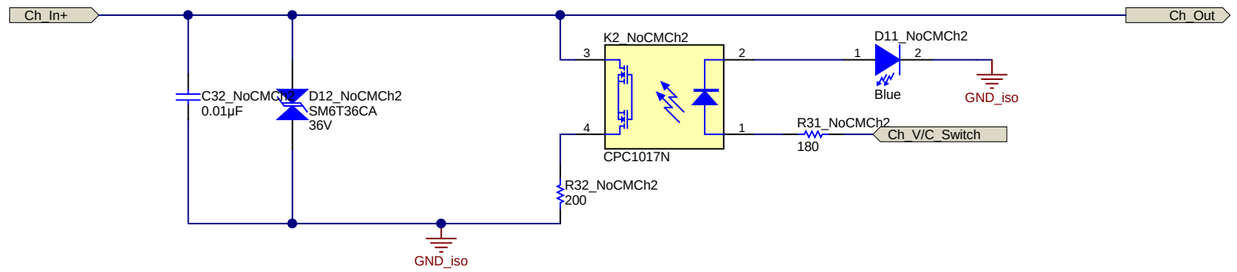

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Number: TIDA-01333 Rev: E1	Sheet Title: NoCM Ch Input	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 7 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Ch_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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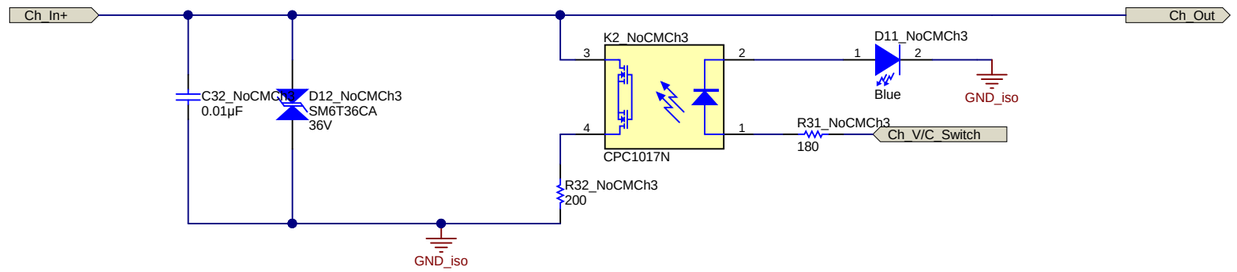

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Number: TIDA-01333 Rev: E1	Sheet Title: NoCM Ch Input	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 7 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Ch_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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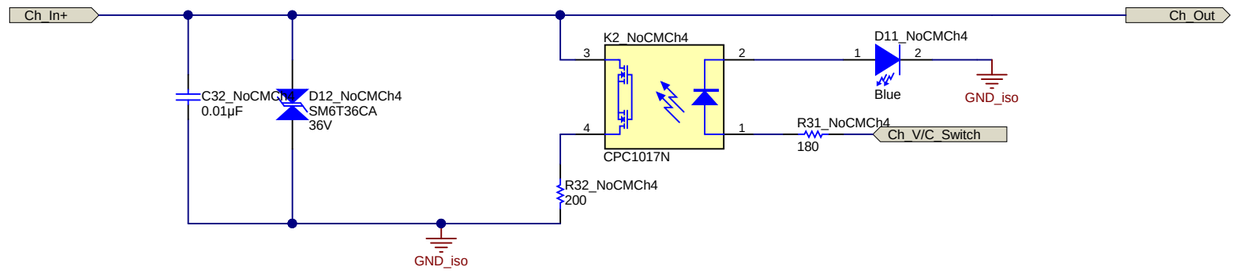

