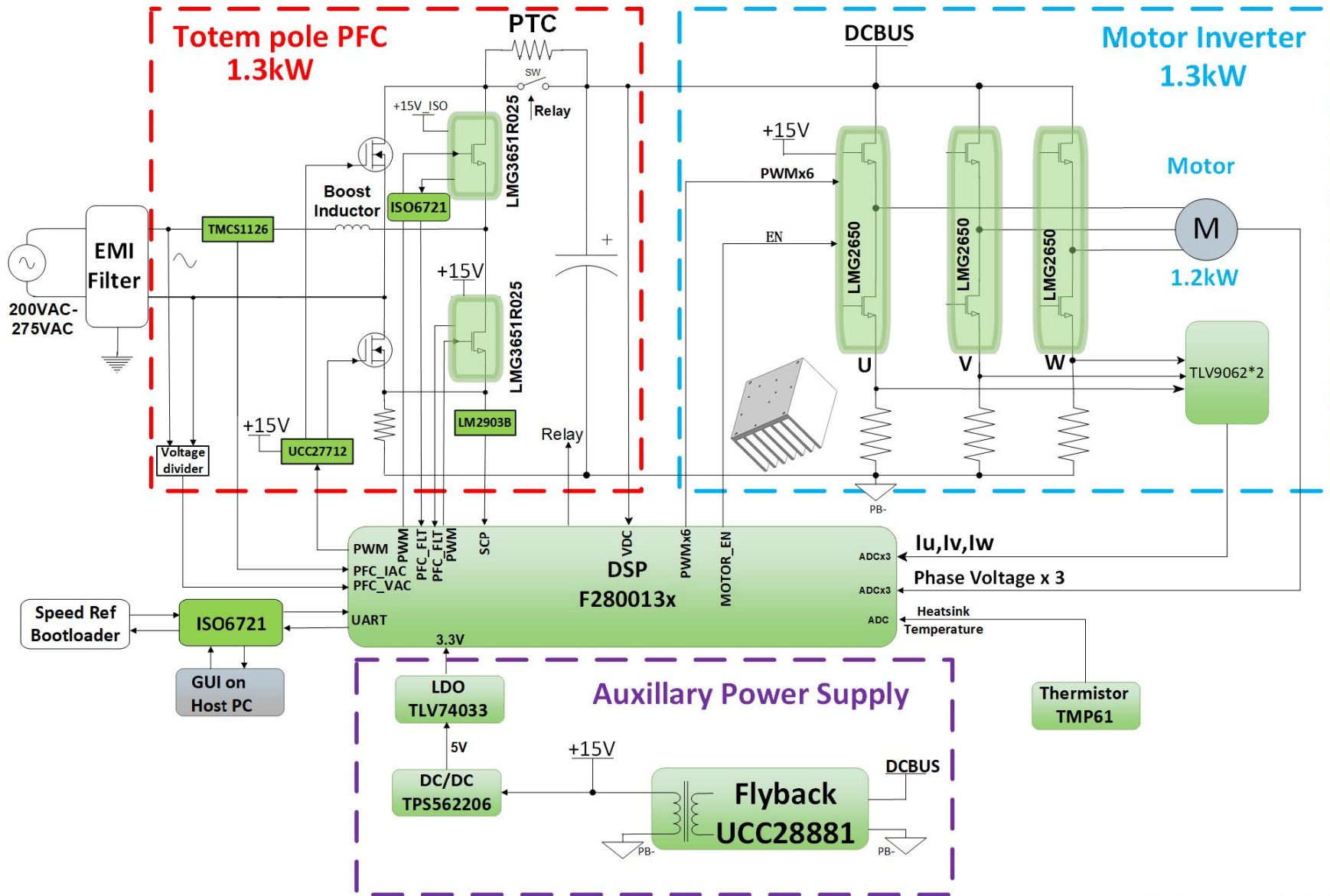


TIDA-010282: TTPL PFC and Motor Inverter with GaN

Revision History					
Rev	ECN #	Approved Date	Approved by	Notes	
N/A	N/A	N/A	N/A	N/A	

