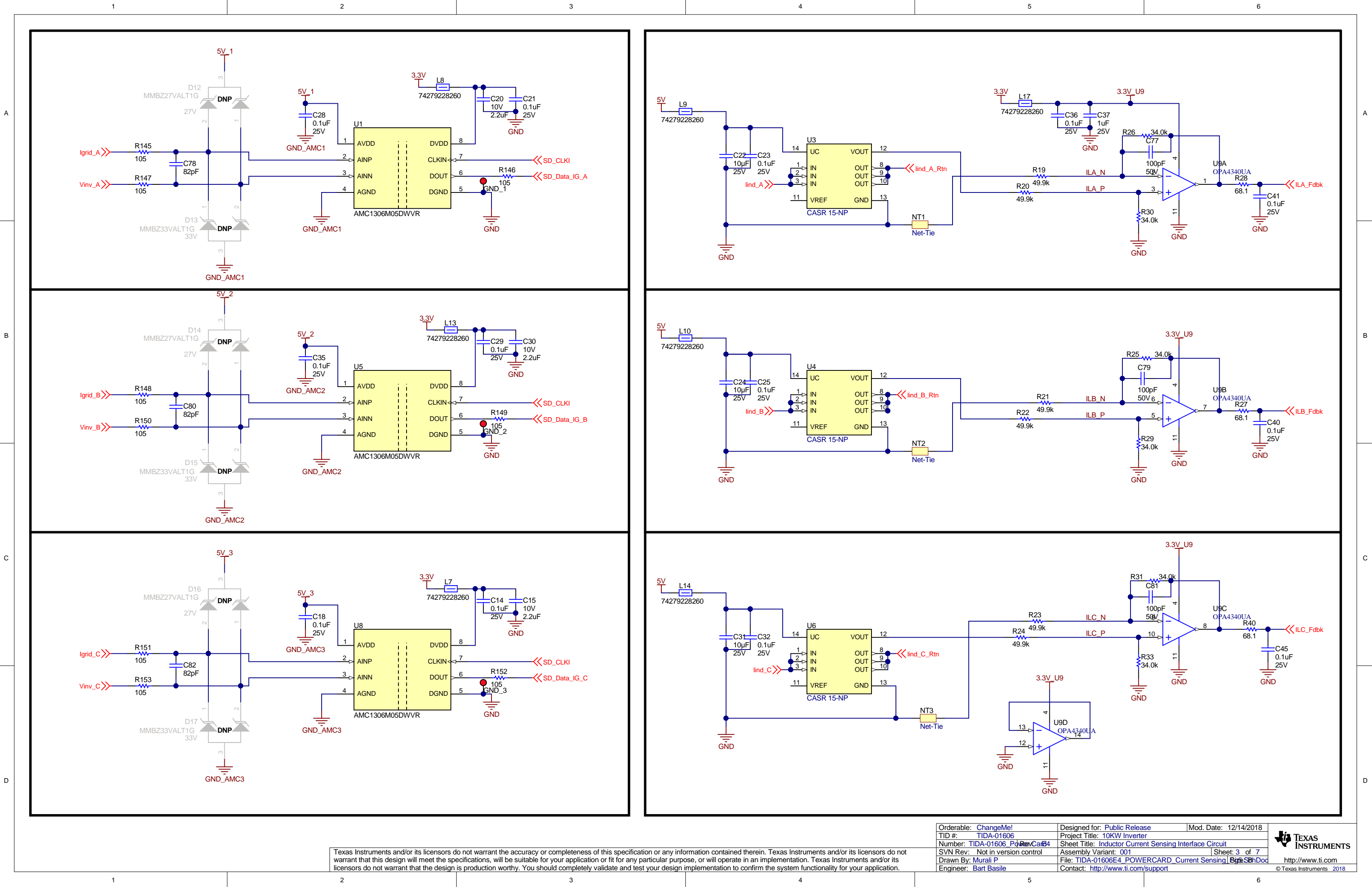


Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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: ChangeMe!	Designed for: Public Release	Mod. Date: 12/13/2018
TID #: TIDA-01606	Project Title: 10KW Inverter	