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Number: TIDA-01333 Rev: E1	Sheet Title: NoCM Ch Input	
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Drawn By: Tobias Puetz	File: TIDA-01333_Ch_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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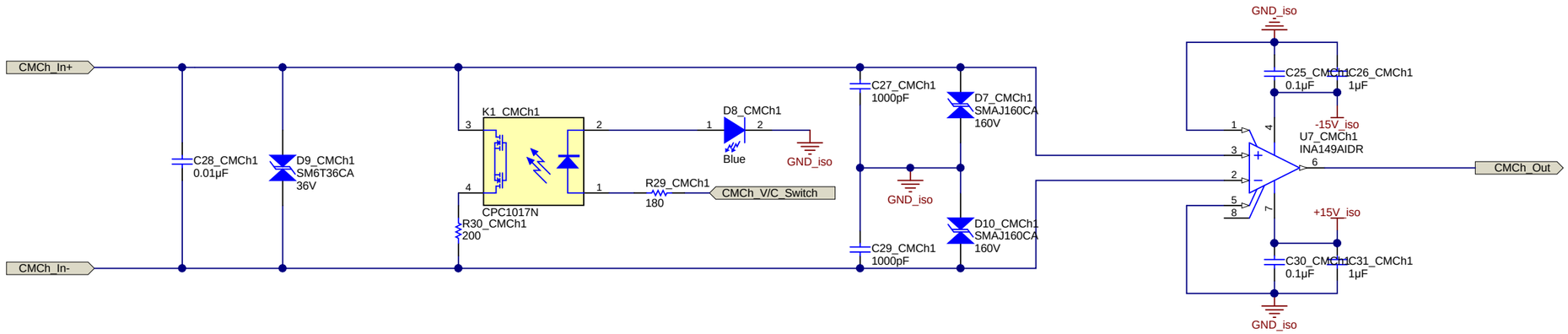

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Number: TIDA-01333 Rev: E1	Sheet Title: CM Ch Input	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 8 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_CMCh_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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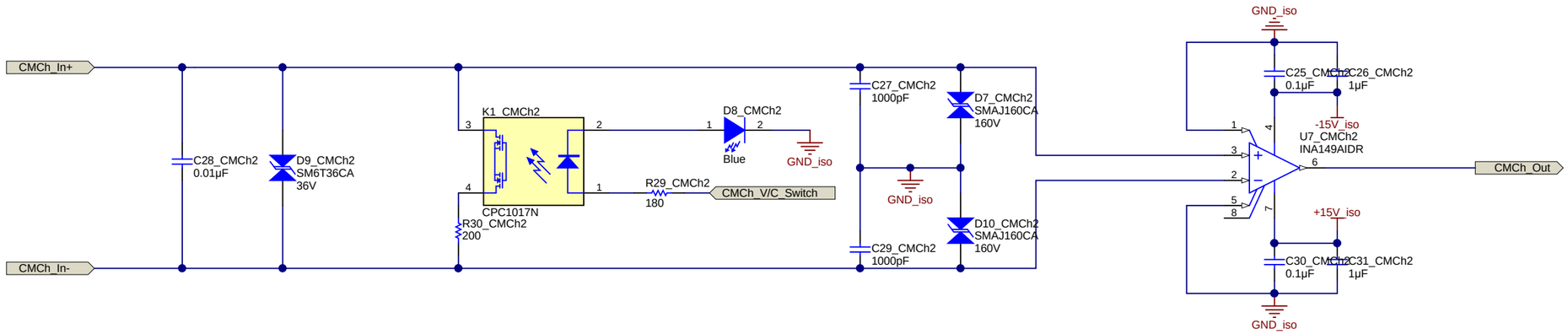

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SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 8 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_CMCh_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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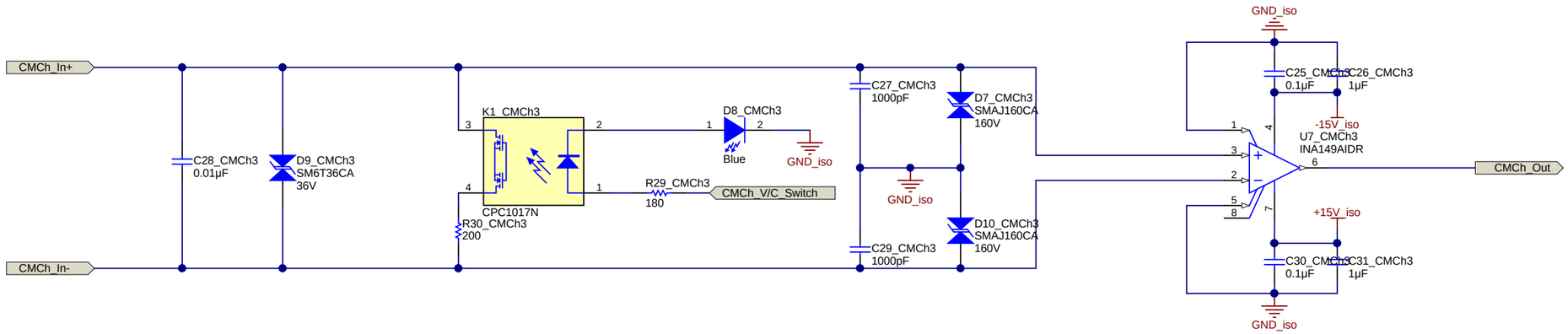