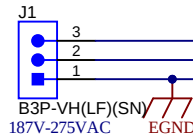


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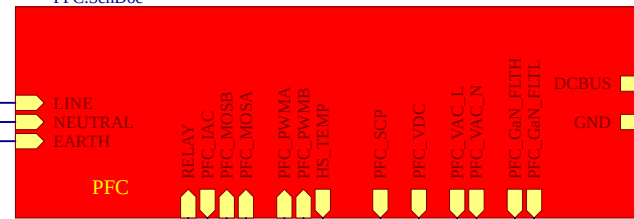
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Number: TIDA-010282	Rev: C	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 1 of 7
Drawn By:	File: Cover.SchDoc	Size: B
Engineer: Hely Zhang	Contact: http://www.ti.com/support	http://www.ti.com

MAIN

AC INPUT



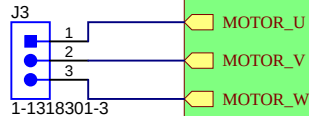
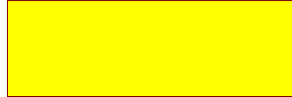
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PFC.SchDoc



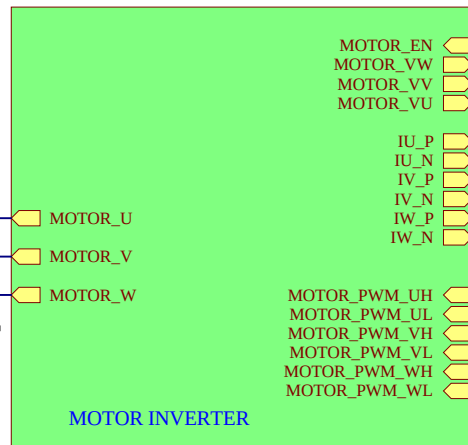
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Aux.SchDoc



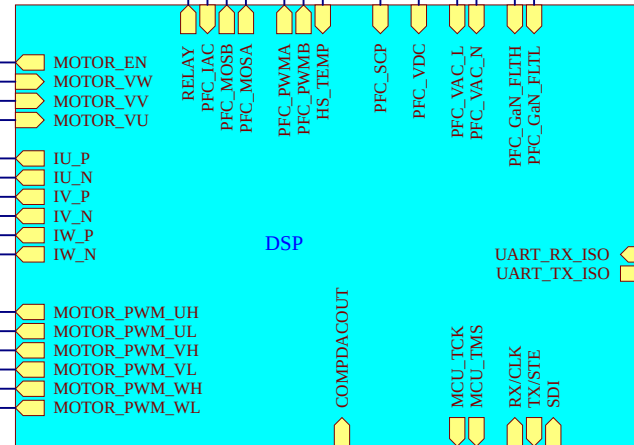
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Hardware.SchDoc



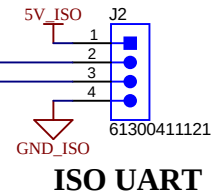
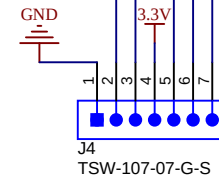
MOTOR OUTPUT



U_IPM_Comp
Inverter.SchDoc



U_DSP_PFC
Connector.SchDoc

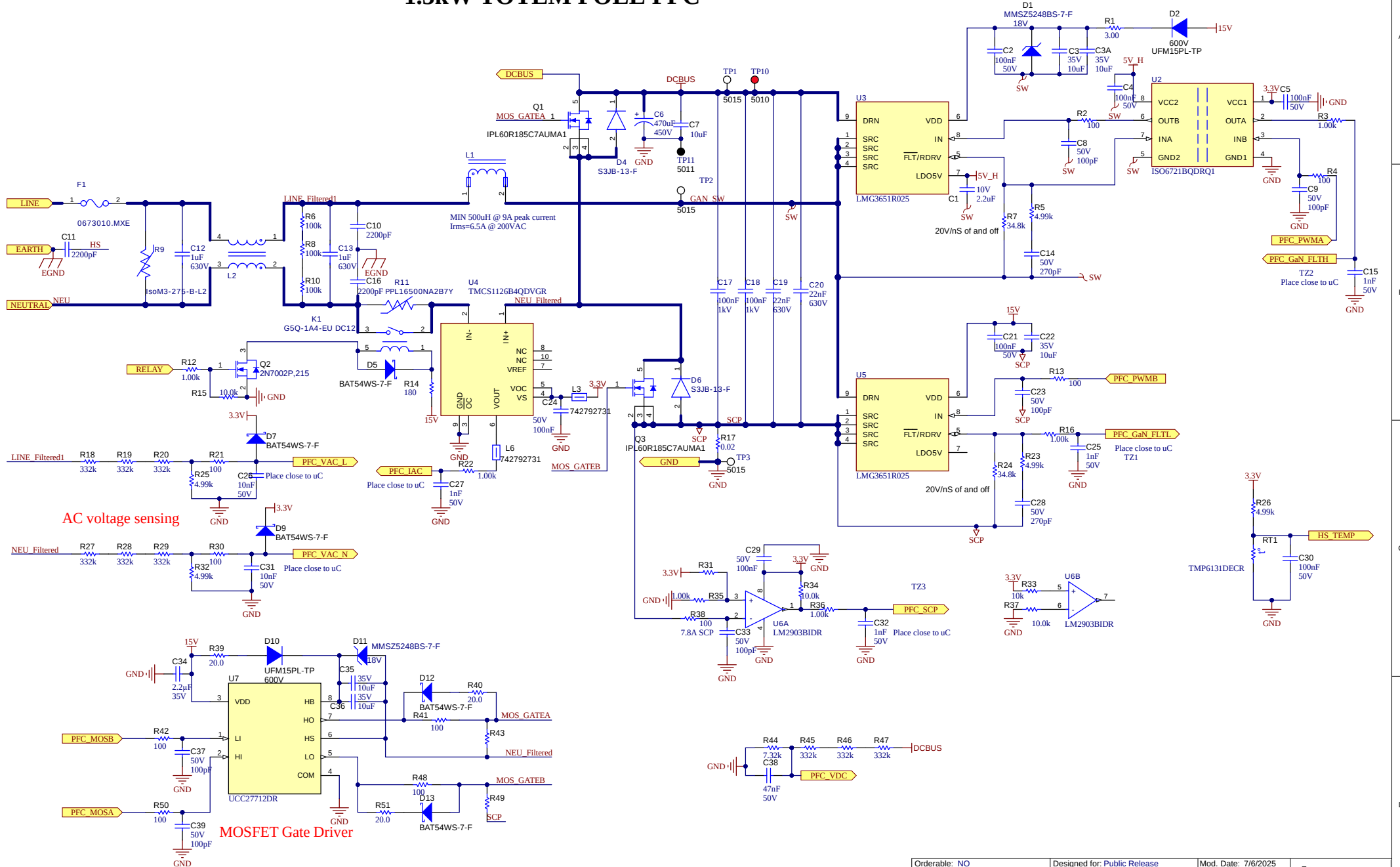


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Orderable: NO	Designed for: Public Release	Mod. Date: 12/19/2024
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Number: TIDA-010282	Rev: C	Sheet Title: Main
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 2 of 7
Drawn By: HELY ZHANG	File: main.SchDoc	Size: A4
Engineer: Hely Zhang	Contact: http://www.ti.com/support	