Number: TIDA-01606 Power Card B4	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 2 of 7
Drawn By: Murali P	File: TIDA-01606E4 POWERCARD Power Stage Pg 2 of 4	
Engineer: Bart Basile	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	

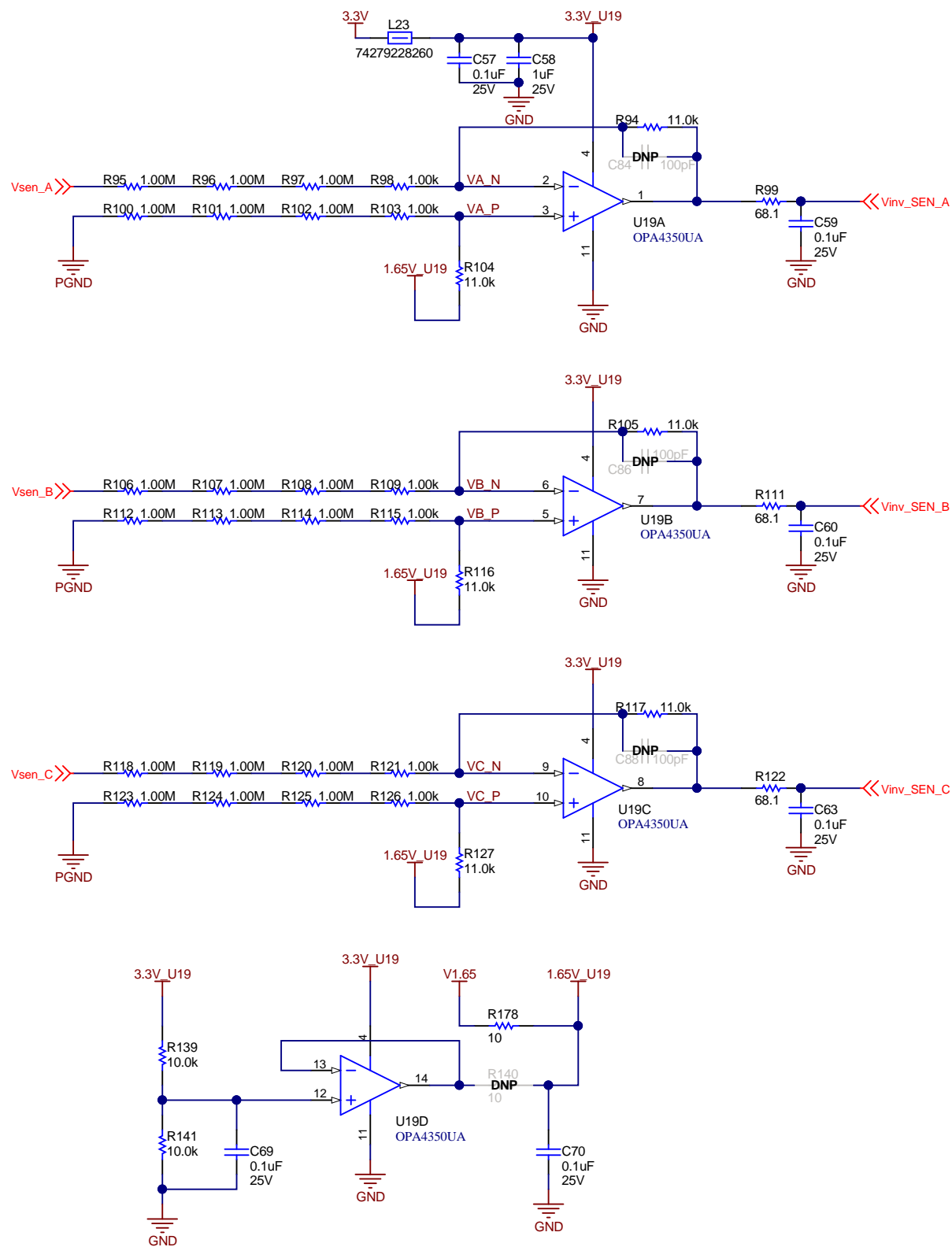




