

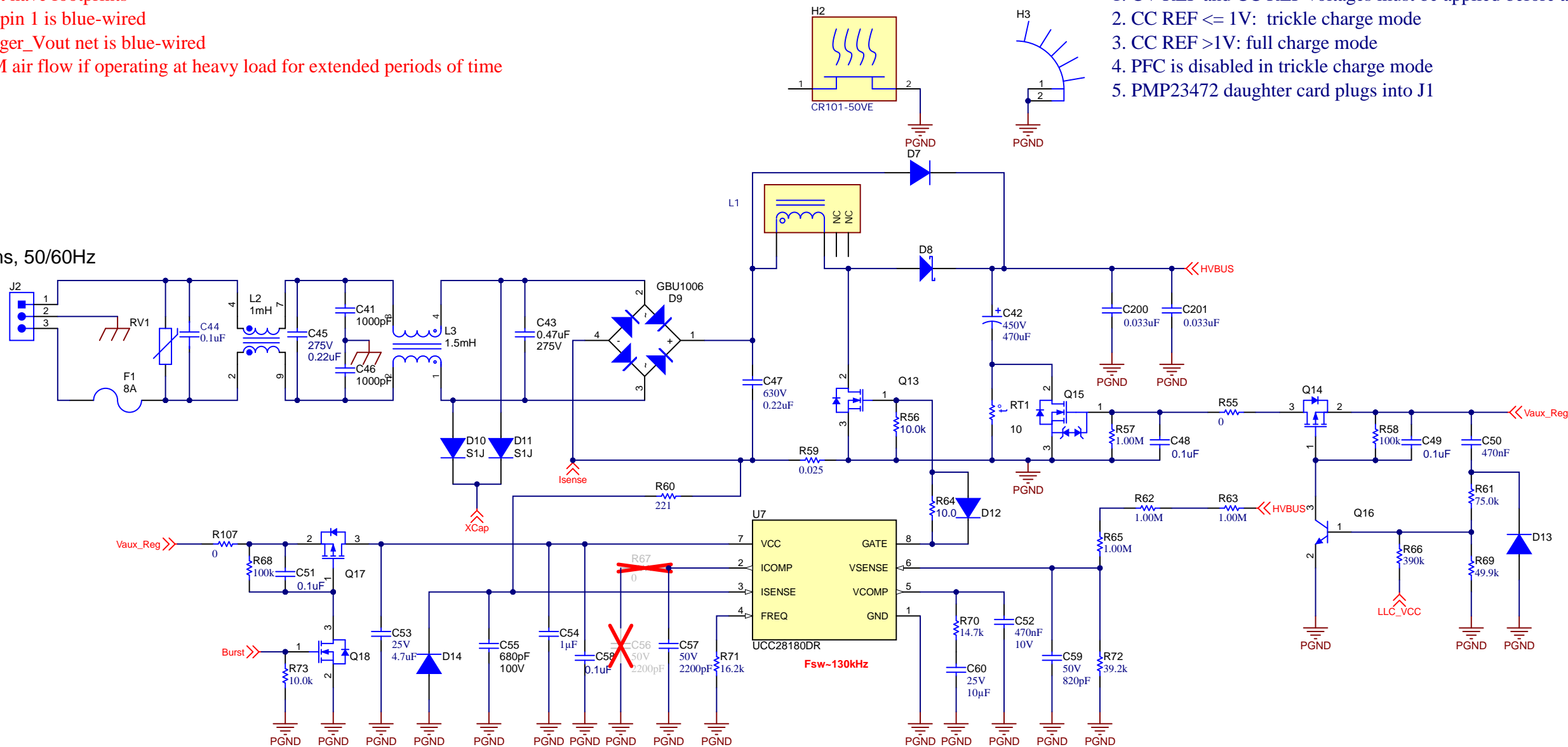
Assembly Notes

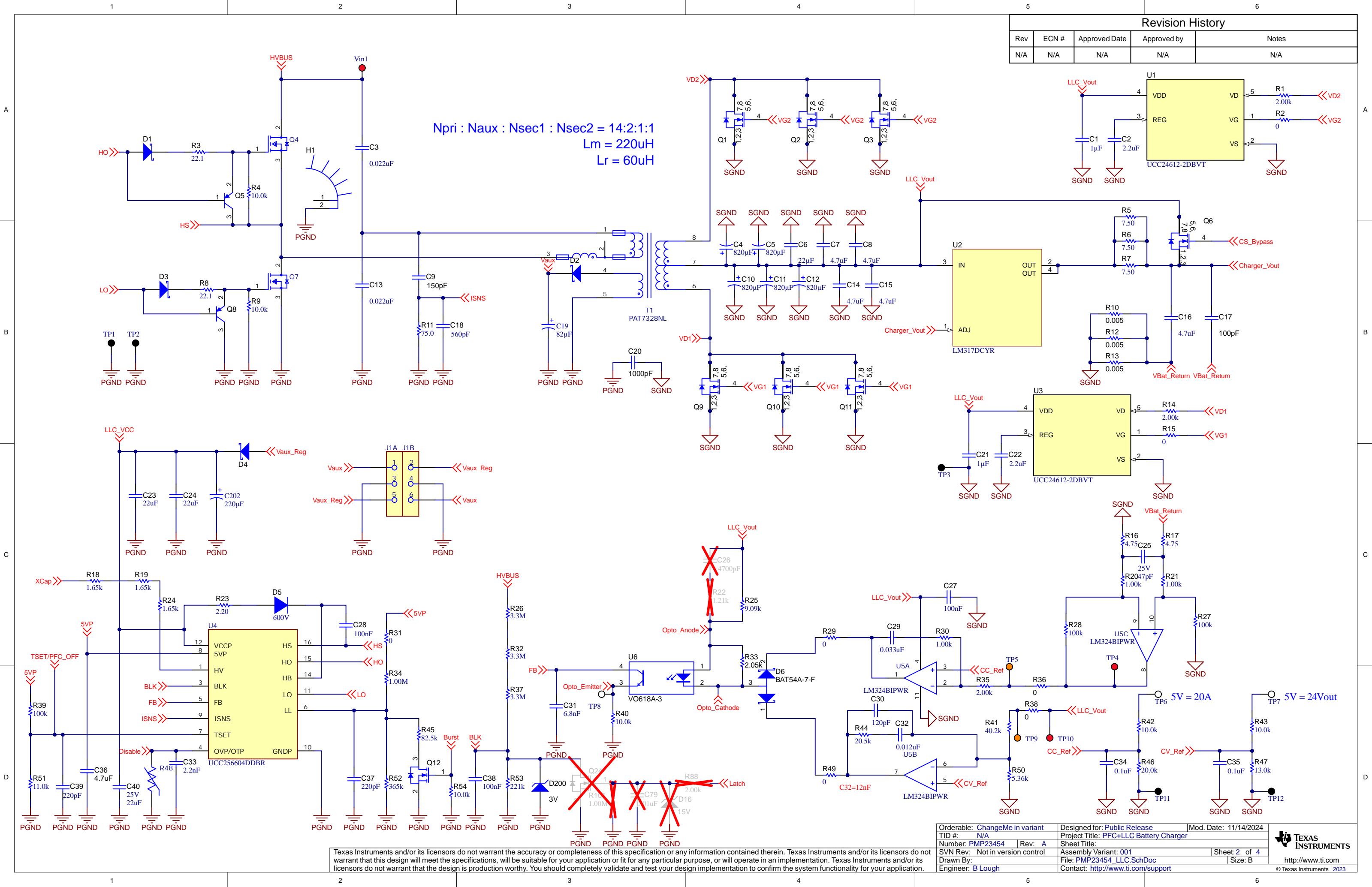
- 1. Designators >200 do not have footprints
- 2. D20 connection to U12 pin 1 is blue-wired
- 3. D17 connection to Charger_Vout net is blue-wired
- 4. Board requires 250 LFM air flow if operating at heavy load for extended periods of time

Board Operation Notes:

- 1. CV REF and CC REF voltages must be applied before applying AC voltage
- 2. CC REF <= 1V: trickle charge mode
- 3. CC REF >1V: full charge mode
- 4. PFC is disabled in trickle charge mode
- 5. PMP23472 daughter card plugs into J1