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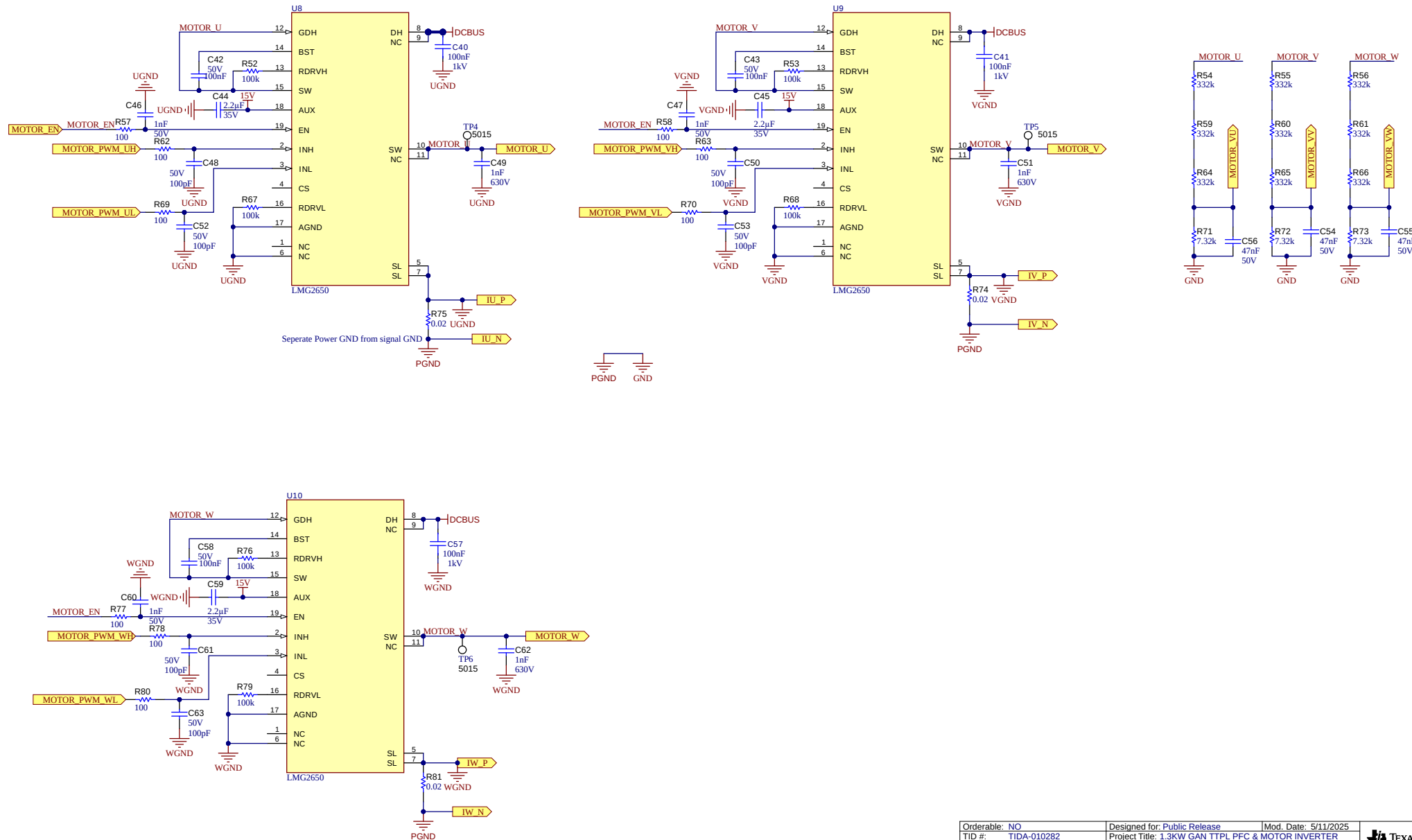
1.3kW TOTEM POLE PFC



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Orderable: NO	Designed for: Public Release	Mod. Date: 7/6/2025
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Number: TIDA-010282	Rev: C	Sheet Title: PFC
SVN Rev: Not in version control	Assembly Variant: 001	Sheet 3 of 7
Drawn By: Hely Zhang	File: PFC_SchDoc	Size: A3
Engineer: Hely Zhang	Contact: http://www.ti.com/support	

