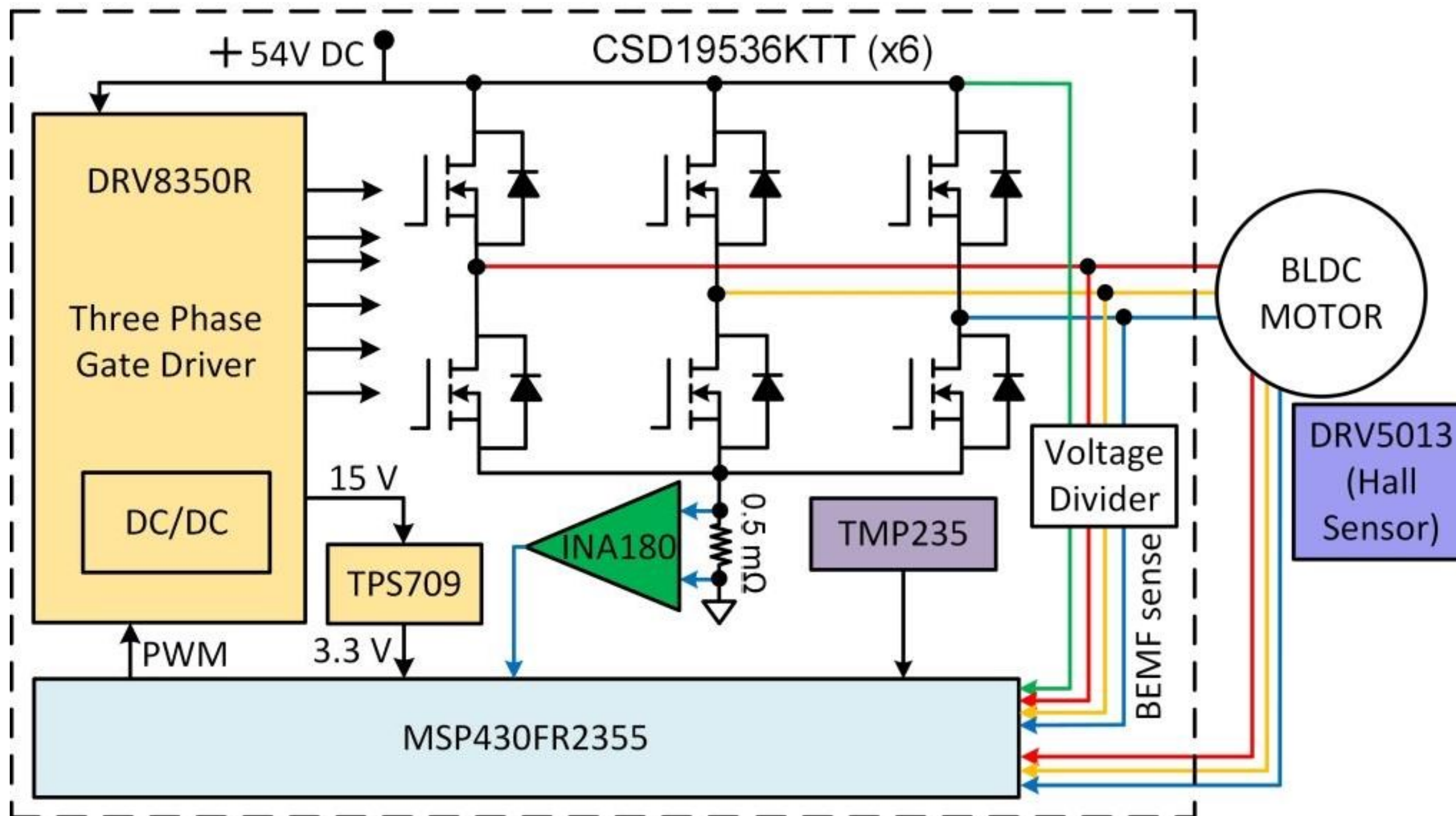


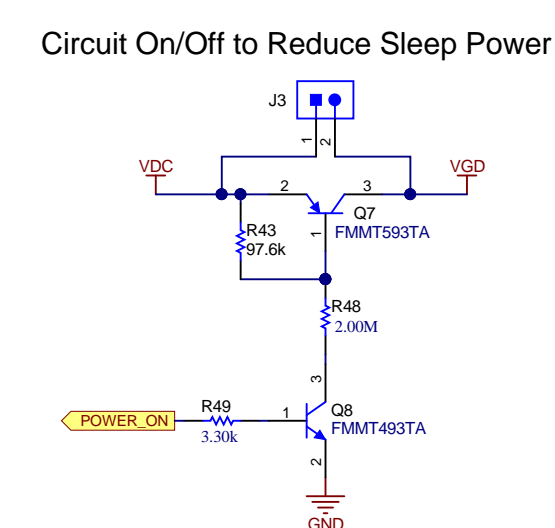