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Number: TIDA-01333 Rev: E1	Sheet Title: CM Ch Input	
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Drawn By: Tobias Puetz	File: TIDA-01333_CMCh_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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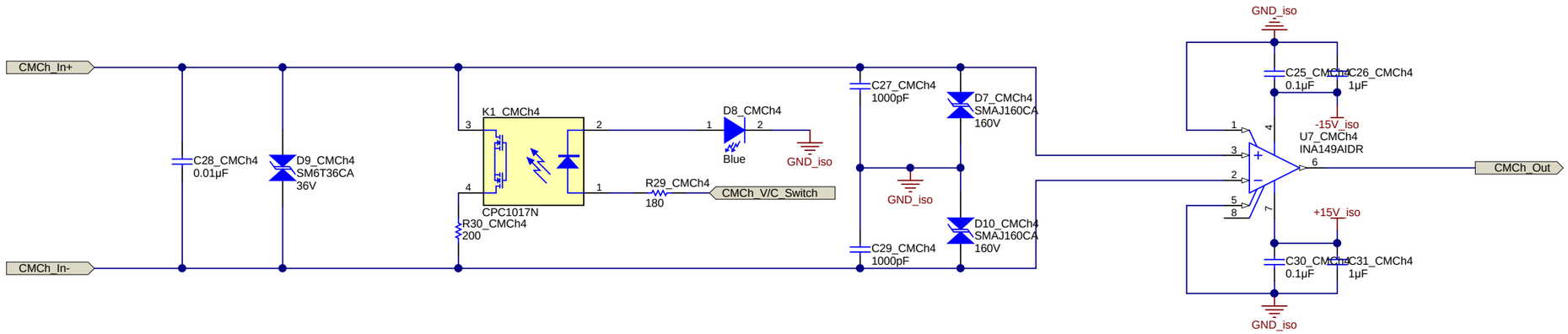

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SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 8 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_CMCh_Input.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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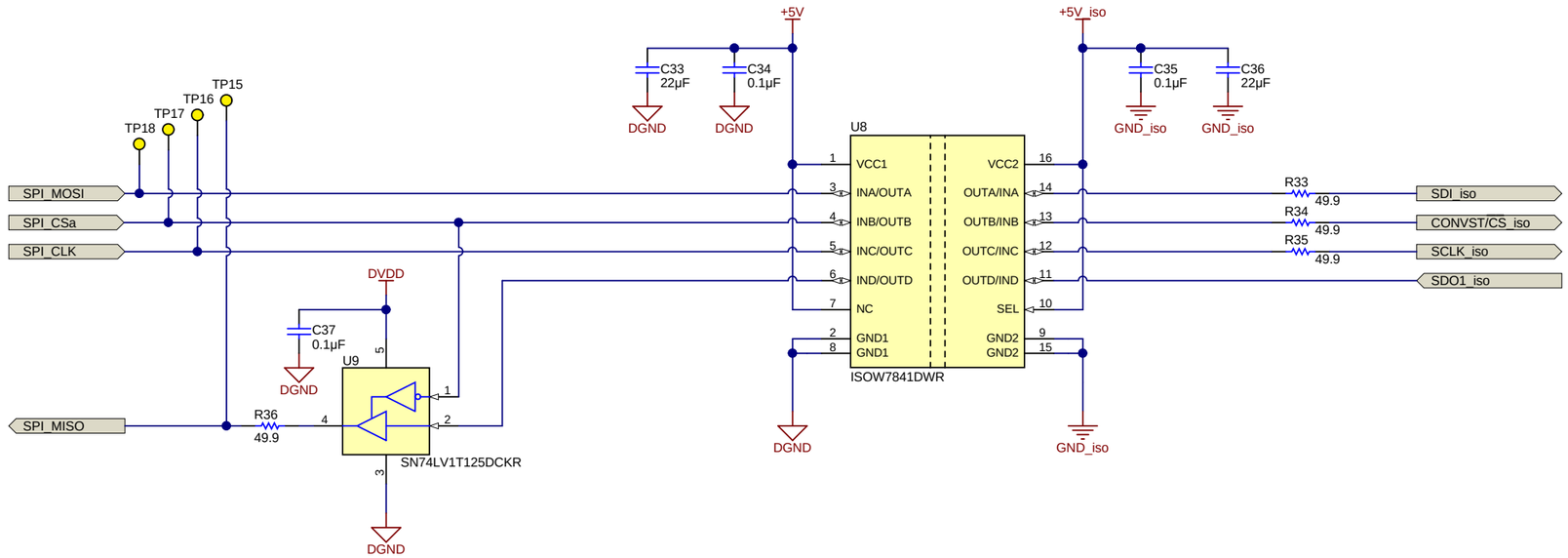

