Revision History Approved Date Rev ECN# Approved by Notes B/E3 N/A 01/05/2018 JAC N/A DEFAULT SWITCH/JUMPER SETTINGS S3 1..41 ON.ON.OFF (MSP430 IN RESET, TDA2XP I2C MASTER) S4 [1..4] ON,OFF,OFF,ON(CSI-COAX) S5[1..4] ON,OFF,OFF,ON(CSI-COAX) J22 1-2 12V CAMERA J27 1-2 12V RADAR J40 POWER INPUT FROM TDA2XP EVM CHANGE SUMMARY Rev B/E3: Sheet 2: Mirror Q1 for proper orientation. