

A

B

C

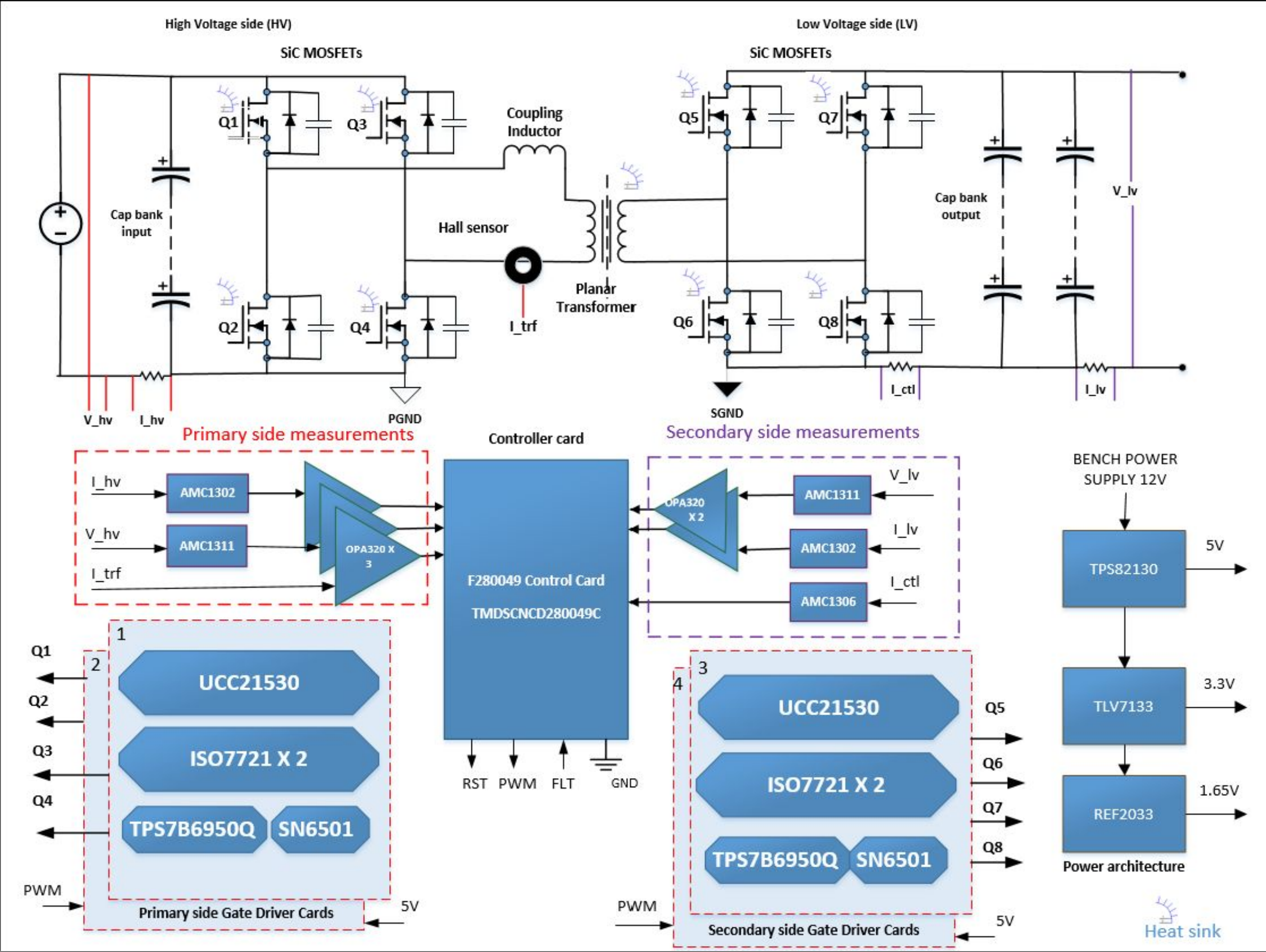
D

A

B

C

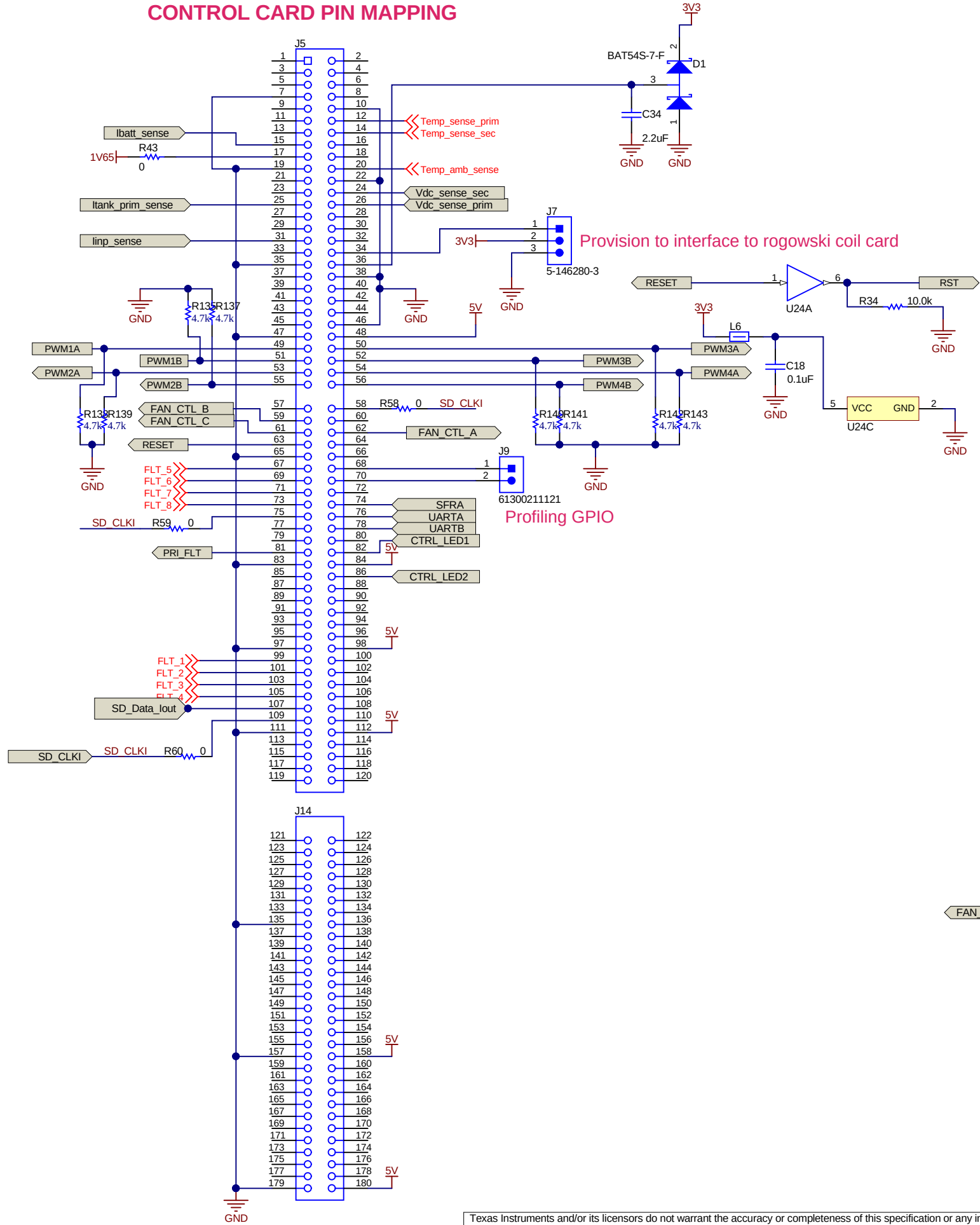
D



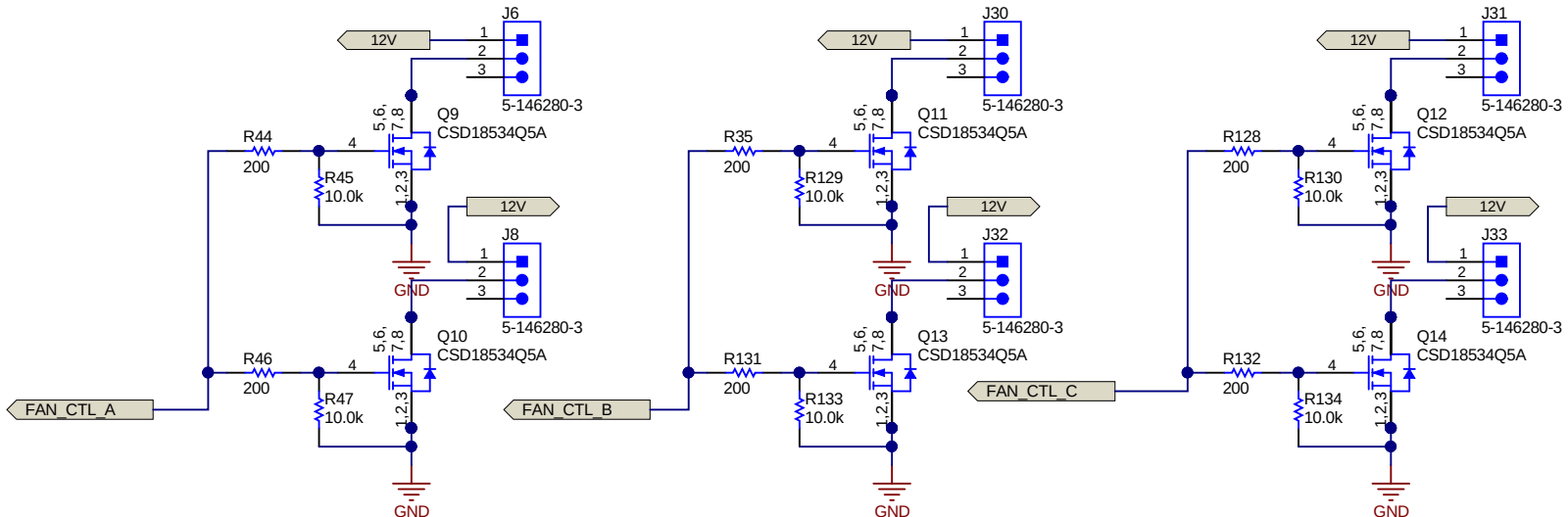
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

Orderable:	Designed for: Public Release	Mod. Date: 5/22/2020
TID #: 010054	Project Title: 10KW DC/DC CONVERTER	
Number: TIDA-DAB-010054	Rev: E2	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: DAB_PCB	Sheet: 1 of 7
Drawn By:	File: TIDA-DAB-010054-E2_Block Diagram.SchDoc	Size: B
Engineer: HARISH R	Contact: http://www.ti.com/support	

