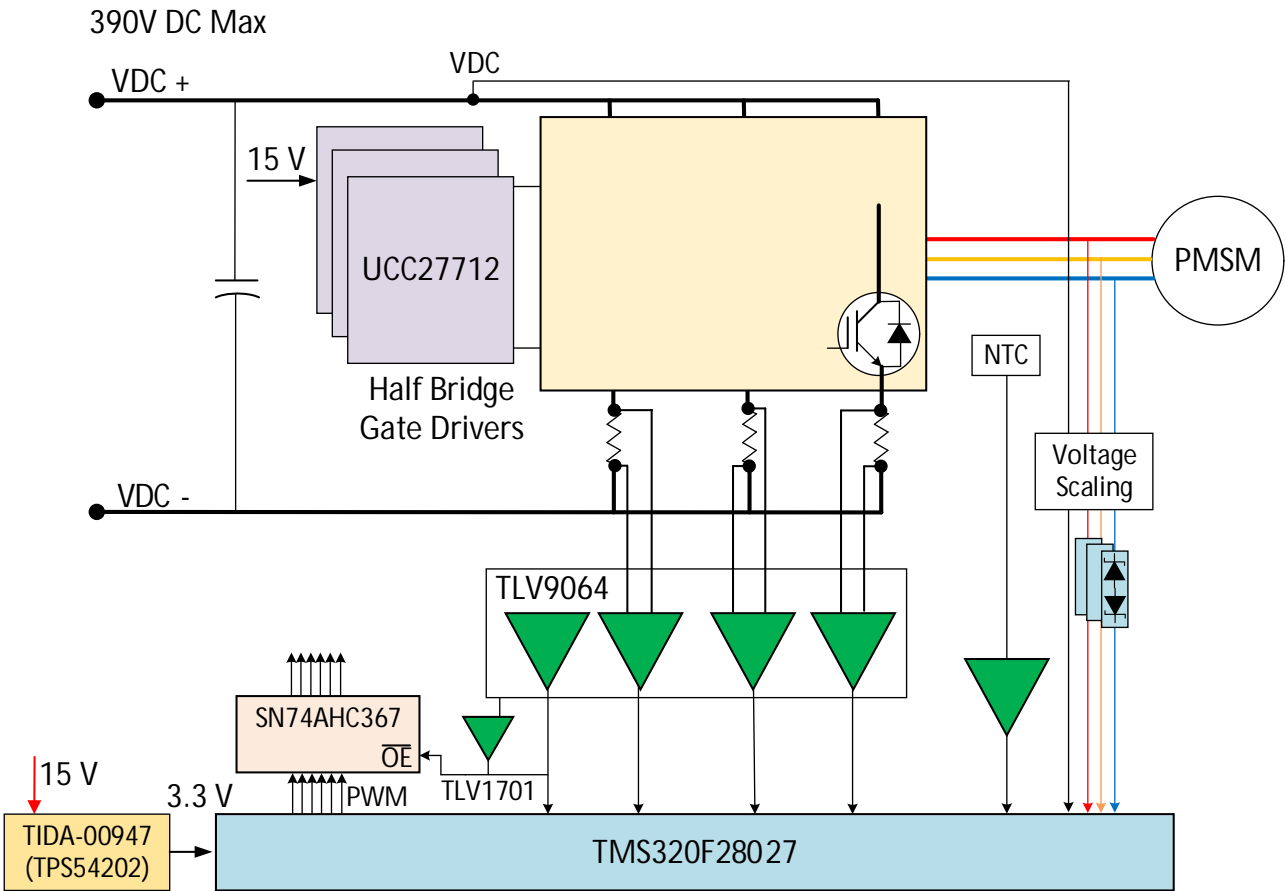


Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
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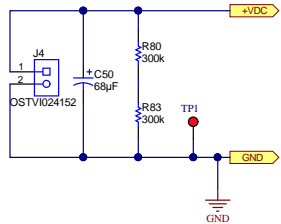


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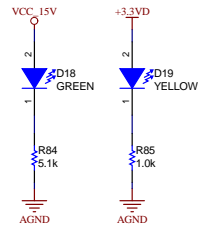
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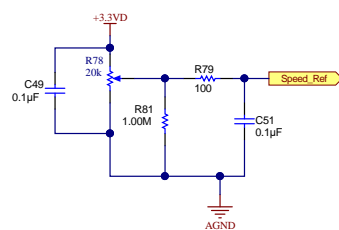
DC Voltage Input