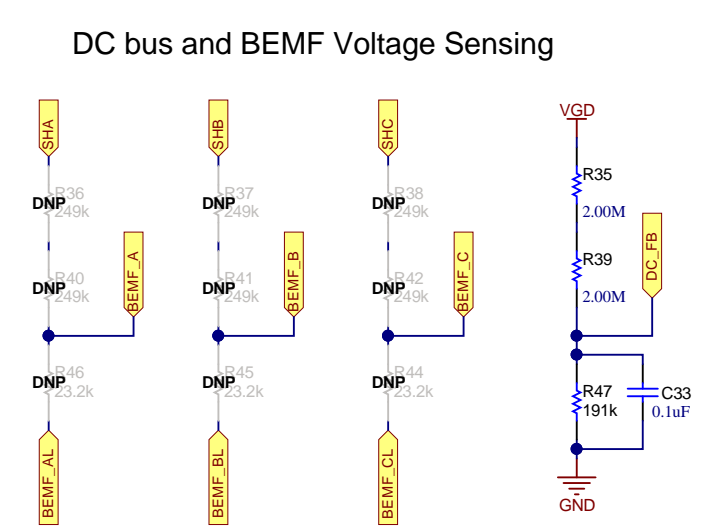
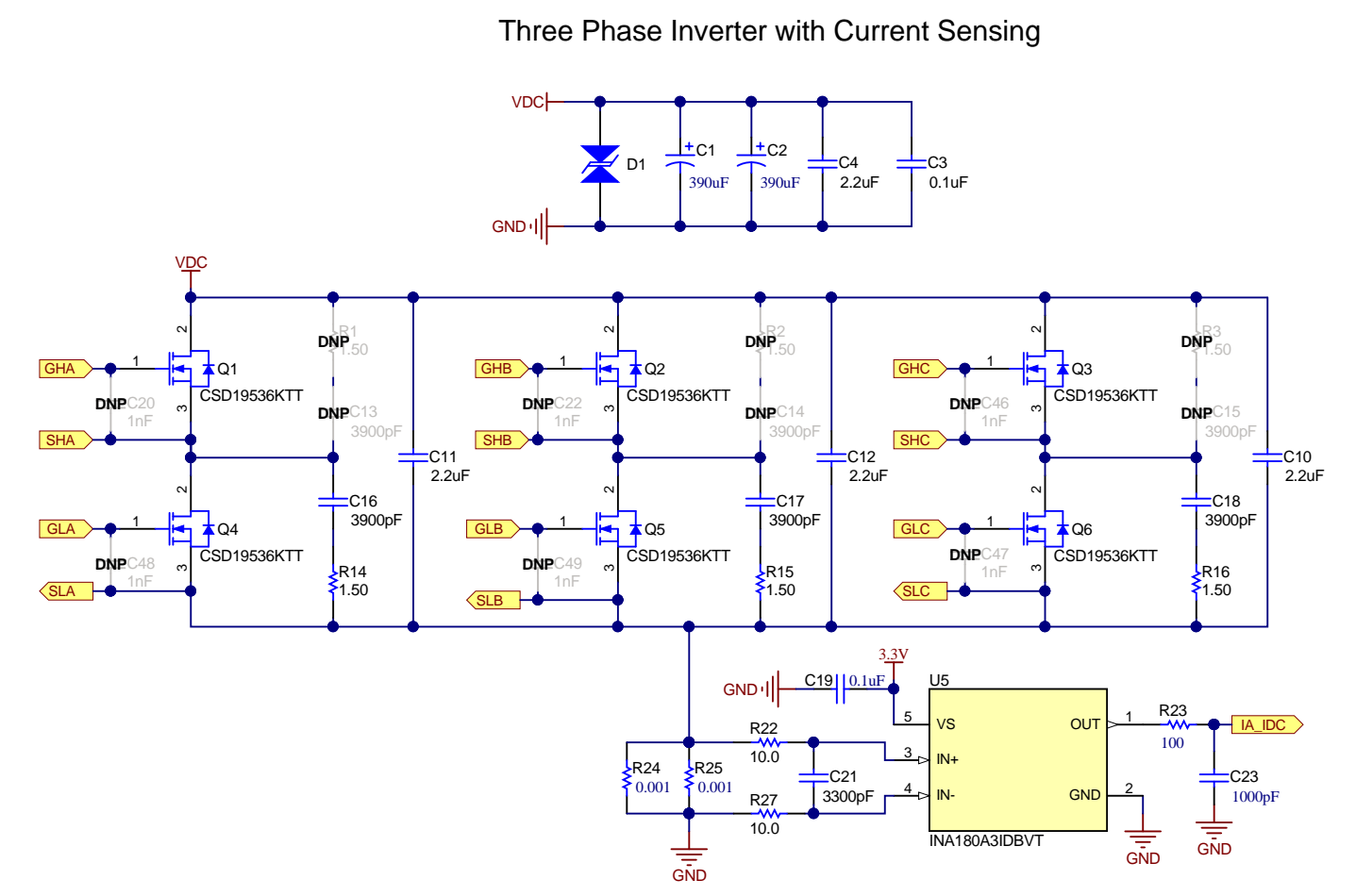