CONTROL CARD PIN MAPPING



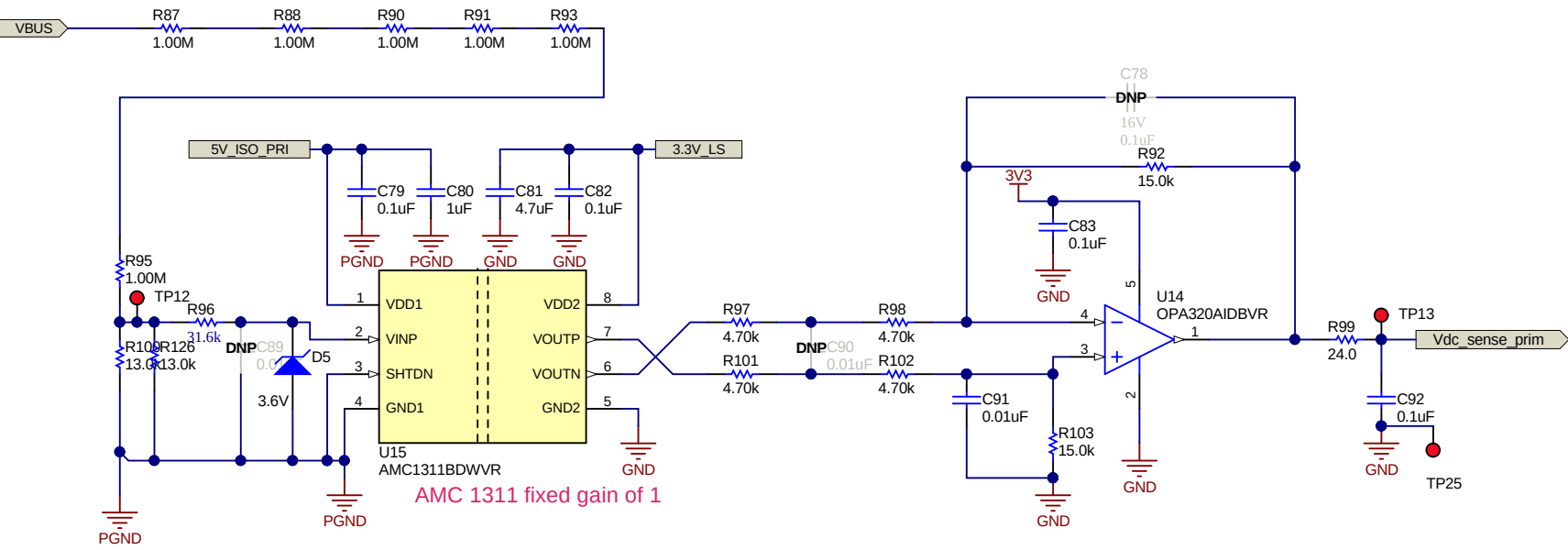
FAN CONTROL FOR COOLING



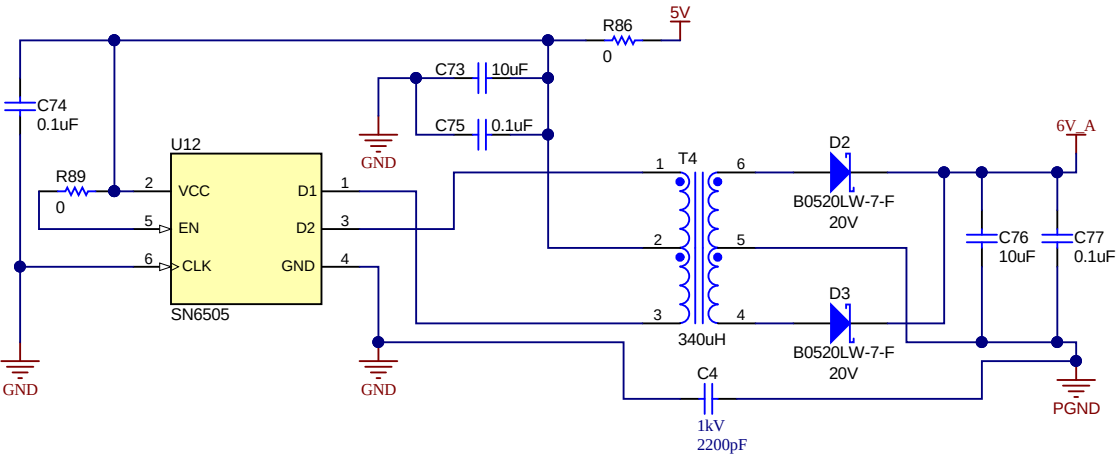
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

Orderable:	Designed for: Public Release	Mod. Date: 5/21/2020
TID #: 010054	Project Title: 10kW DC:DC CONVERTER	
Number: TIDA-DAB-010054	Rev: E2	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: DAB_PCB	Sheet: 3 of 7
Drawn By:	File: TIDA-DAB-010054-E2_Control Card.SchDoc	Size: B
Engineer: HARISH R	Contact: http://www.ti.com/support	