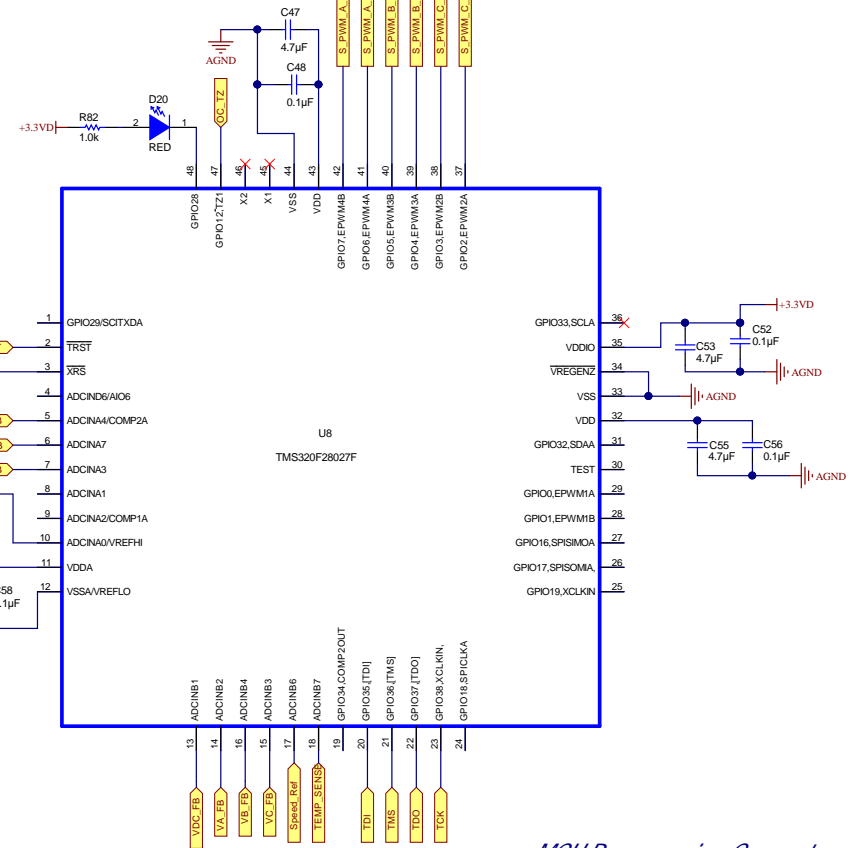
LED Indications



Speed Reference POT

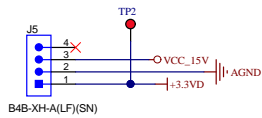


MCU schematic and peripheral connections

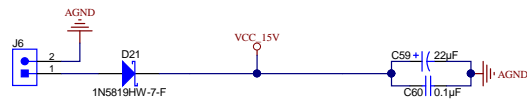


External Bias power supply connection and TIDA-00947

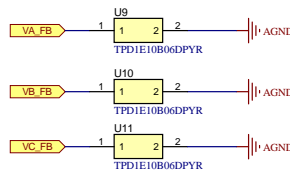
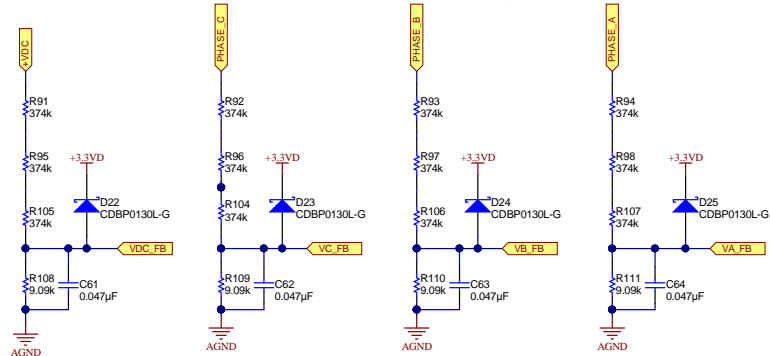
3.3V DC/DC (TIDA-00947)