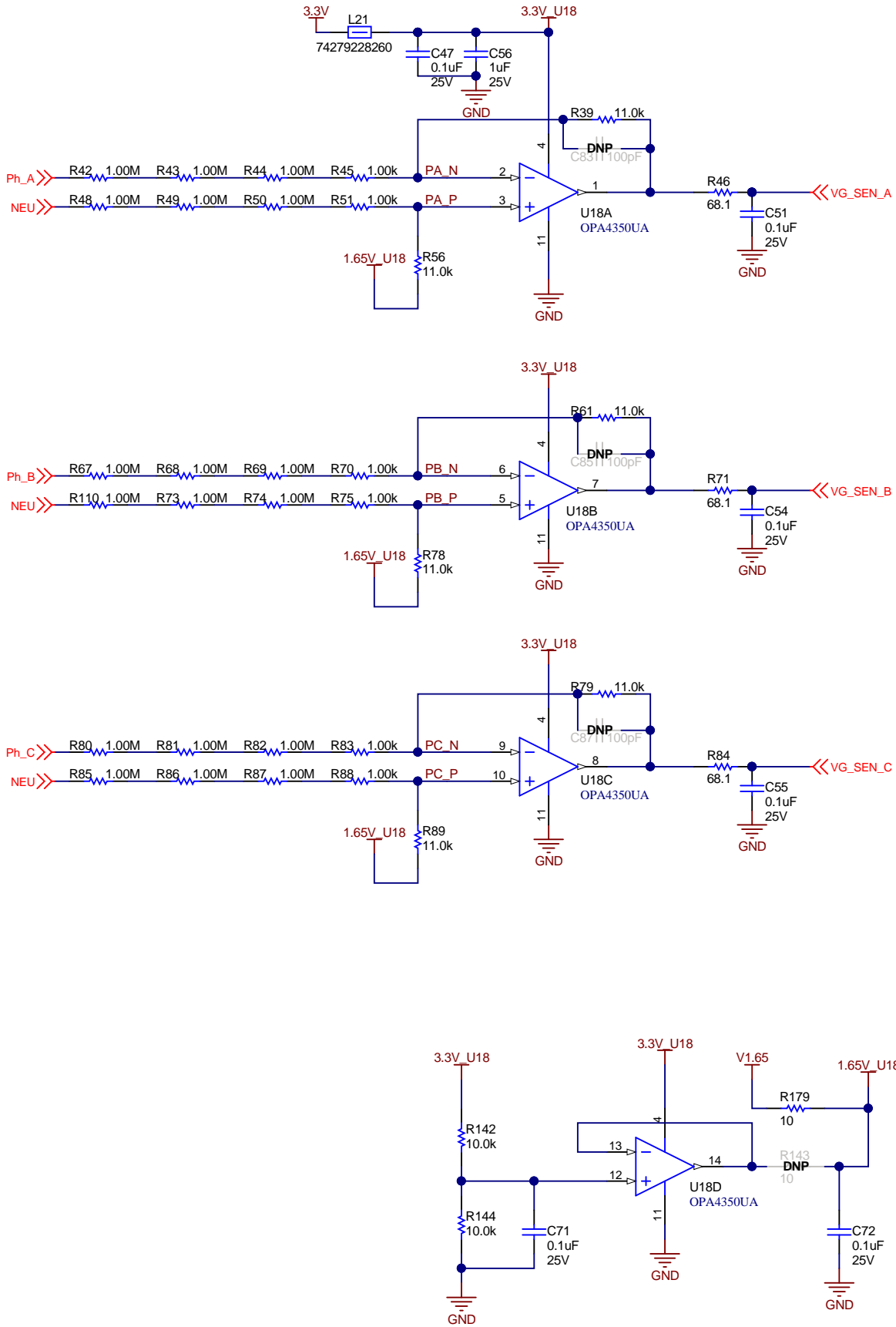
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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: <a href="#">ChangeMe!</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 12/14/2018
