

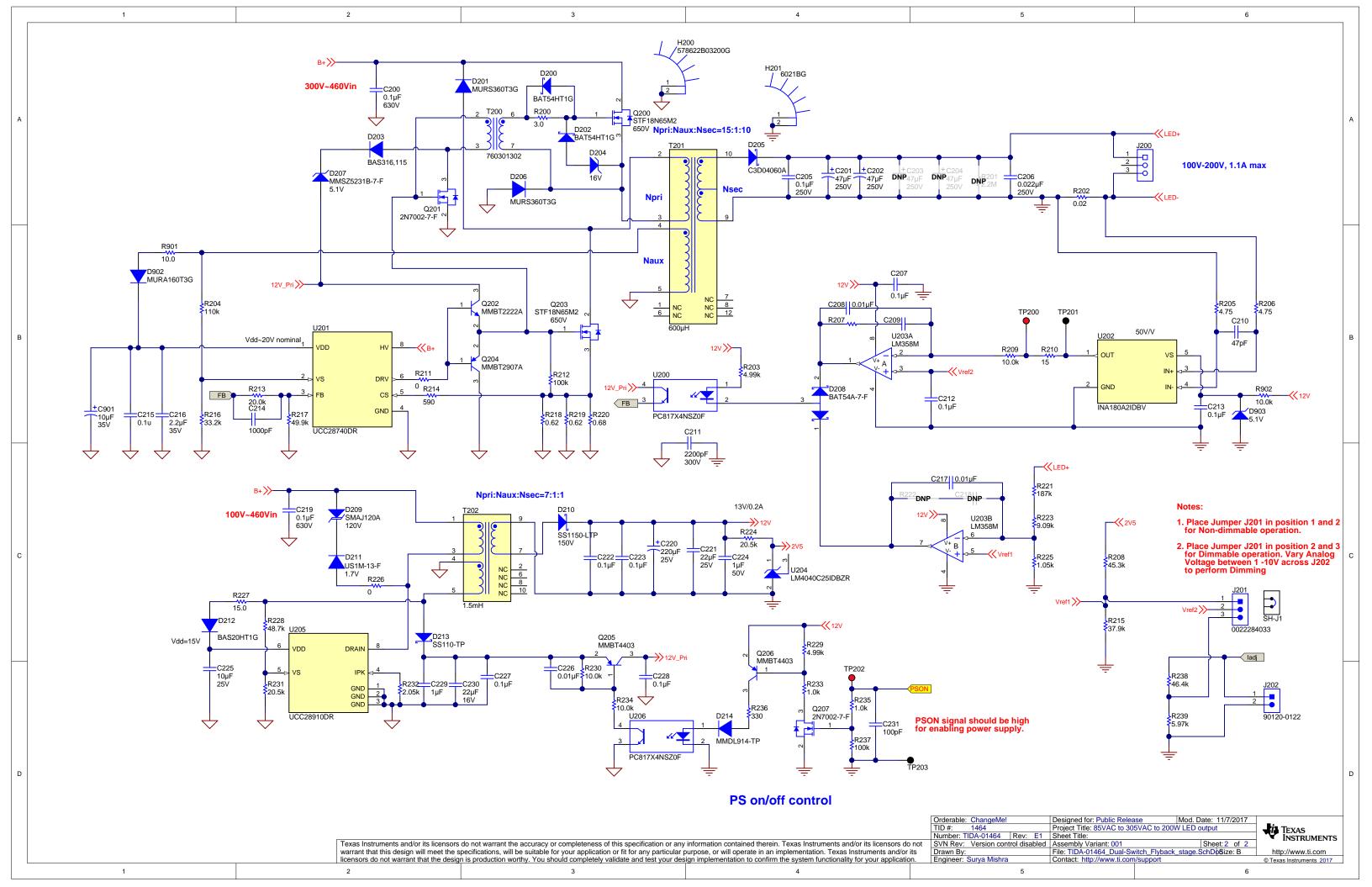
3 Notes: 1. Current design is designed for maximum 1.1A constant current output, 100V~200V output voltage range. 2. One 2.1" x 1.25" x 0.125" heatsink is applied for D100, D102, Q100. 3. One 2.1" x 1.25" x 0.125" heatsink is applied for Q200, Q203. 4. Once PSON signal is switched high, it has to remain high until AC source removed. 4815838R 1.6mH 2222 Safety discharge 1256 L100 R100 432k 300V, 4A \sim C101 470pF C100 100µH C3D02060F R101 220pF 440V 440V 10 R102 432k 85VAC~305VAC S10K275E2 C102 0.22µF 305VAC D101 IPP60R180C7 C103 $\overline{}$ +C104 C106 0.47µF 450V RV100 0.47µF 47µF 500V 50-60Hz 434V/220W 10mH 305VAC 0.22µF 450V C107 R103 i R104 D102 MMDL914-TP 220pF 440V =C108 470pF 440V 432k GBU4J-BP 20k R105 RT100 0.2 R106 R107 4.70 ohm 332k 0.2 R108 R110 332k 0.2 U100 R111 221 =C109 0.47µF GND R113 332k ICOMP VCC \triangle ISENSE VSENSE FREQ VCOMP DNP R116 5.90k D104 UCC28180DR C110 C111 MMDL914-TP 680pF 1200pF C113 820pF R118 C112 16.2k Fsw~130kHz ₹11.5k DNP C114 6.8µF \triangle \triangle \triangle Orderable: ChangeMe! Designed for: Public Release Mod. Date: 11/13/2017

