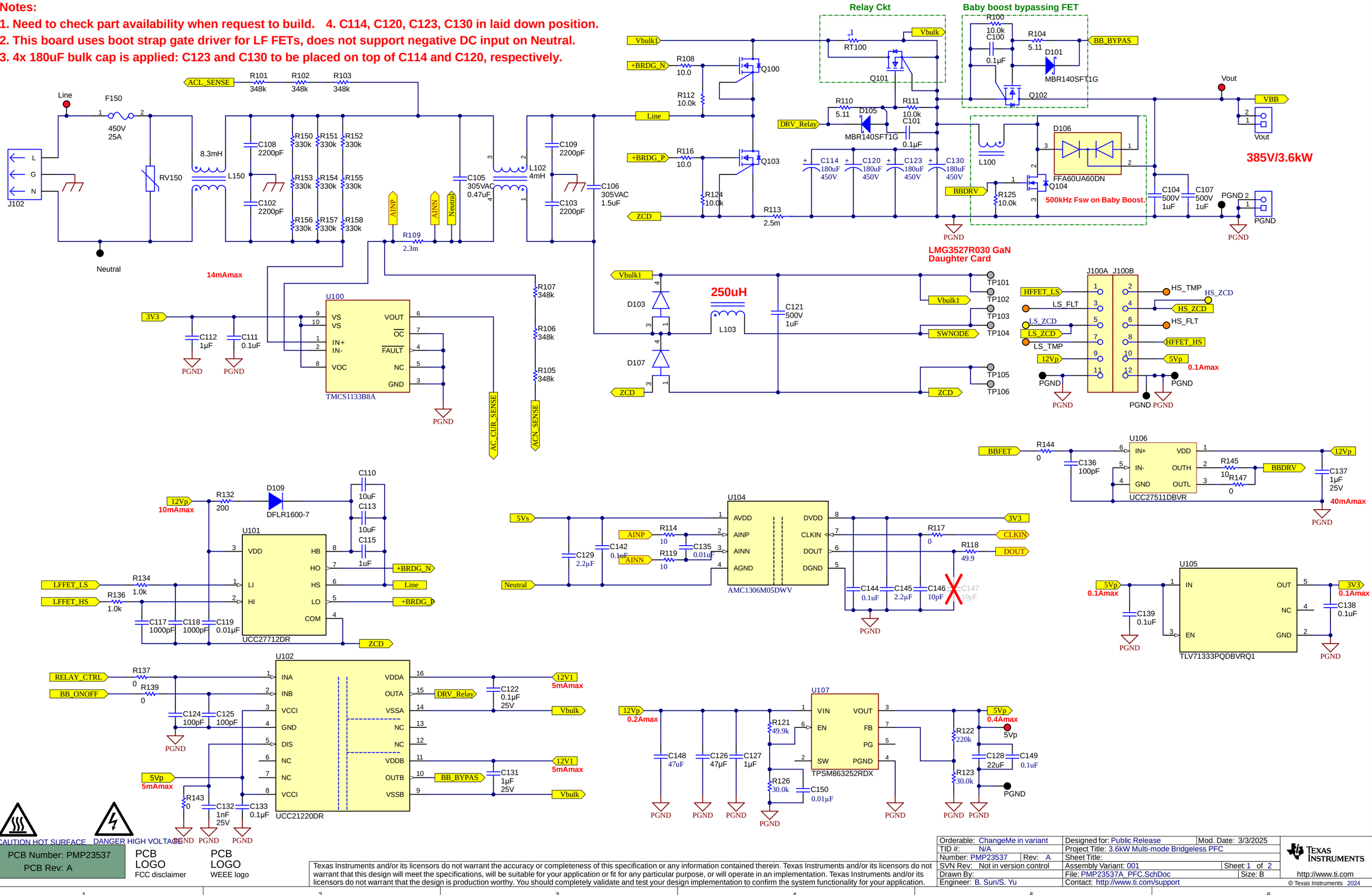
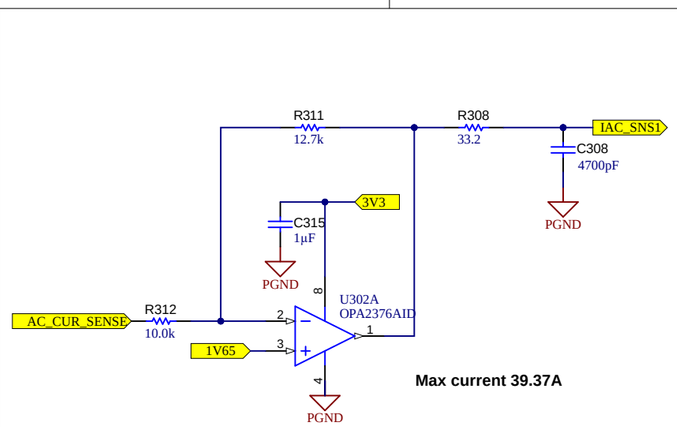
Notes:

1. Need to check part availability when request to build.
2. This board uses boot strap gate driver for LF FETs, does not support negative DC input on Neutral.
3. 4x 180uF bulk cap is applied: C123 and C130 to be placed on top of C114 and C120, respectively.
4. C114, C120, C123, C130 in laid down position.