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SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 9 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_Digital_Isolation.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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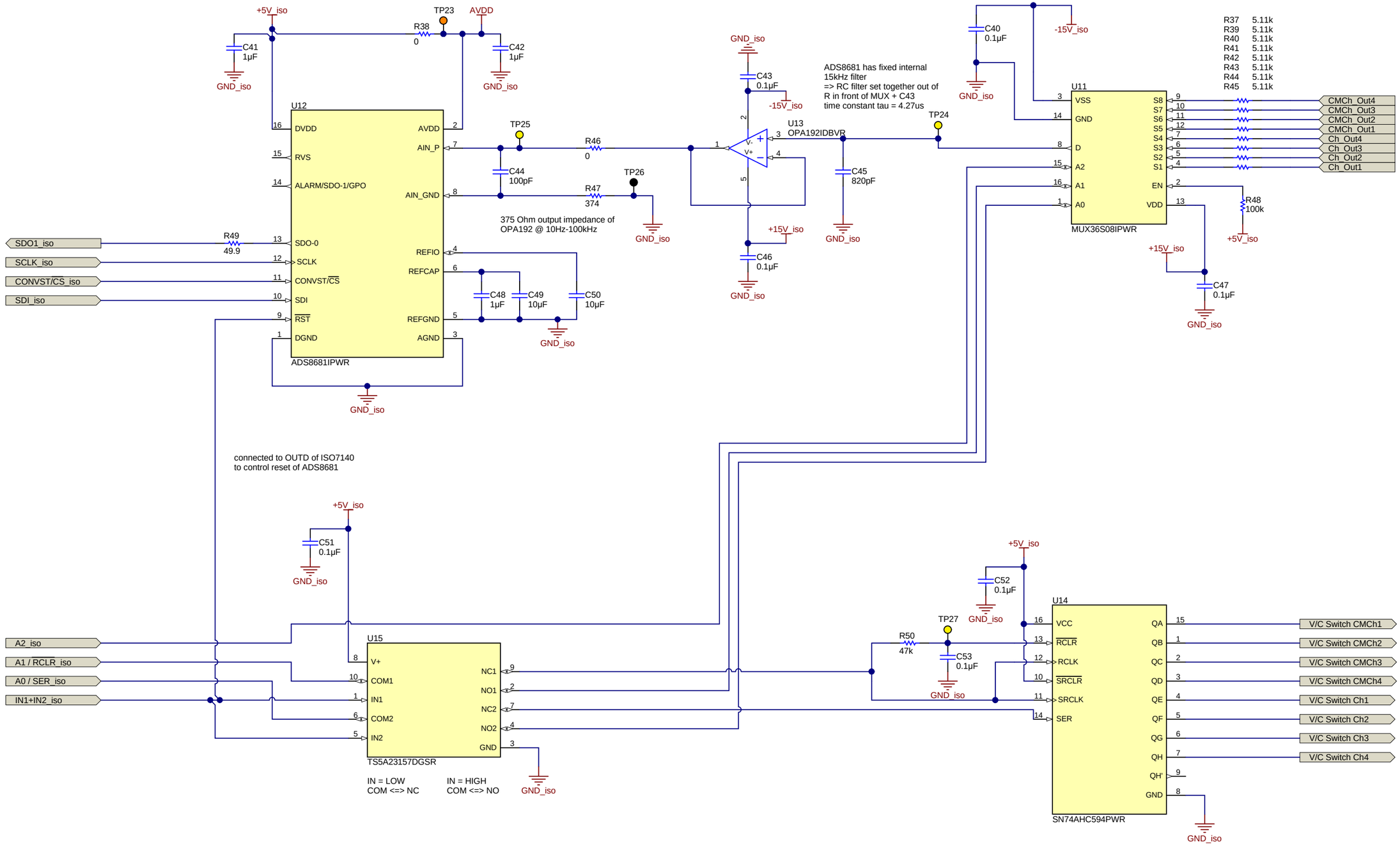

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Number: TIDA-01333 Rev: E1	Sheet Title:	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 10 of 10
Drawn By: Tobias Puetz	File: TIDA-01333_MUX_Stage.SchDoc	Size: B
Engineer: Tobias Puetz	Contact: http://www.ti.com/support	

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