Vac = 85Vrms - 265Vrms, 50/60Hz

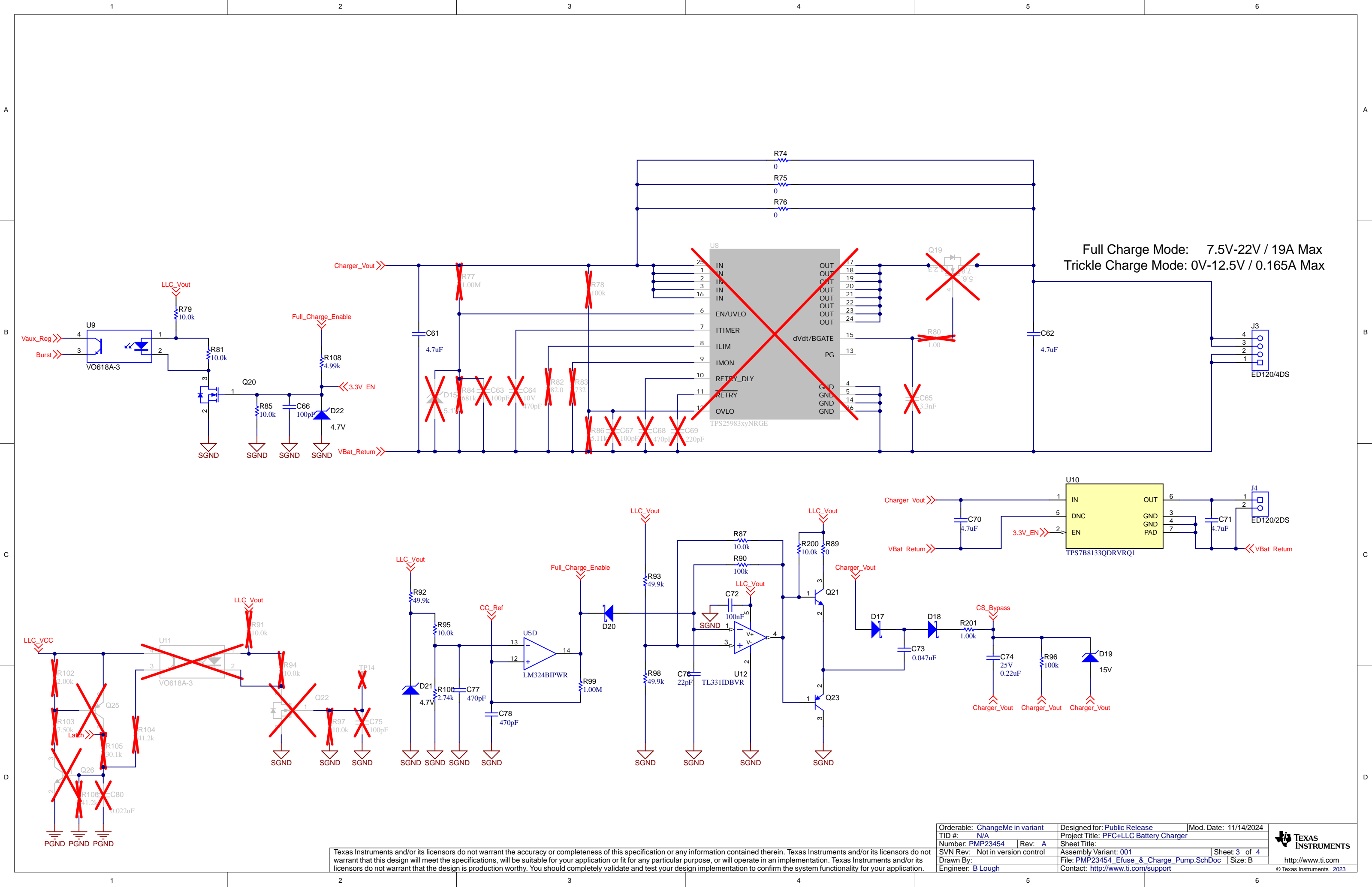




| Revision History | | | | |
|------------------|-------|---------------|-------------|-------|
| Rev | ECN # | Approved Date | Approved by | Notes |
| N/A | N/A | N/A | N/A | N/A |