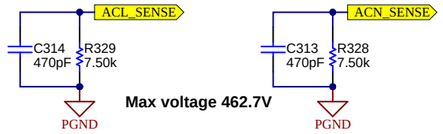


Orderable: ChangeMe in variant	Designed for: Public Release	Mod. Date: 3/3/2025
TID #: N/A	Project Title: 3.6kW Multi-mode Bridgeless PFC	
Number: PMP23537 Rev: A	Sheet Title:	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 1 of 2
Drawn By:	File: PMP23537A_PFC.SchDoc	Size: B
Engineer: B. Sun/S. Yu	Contact: http://www.ti.com/support	

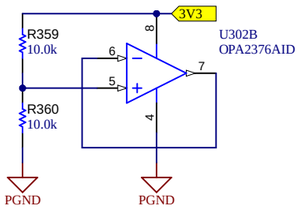
TEXAS INSTRUMENTS
http://www.ti.com

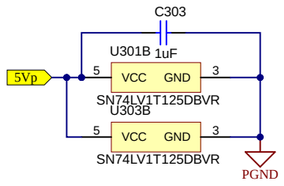


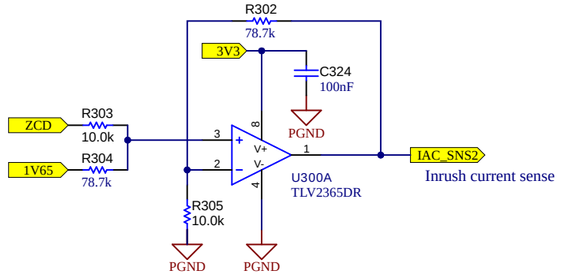
Max current 39.37A

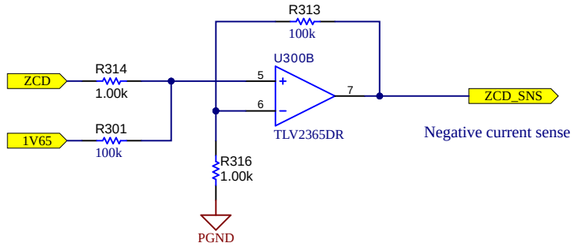


Max voltage 462.7V

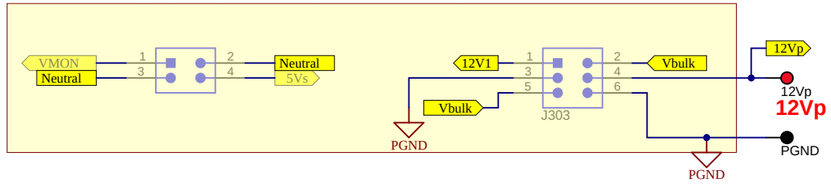


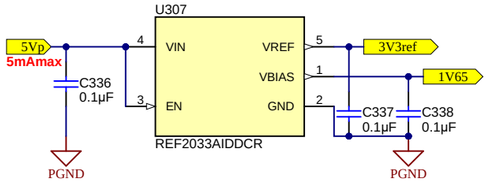


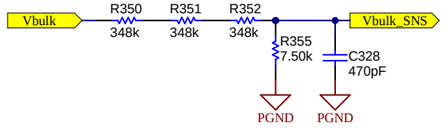


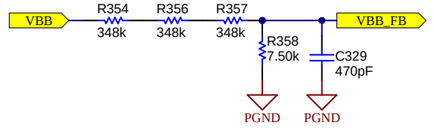


Link to bias supply daughter card (PMP20306RevA)









Max voltage 462.7V

Orderable: ChangeMe in variant		Designed for: Public Release	Mod. Date: 8/28/2024
TID #: N/A		Project Title: 3.6kW Multi-mode Bridgeless PFC	
Number: PMP23537	Rev: A	Sheet Title:	
SVN Rev: Not in version control		Assembly Variant: 001	Sheet: 2 of 2
Drawn By:		File: PMP23537A_Controller.SchDoc	Size: B
Engineer: B. Sun/S. Yu		Contact: http://www.ti.com/support	

R3

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