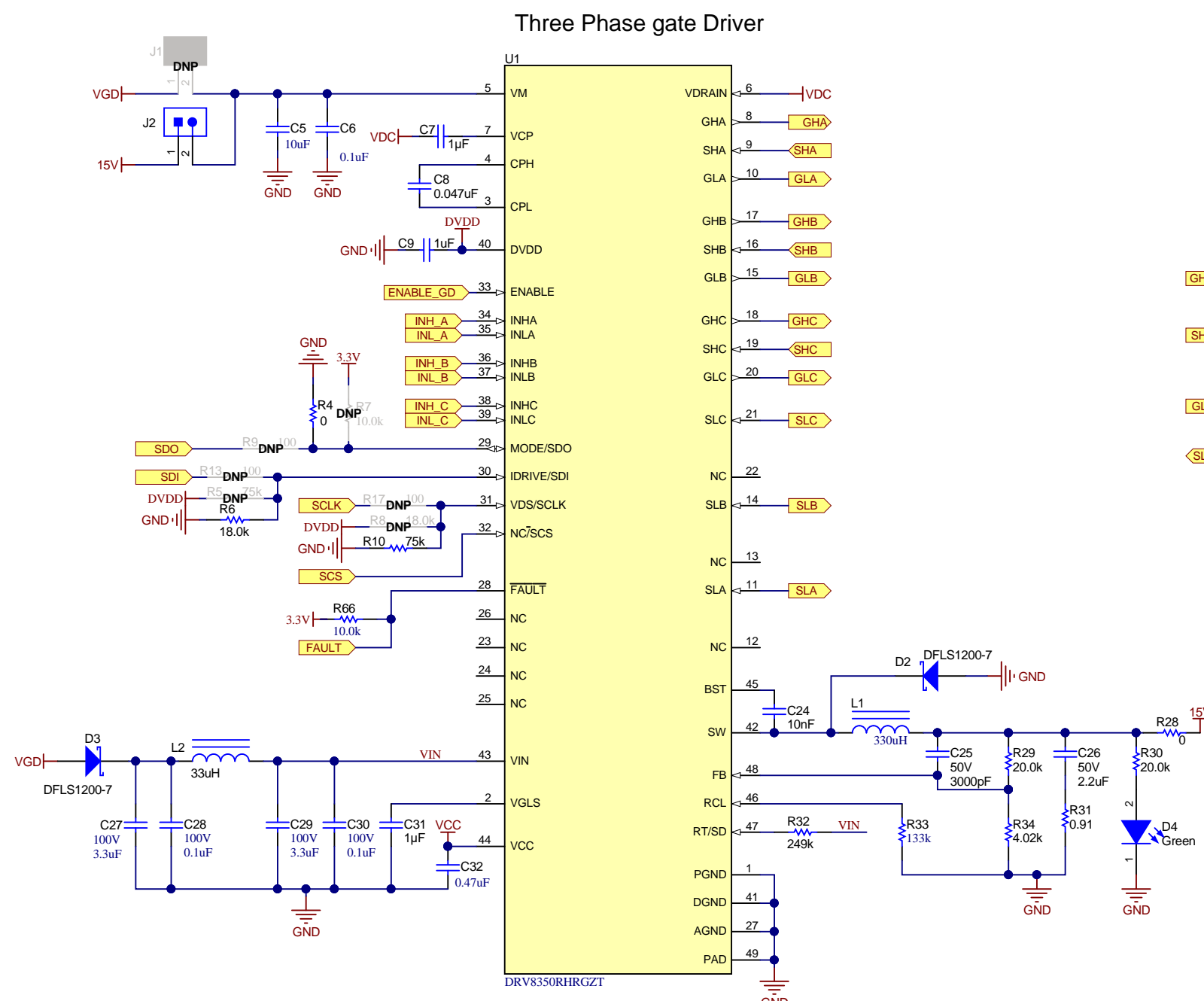
TIDA-010056