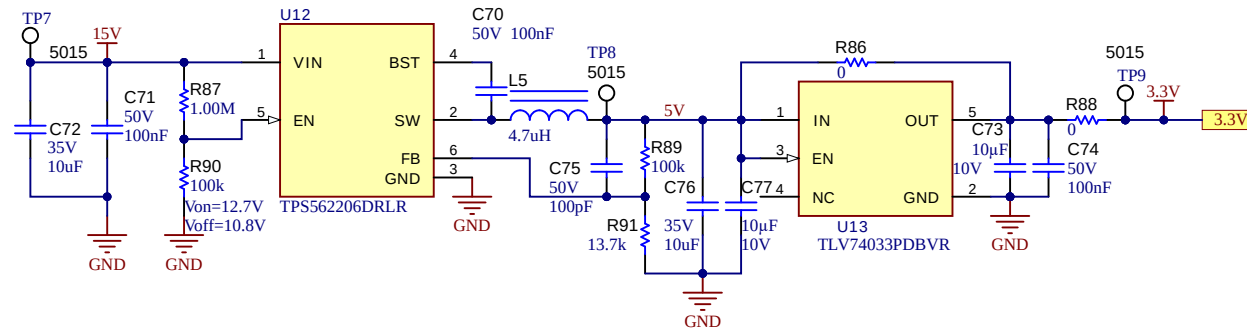
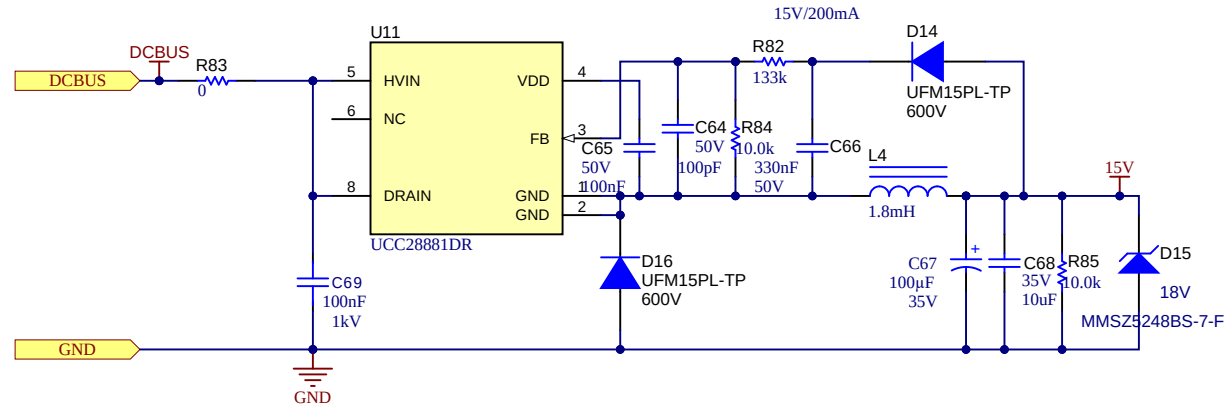
MOTOR INVERTER