TID #: <a href="#">TIDA-01606</a>	Project Title: <a href="#">10KW Inverter</a>	
Number: <a href="#">TIDA-01606_PowerCardB4</a>	Sheet Title: <a href="#">Inductor Current Sensing Interface Circuit</a>	
SVN Rev: <a href="#">Not in version control</a>	Assembly Variant: <a href="#">001</a>	Sheet: <a href="#">3 of 7</a>
Drawn By: <a href="#">Murali P</a>	File: <a href="#">TIDA-01606E4_POWERCARD_Current Sensing Interface</a>	
Engineer: <a href="#">Bart Basile</a>	Contact: <a href="#">http://www.ti.com/support</a>	

INVERTER OUTPUT VOLTAGE SENSING

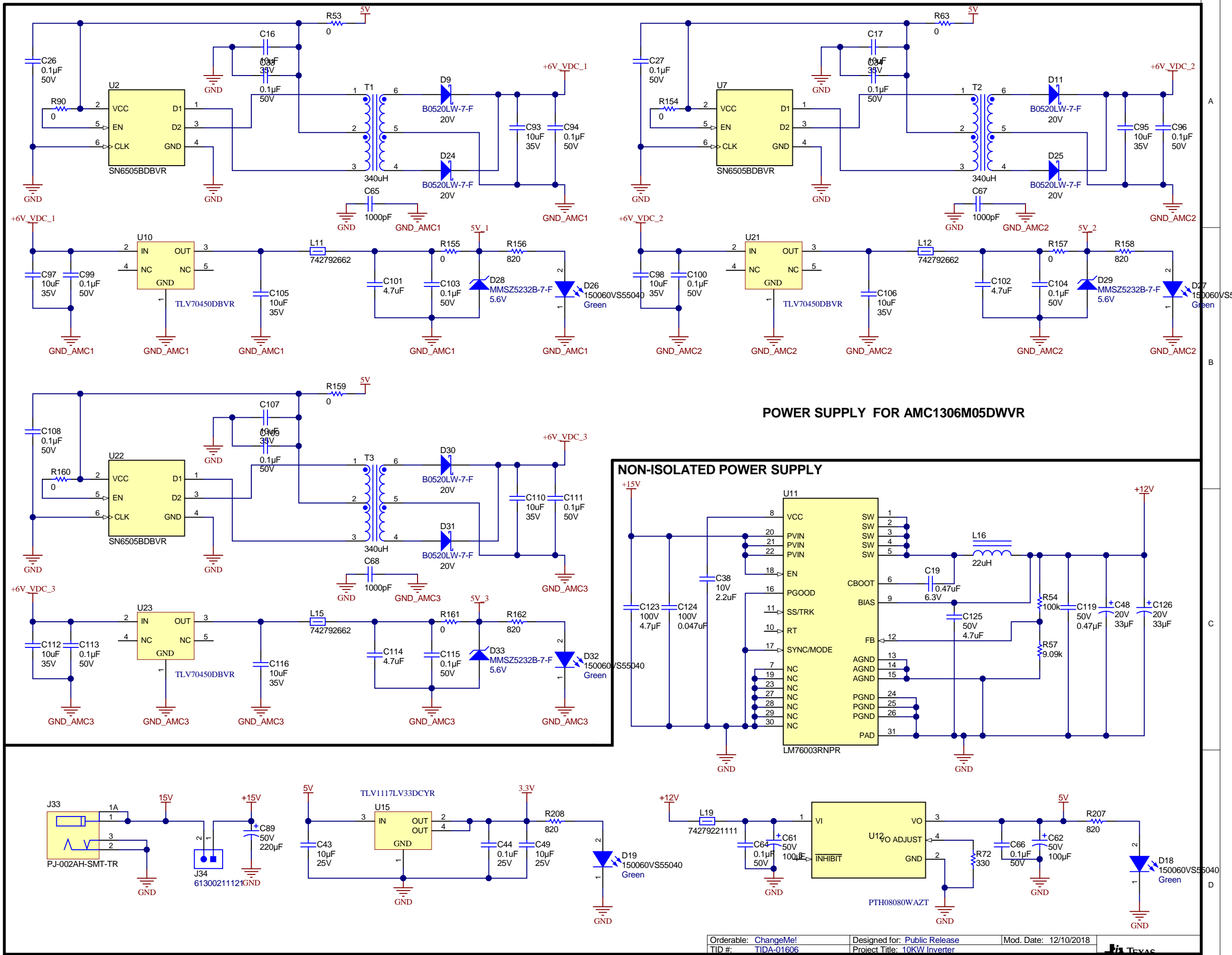
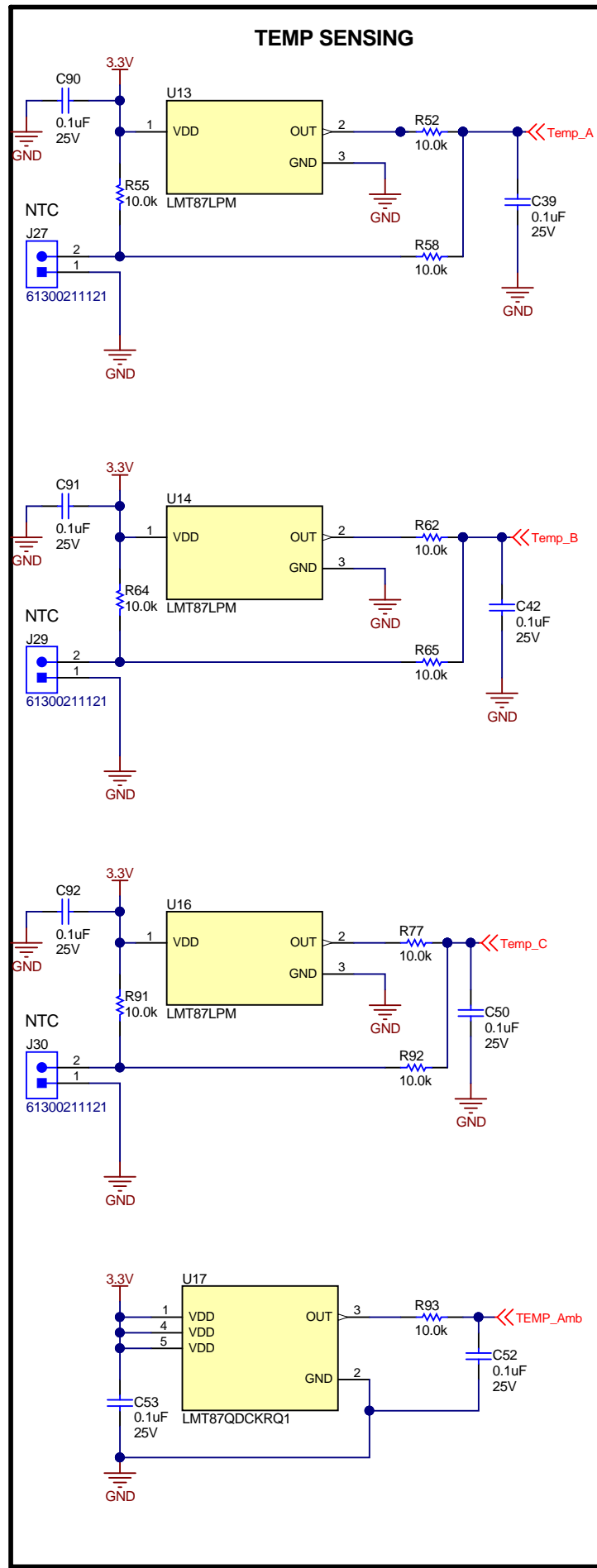


GRID VOLTAGE SENSING

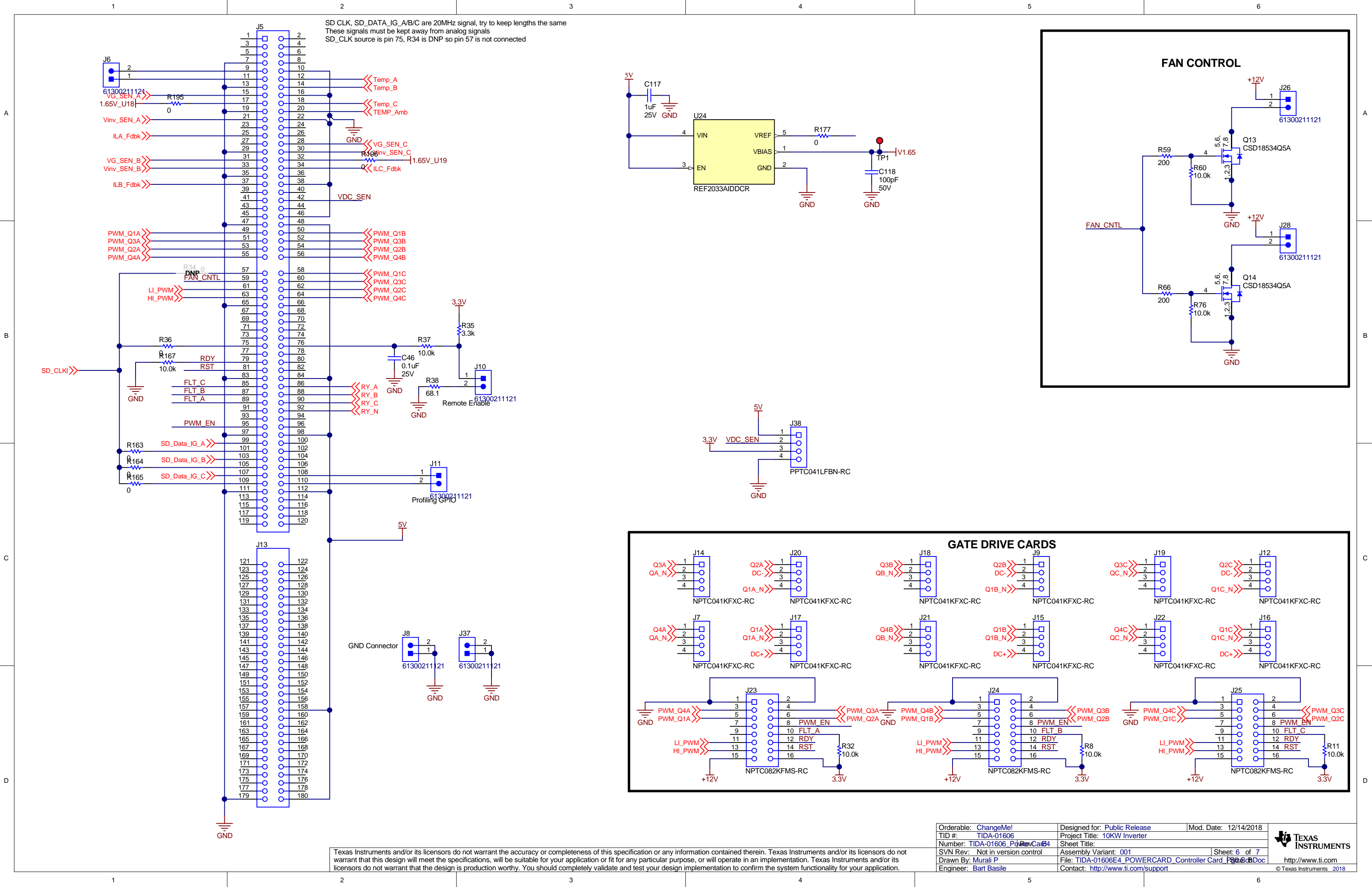


Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular 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.