Orderable: N/A	Designed for: Public Release	Mod. Date: 5/28/2019
TID #: 010056	Project Title: 54V, 1.5kW, 3-Phase BLDC Drive Power stage	
Number: TIDA-010056	Rev: E2	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 1 of 5
Drawn By: Manu	File: TIDA-010056_coversheet.SchDoc	Size: B
Engineer: Manu Balakrishnan	Contact: http://www.ti.com/support	

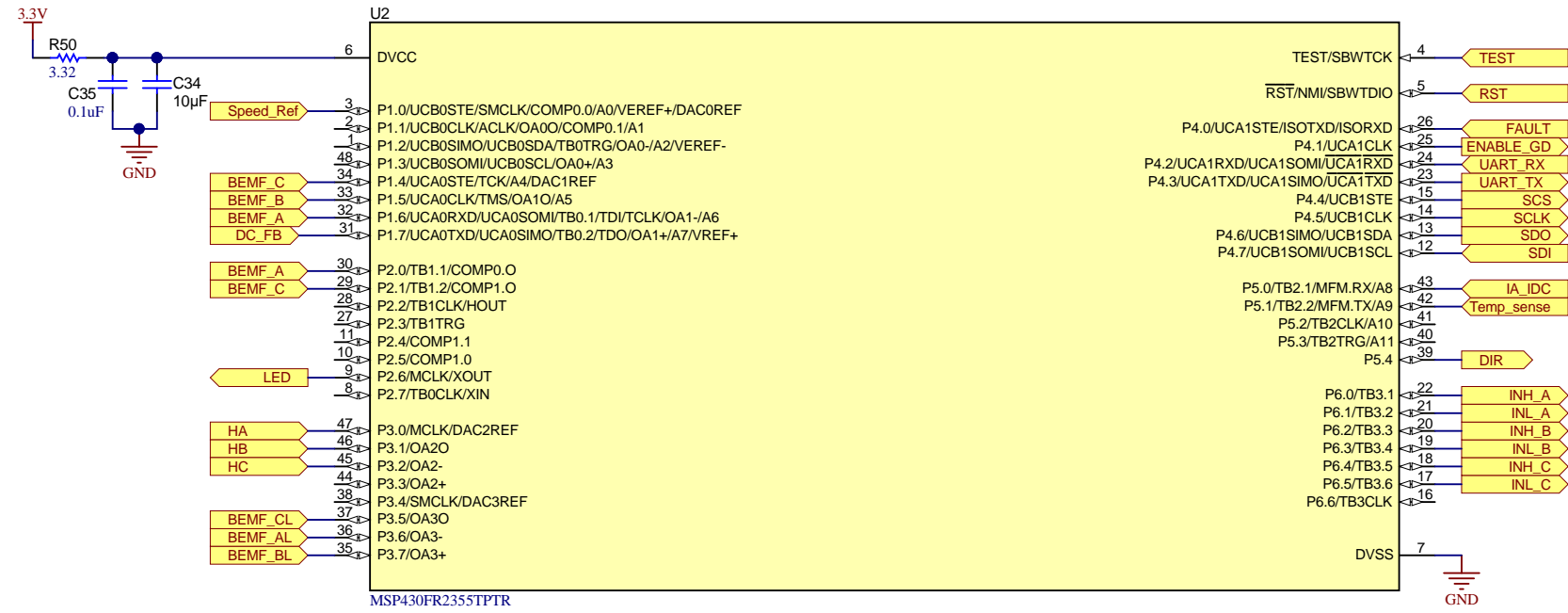
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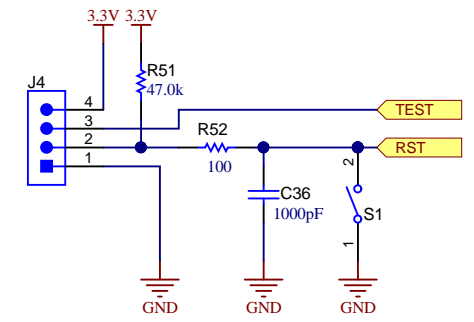


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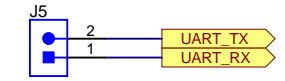
MCU Circuit