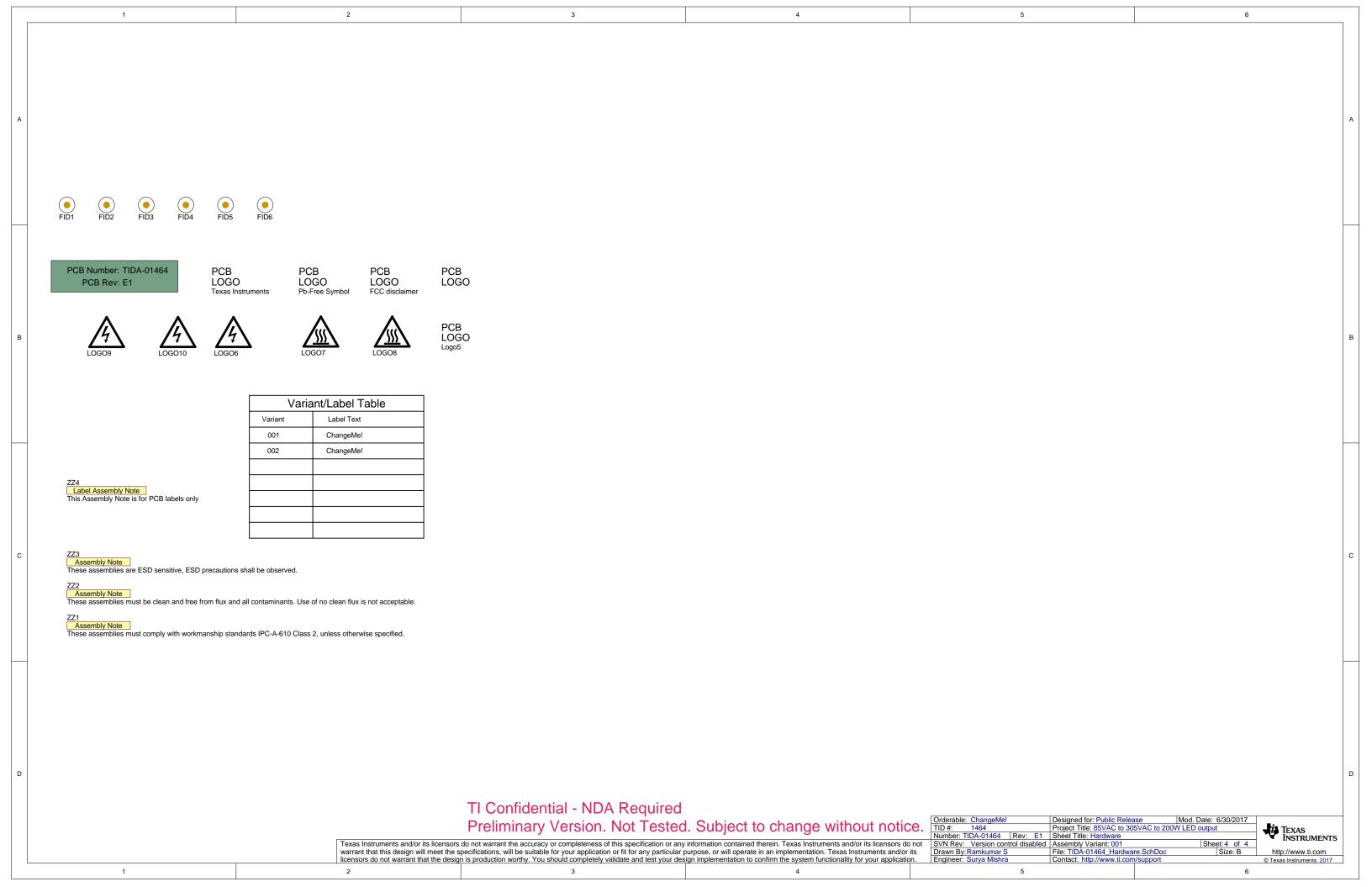
TID #: 1464 Project Title: 85VAC to 305VAC to 200W LED output

Number: TIDA-01464 Rev: E1 Sheet Title:

SVN Rev: Version control disabled Assembly Variant: 001 Sheet: 2 of 3

Drawn By: File: TIDA-01464 PFC stage based on UCC2818(). SizteDBc TEXAS INSTRUMENTS PCB Number: TIDA-01464 Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its PCB Rev: E1 http://www.ti.com licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application. © Texas Instruments 2017 2 3 5





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