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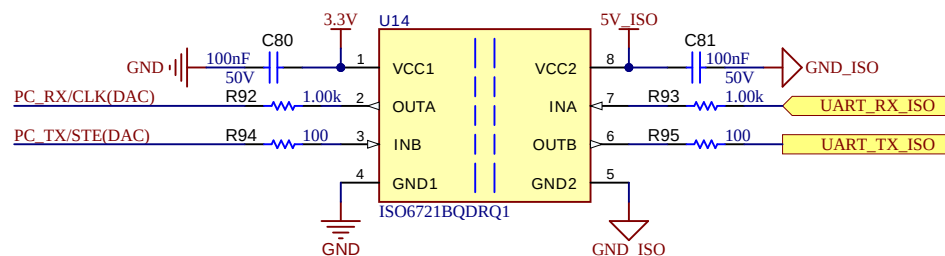
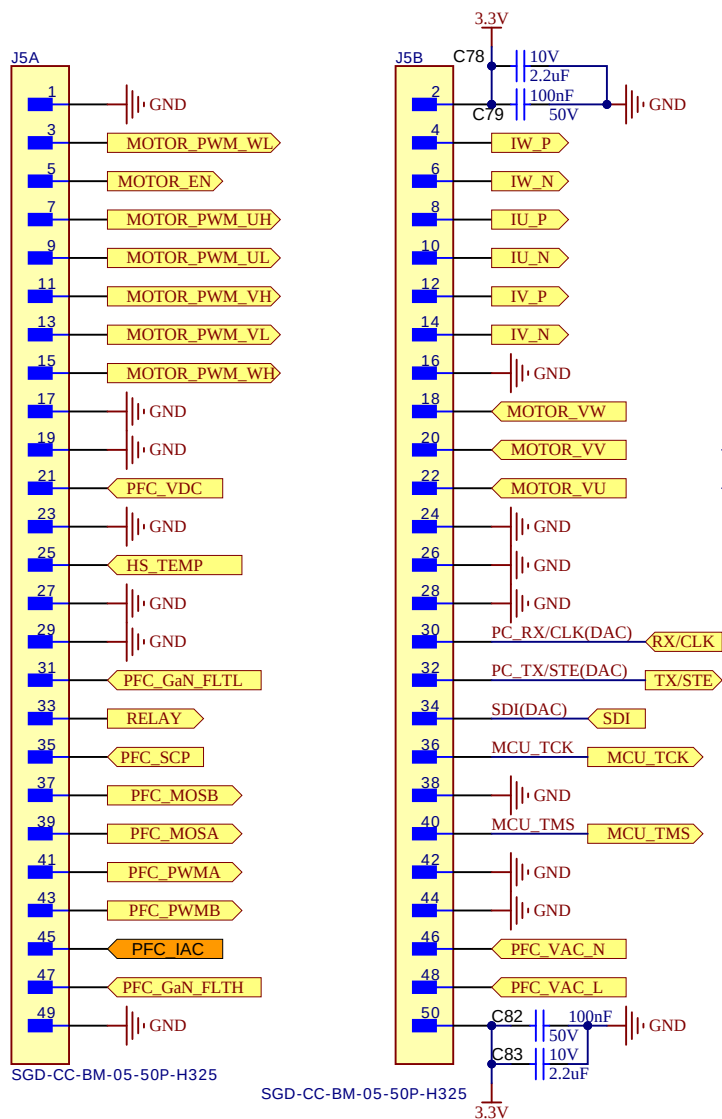
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Number: TIDA-010282 Rev: C	Sheet Title: IPM		
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 4 of 7	
Drawn By: Hely Zhang	Contact: inverter.SchDoc	Size: A3	
Engineer: Hely Zhang	File: http://www.ti.com/support		