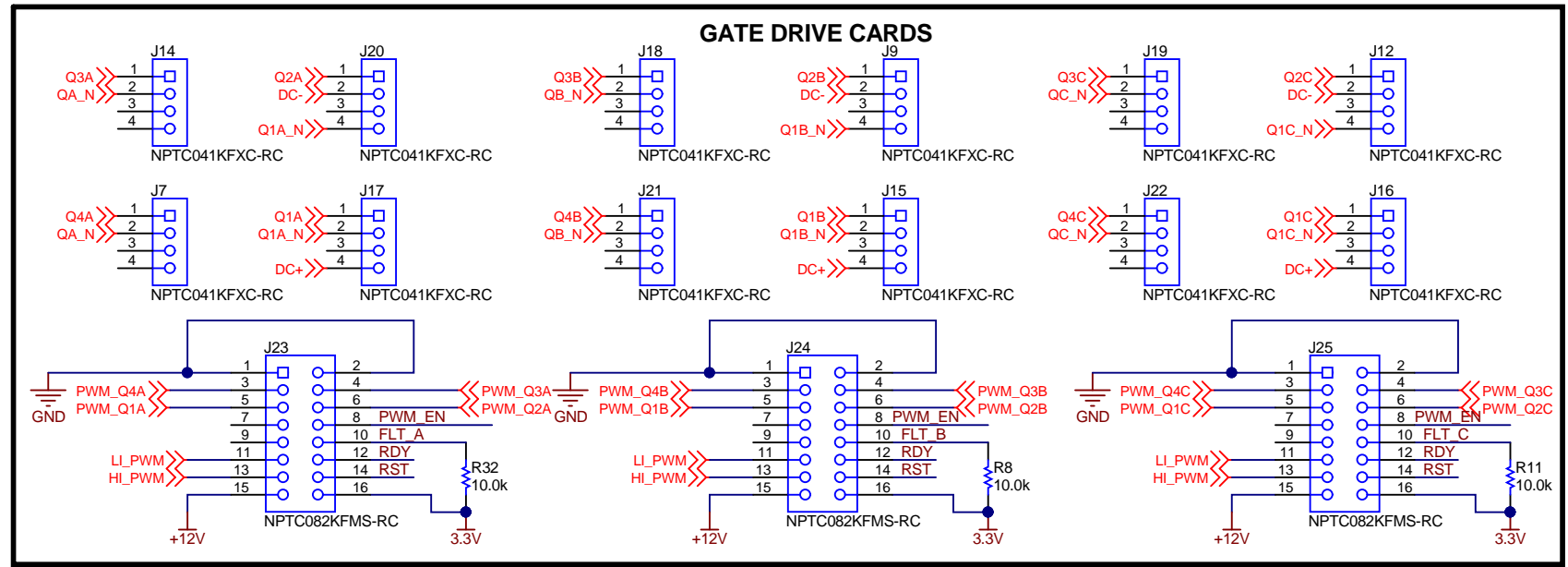
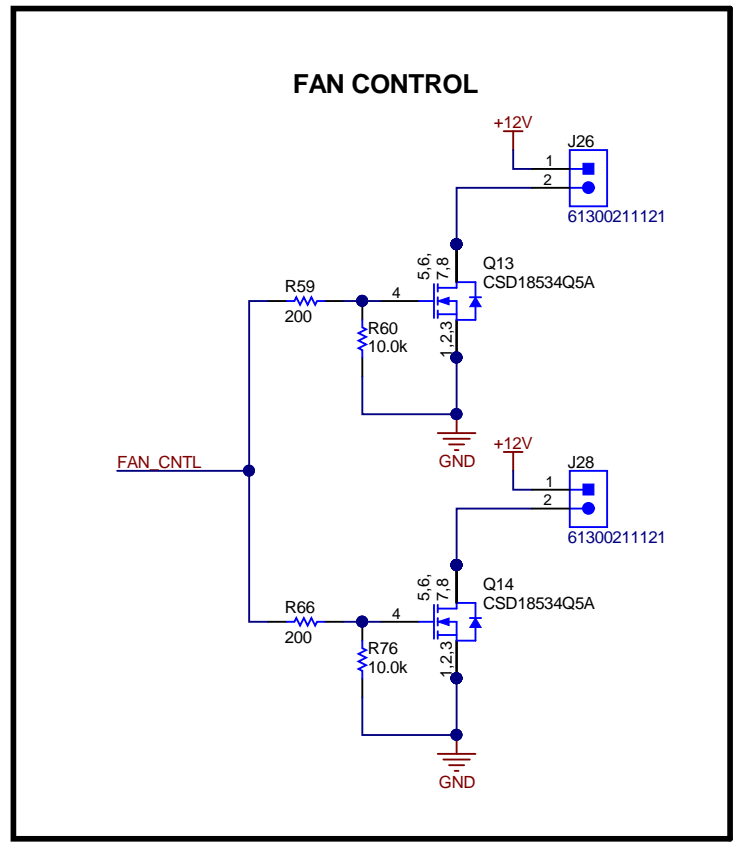
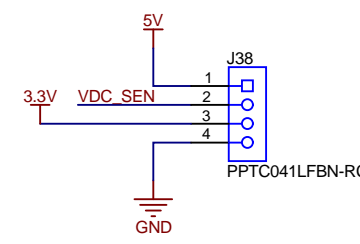
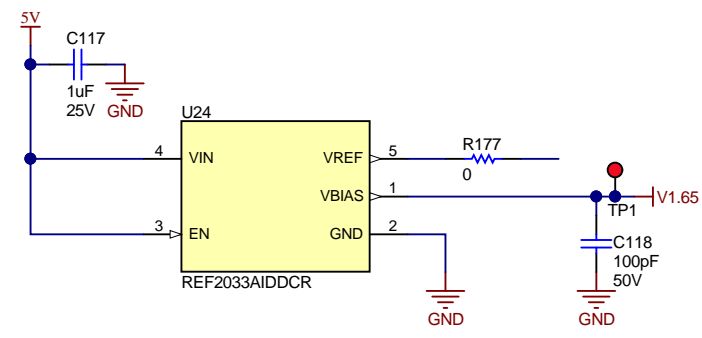
Orderable: <a href="#">ChangeMe!</a>	Designed for: <a href="#">Public Release</a>	Mod. Date: 12/13/2018
TID #: <a href="#">TIDA-01606</a>	Project Title: <a href="#">10KW Inverter</a>	
Number: <a href="#">TIDA-01606_PowerCard4</a>	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: <a href="#">001</a>	Sheet: <a href="#">4</a> of <a href="#">7</a>
Drawn By: <a href="#">Murali P</a>	File: <a href="#">TIDA-01606E4_POWERCARD_Voltage Sensing_PwrCard4</a>	
Engineer: <a href="#">Bart Basile</a>	Contact: <a href="#">http://www.ti.com/support</a>	







SD\_CLK, SD\_DATA\_IG\_A/B/C are 20MHz signal, try to keep lengths the same  
These signals must be kept away from analog signals  
SD\_CLK source is pin 75, R34 is DNP so pin 57 is not connected



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.

