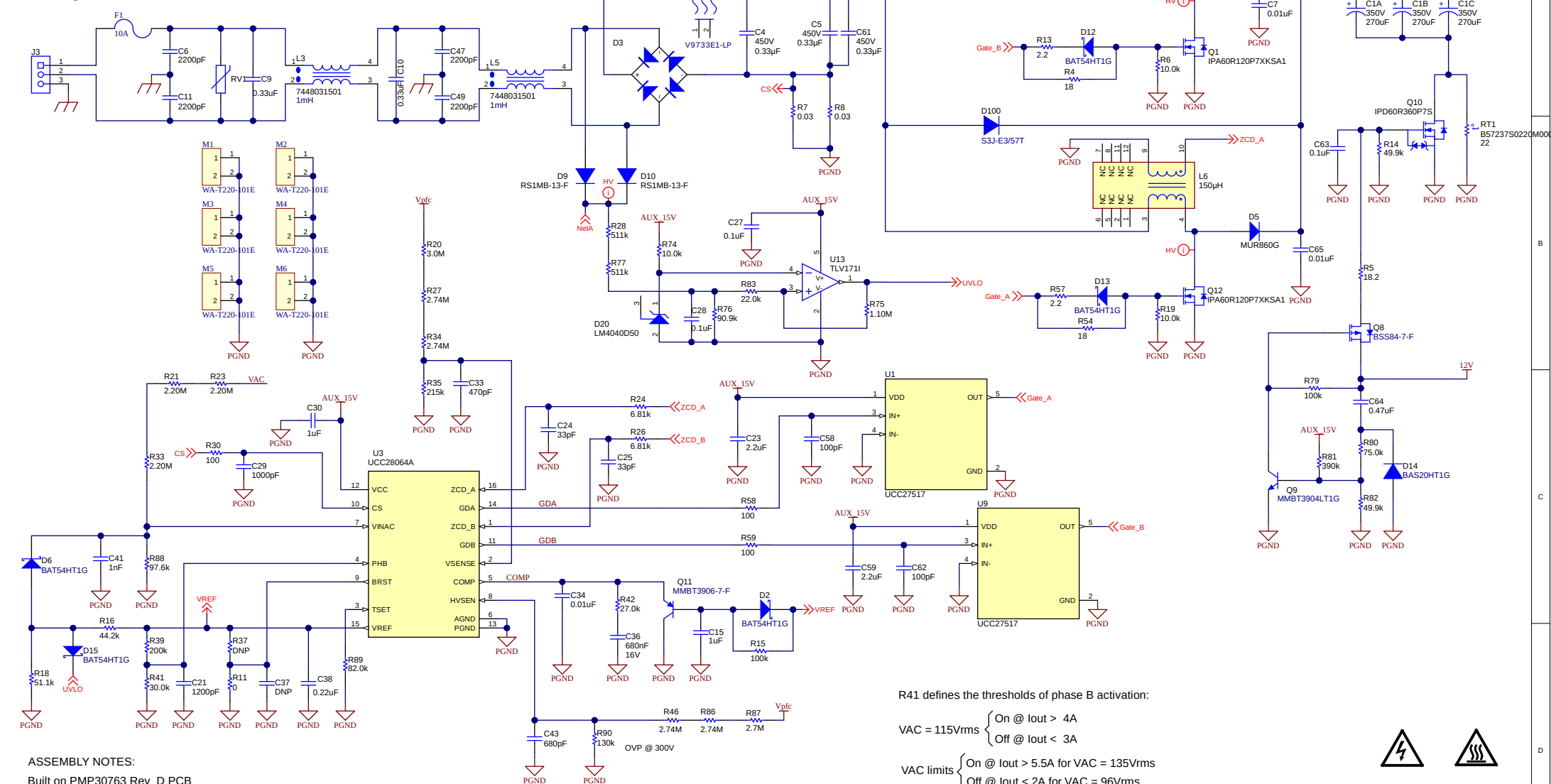


96VAC - 134VAC @ 360Hz - 800Hz



# ASSEMBLY NOTES:

Built on PMP30763 Rev\_D PCB

"DNP" = do not populate

Insert thermal insulator rubber caps Thp1....6 on heatsinks M1....M6

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R41 defines the thresholds of phase B activation:

VAC = 115Vrms { On @ Iout > 4A  
Off @ Iout < 3A

VAC limits { On @ Iout > 5.5A for VAC = 135Vrms  
Off @ Iout < 2A for VAC = 96Vrms



|                                 |                                             |                                    |
|---------------------------------|---------------------------------------------|------------------------------------|
| Orderable: N/A                  | Designed for: Public Release                | Mod Date: 17/09/2021               |
| TID #: PMP30763                 | Project Title: 400W, PFC + LLC for Avionics | Sheet Title: PFC                   |
| Number: PMP30763                | Rev: D                                      | Assembly Variant: [No Variations]  |
| SVN Rev: Not in version control | File: PMP30763 Rev_D PFC Schematic.SchDoc   | Sheet: 1 of 3                      |
| Drawn By: R. Scibilia           | Engineer: R. Scibilia                       | Contact: http://www.ti.com/support |