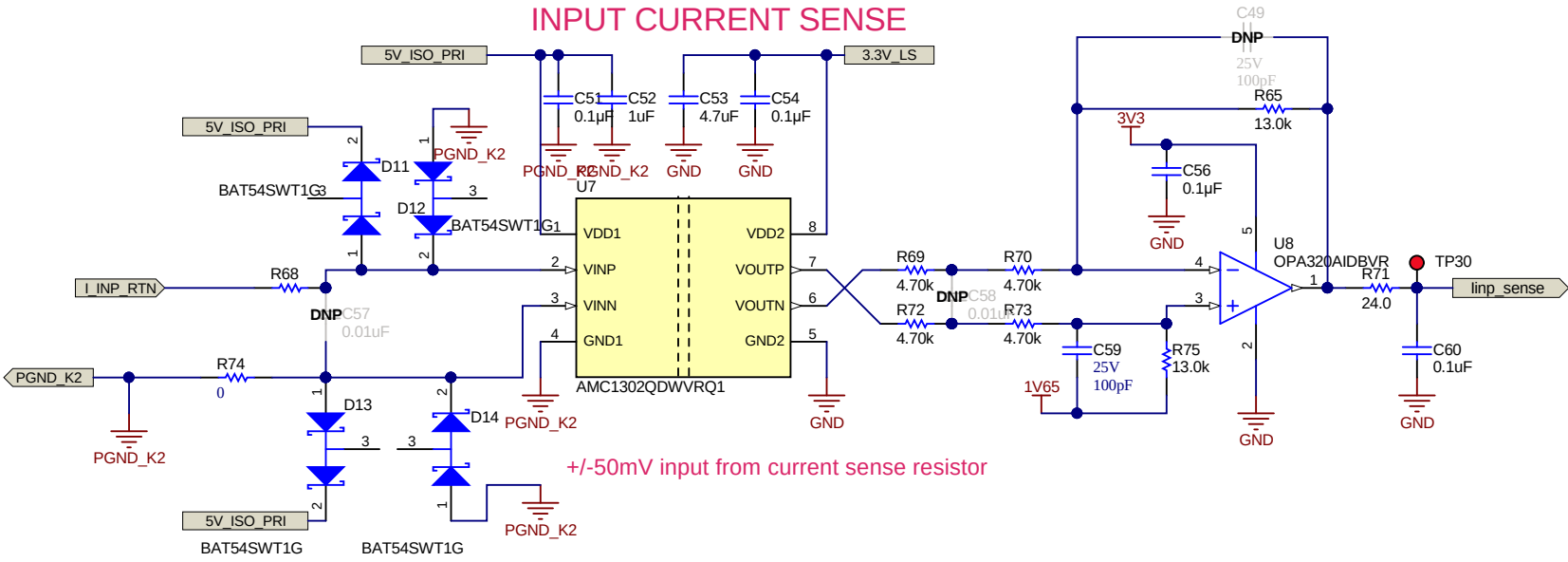
DC INPUT VOLTAGE SENSING



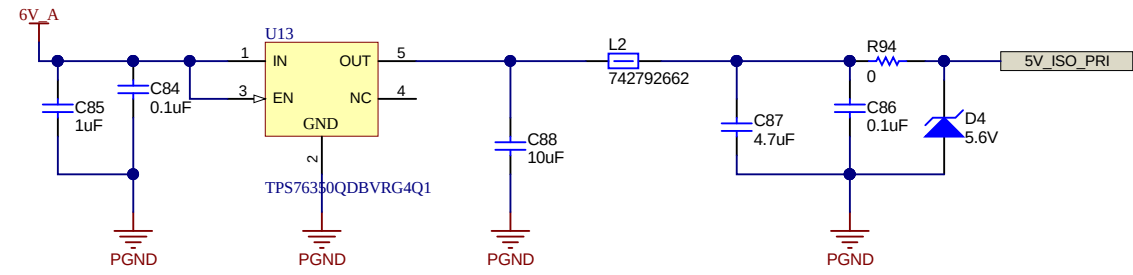
ISOLATED SUPPLY FOR AMPLIFIERS



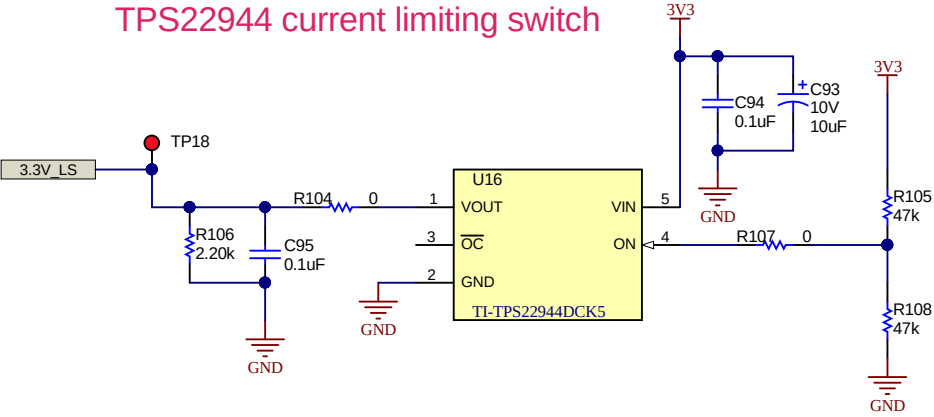
INPUT CURRENT SENSE



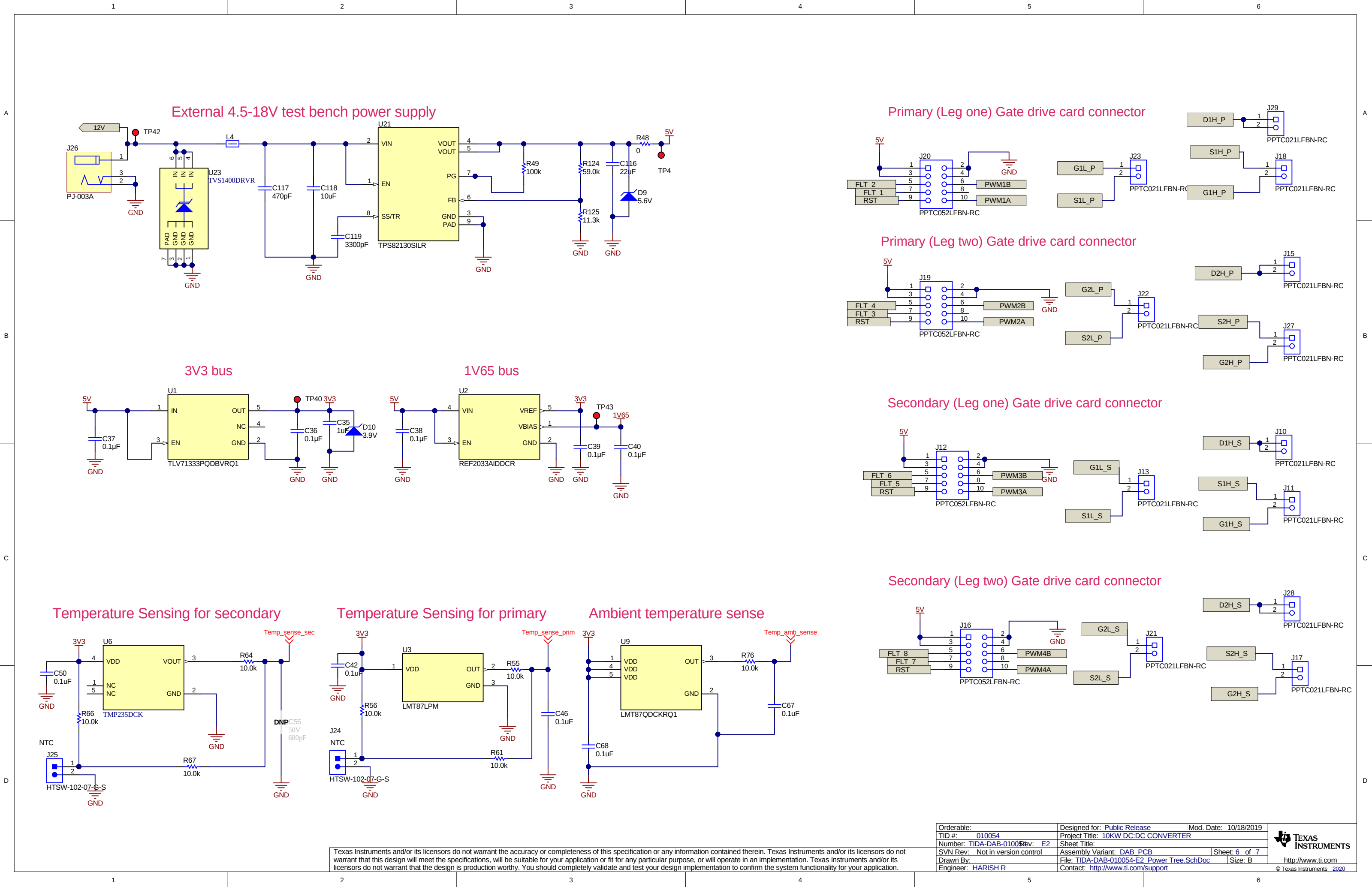
Isolation between GND and PGND



TPS22944 current limiting switch



Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.



Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

Orderable:	Designed for: Public Release	Mod. Date: 10/18/2019
TID #: 010054	Project Title: 10KW DC:DC CONVERTER	
Number: TIDA-DAB-010054 Rev: E2	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: DAB PCB	Sheet: 6 of 7
Drawn By:	File: TIDA-DAB-010054-E2 Power Tree.SchDoc	Size: B
Engineer: HARISH R	Contact: http://www.ti.com/support	