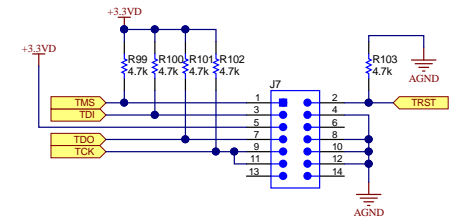
Bias Power Supply Input



DC bus and winding voltage sensing



MCU Programming Connector

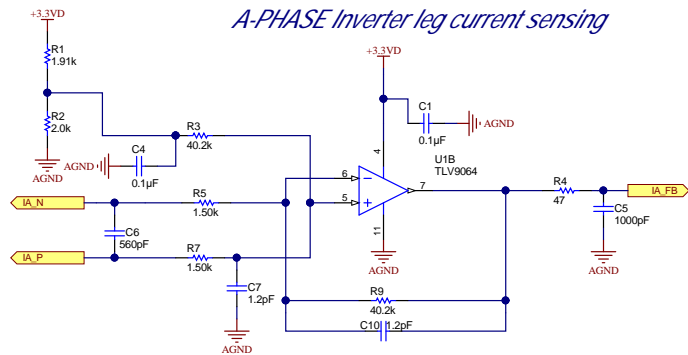


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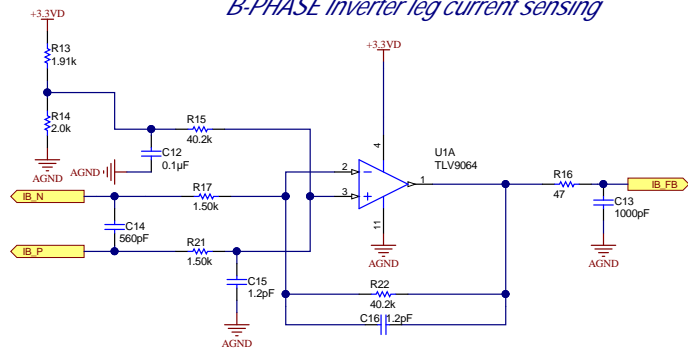
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Drawn By:	File: TIDA-010023 MCU SchDoc	
Engineer: Enter name of project lead	Contact: http://www.ti.com/support	

Current Sensing for 2-shunt or 3-Shunt FOC

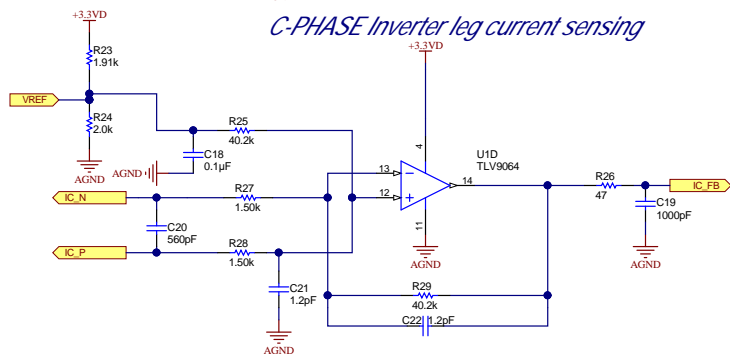
A-PHASE Inverter leg current sensing



B-PHASE Inverter leg current sensing

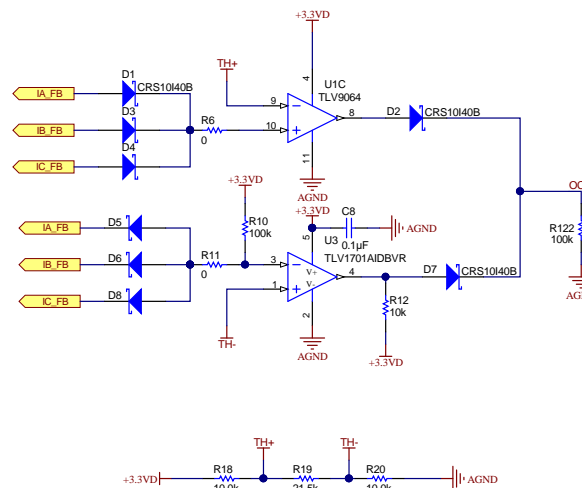


C-PHASE Inverter leg current sensing



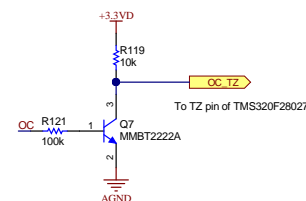
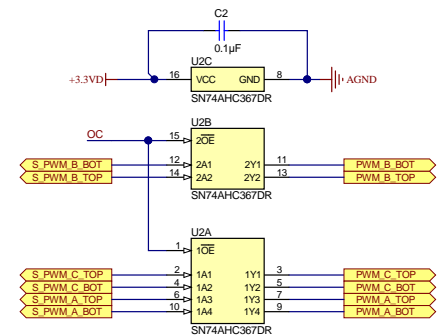
Over Current Protection Circuit

Window Comparator OCP Circuit



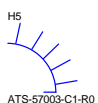
Hardware Over Current Protection Circuit

Hardware OCP Circuit



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Drawn By:	File: TIDA-010023_Current_Sensing_SchDoc	Size: B
Engineer: Enter name of project lead	Contact: http://www.ti.com/support	



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ZZ4
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

Orderable: <u>EVM_orderable</u>	Designed for: <u>Public Release</u>	[Mod. Date: 9/18/2018]	 TEXAS INSTRUMENTS
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Drawn By: _____	Contact: <u>TIDA-010023 EVM Hardware SchDoc</u>	Size: <u>B</u>	
Engineer: <u>Enter name of project lead</u>	File: <u>http://www.ti.com/support</u>		http://www.ti.com © Texas Instruments 2017