AUX POWER SUPPLIES



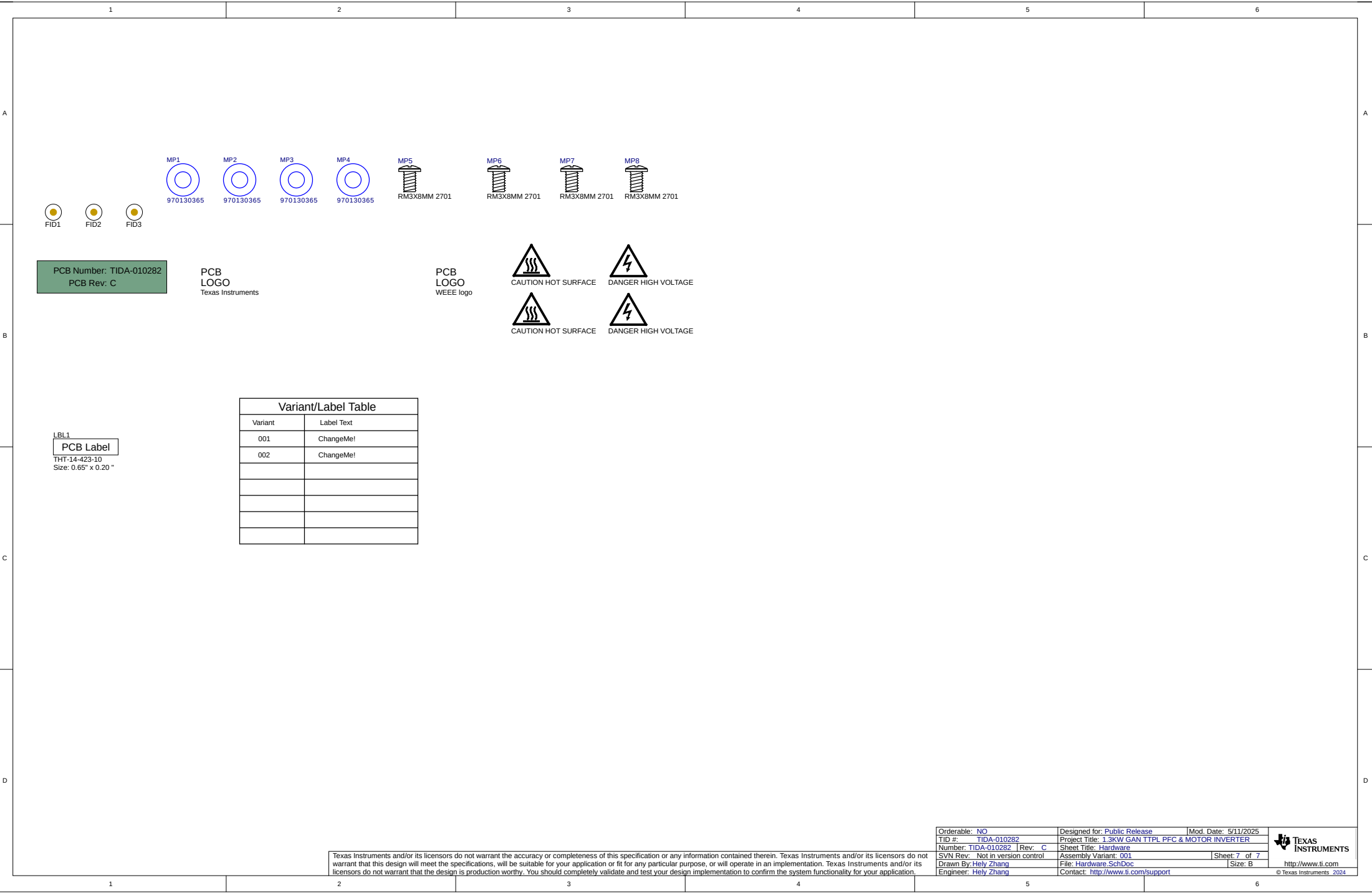
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Orderable: NO	Designed for: Public Release	Mod. Date: 4/29/2025
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Number: TIDA-010282	Rev: C	Sheet Title: Aux
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 5 of 7
Drawn By: Hely Zhang	File: Aux.SchDoc	Size: A4
Engineer: Hely Zhang	Contact: http://www.ti.com/support	



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Orderable: NO	Designed for: Public Release	Mod. Date: 5/11/2025
TID #: TIDA-010282	Project Title: 1.3KW GAN TTPL PFC & MOTOR INVERTER	
Number: TIDA-010282	Rev: C	Sheet: 6 of 7
SVN Rev: Not in version control	Assembly Variant: 001	Size: A4
Drawn By: Hely Zhang	File: Connector.SchDoc	
Engineer: Hely Zhang	Contact: http://www.ti.com/support	



FID1

FID2

FID3

MP1
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MP2
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MP3
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MP4
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MP5
RM3X8MM 2701

MP6
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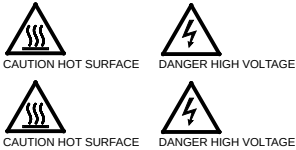
MP7
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MP8
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PCB Number: TIDA-010282
PCB Rev: C

PCB
LOGO
Texas Instruments

PCB
LOGO
WEEE logo



LBL1
PCB Label
THT-14-423-10
Size: 0.65" x 0.20"

Variant/Label Table	
Variant	Label Text
001	ChangeMe!
002	ChangeMe!

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