A

B

C

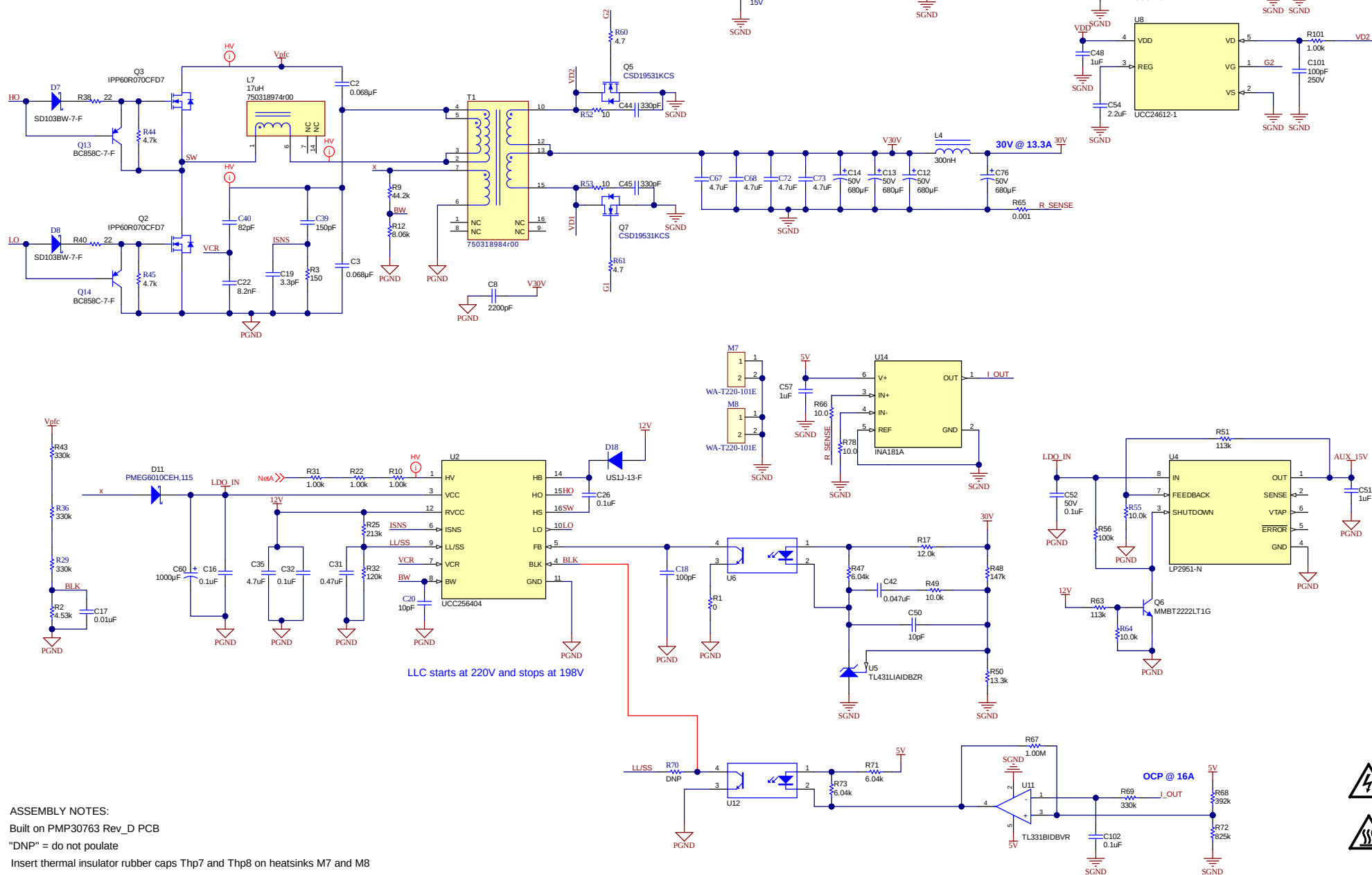
D

A

B

C

D



#### ASSEMBLY NOTES:

Built on PMP30763 Rev\_D PCB

"DNP" = do not populate

Insert thermal insulator rubber caps Thp7 and Thp8 on heatsinks M7 and M8

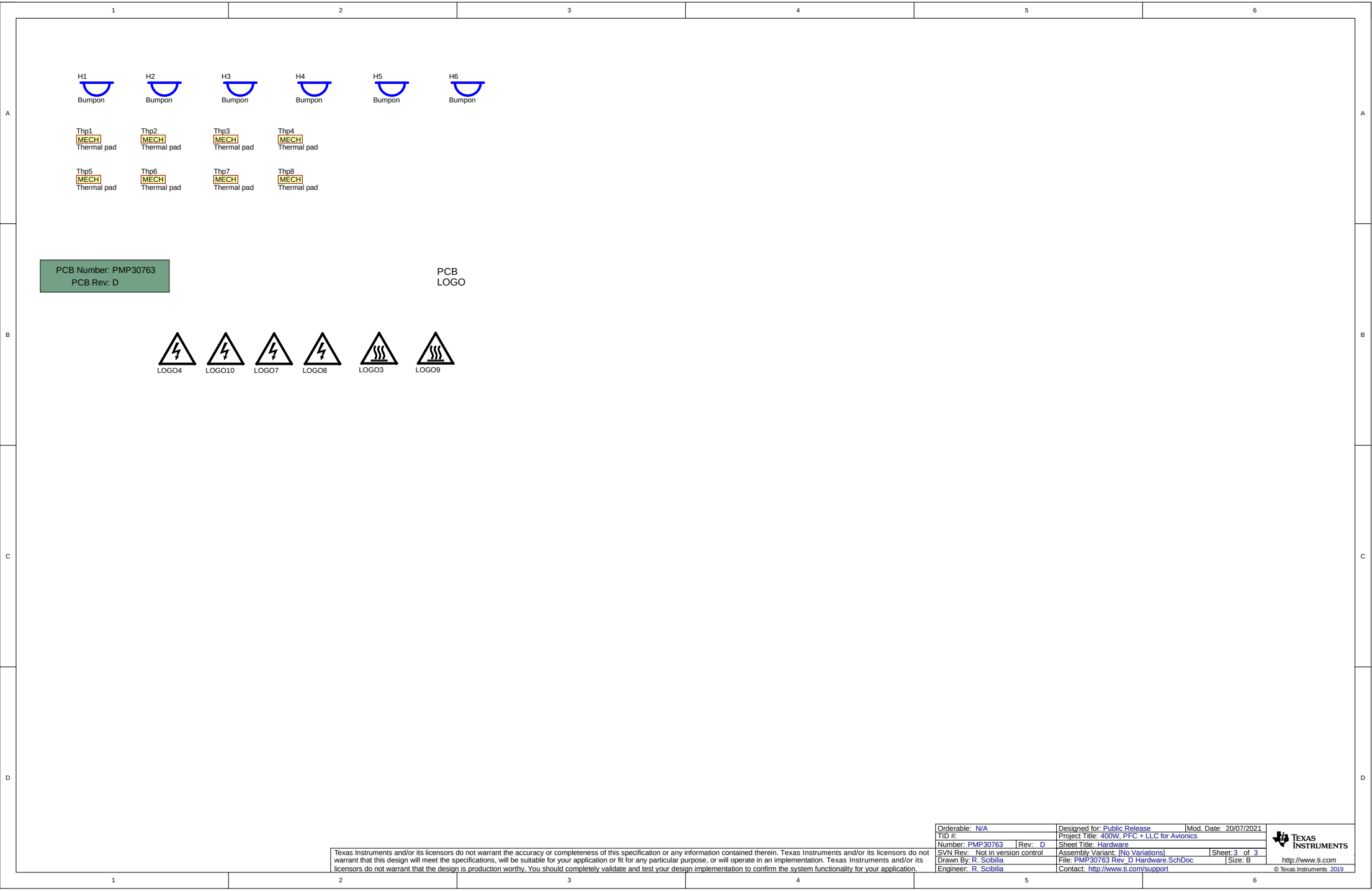
Connect pin 4 of U12 with pin 4 of U2 (net BLK)

Add C102 between pins 1 and 2 of U11

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|                                 |                                             |                       |
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| TID #:                          | Project Title: 400W, PFC + LLC for Avionics |                       |
| Number: PMP30763                | Rev: D                                      | Sheet Title: LLC      |
| SVN Rev: Not in version control | Assembly Variant: [No Variations]           | Sheet: 2 of 3         |
| Drawn By: R. Scibilia           | File: PMP30763 Rev_D LLC Schematic.SchDoc   | Size: B               |
| Engineer: R. Scibilia           | Contact: http://www.ti.com/support          |                       |





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|                                 |                                                                            |                                                   |
|---------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
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| TID #:                          | Project Title: 400W, PFC + LLC for Avionics                                |                                                   |
| Number: PMP30763                | Rev: D                                                                     | Sheet Title: Hardware                             |
| SVN Rev: Not in version control | Assembly Variant: [No Variations]                                          | Sheet 3 of 3                                      |
| Drawn By: R. Scibilia           | File: PMP30763 Rev. D Hardware.SchDoc                                      | Size: B                                           |
| Engineer: R. Scibilia           | Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a> | <a href="http://www.ti.com">http://www.ti.com</a> |