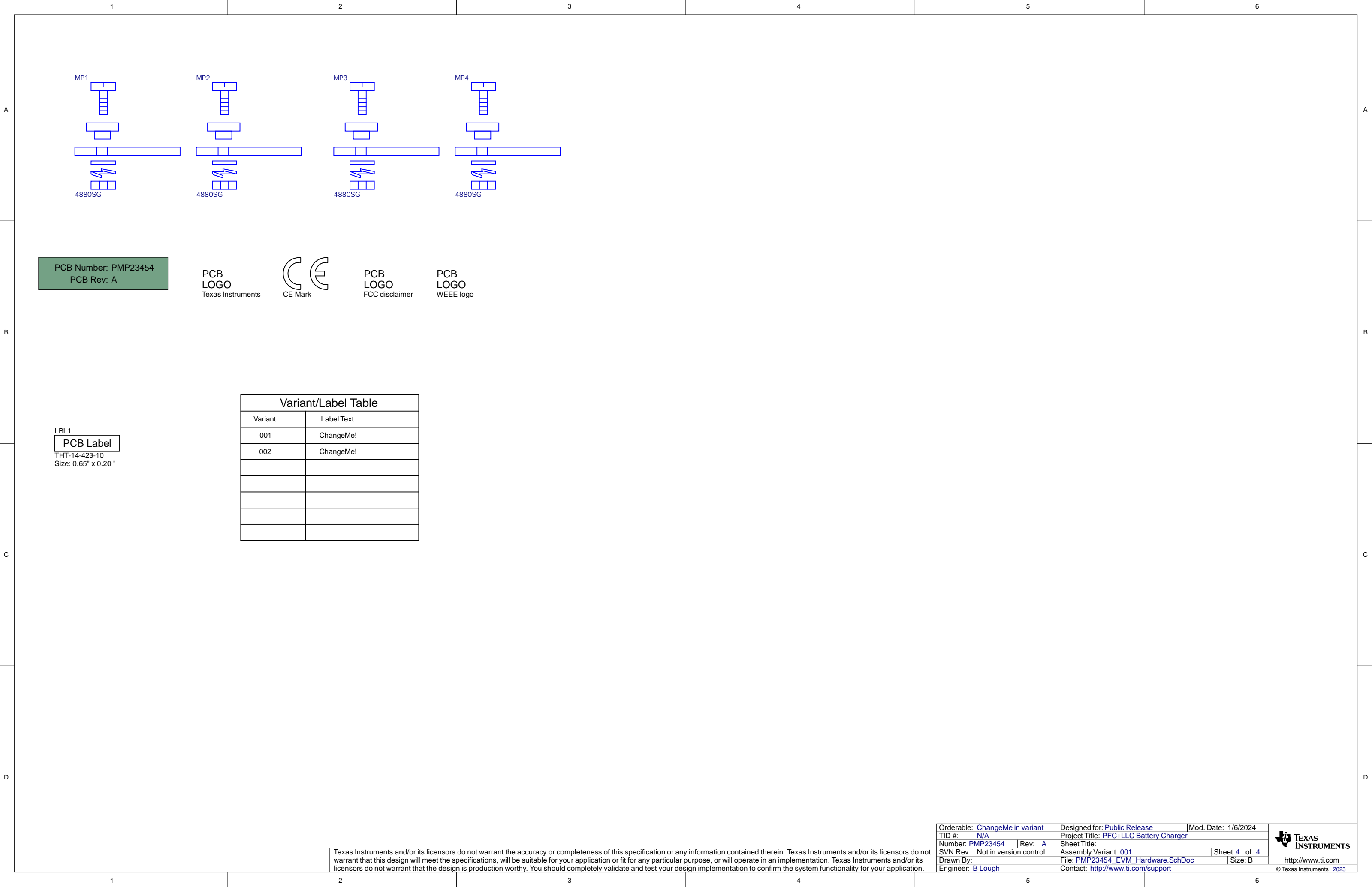
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|---------------------------------|--|-----------------------|
| Orderable: ChangeMe in variant | Designed for: Public Release | Mod. Date: 11/14/2024 |
| TID #: N/A | Project Title: PFC+LLC Battery Charger | |
| Number: PMP23454 | Rev: A | Sheet Title: |
| SVN Rev: Not in version control | Assembly Variant: 001 | Sheet: 2 of 4 |
| Drawn By: | File: PMP23454_LLC.SchDoc | Size: B |
| Engineer: B Lough | Contact: http://www.ti.com/support | |



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|---|---|---|
| Orderable: ChangeMe in variant | Designed for: Public Release | Mod. Date: 11/14/2024 |
| TID #: N/A | Project Title: PFC+LLC Battery Charger | |
| Number: PMP23454 | Rev: A | Sheet Title: |
| SVN Rev: Not in version control | Assembly Variant: 001 | Sheet: 3 of 4 |
| Drawn By: B Lough | File: PMP23454_Efuse & Charge Pump.SchDoc | Size: B |
| Engineer: B Lough | Contact: http://www.ti.com/support | |



PCB Number: PMP23454
PCB Rev: A

PCB
LOGO
Texas Instruments



PCB
LOGO
FCC disclaimer

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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|---|------------------------|--|---|
| Orderable: ChangeMe in variant | | Designed for: Public Release | Mod. Date: 1/6/2024 |
| TID #: N/A | | Project Title: PFC+LLC Battery Charger | |
| Number: PMP23454 | Rev: A | Sheet Title: | |
| SVN Rev: Not in version control | | Assembly Variant: 001 | Sheet: 4 of 4 |
| Drawn By: | | File: PMP23454_EVM_Hardware.SchDoc | Size: B |
| Engineer: B Lough | | Contact: http://www.ti.com/support | |