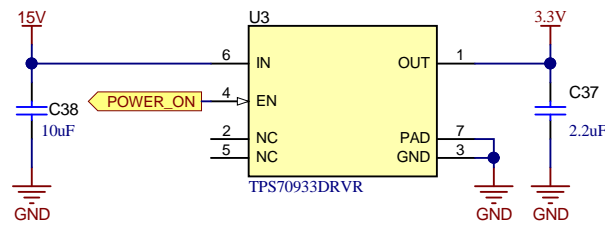
MCU Programming Connector



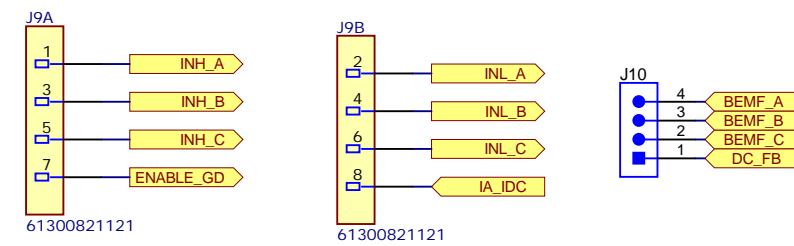
Provision for UART communication



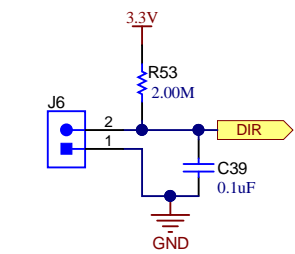
3.3 V Linear Regulator



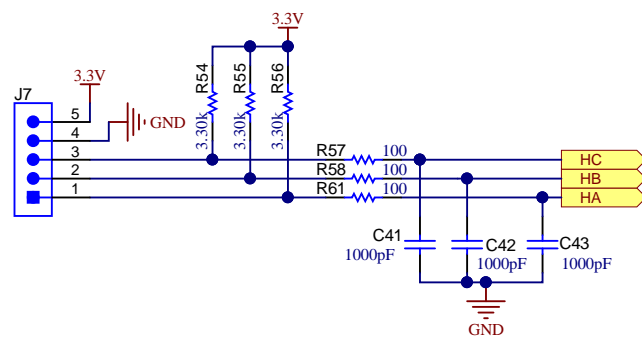
Interface for External MCU Control



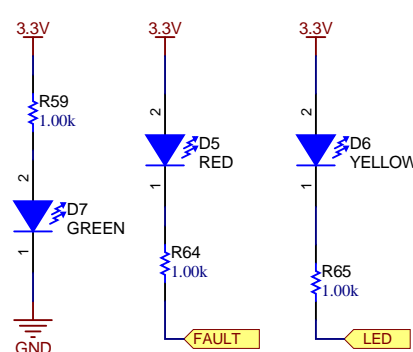
DIRECTION Change



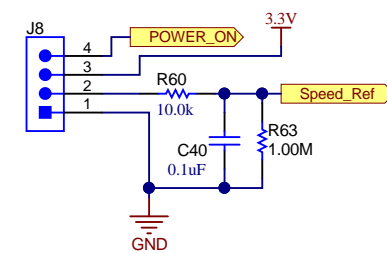
Hall Sensor Interface



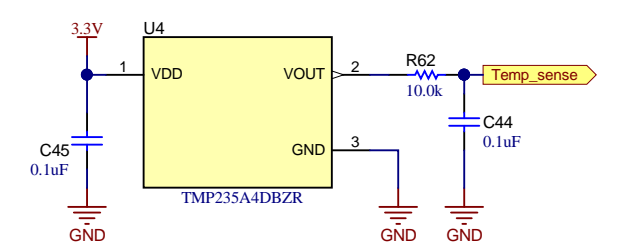
LED Indication



SPEED Reference

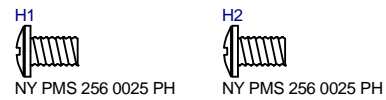


Onboard Temperature Sensor



Note: The hall sensor must be connected in proper sequence to match with the winding connections.

Note: Connect an external 20k POT at J8
Pin No.2 should be the midpoint



PCB Number: TIDA-010056
PCB Rev: E2



PCB LOGO
FCC disclaimer

PCB LOGO
WEEE logo

PCB LOGO
Logo1

PCB LOGO
Logo2

Label Table	
Variant	Label Text
001	ChangeMe!
002	ChangeMe!

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.

Orderable: N/A	Designed for: Public Release	Mod. Date: 5/28/2019	<p>TEXAS INSTRUMENTS http://www.ti.com © Texas Instruments 2019</p>
TID #: 010056	Project Title: 54V, 1.5kW, 3-Phase BLDC Drive Power stage		
Number: TIDA-010056	Rev: E2	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 5 of 5	
Drawn By: Manu	File: TIDA-010056_Hardware.SchDoc	Size: B	
Engineer: Manu Balakrishnan	Contact: http://www.ti.com/support		

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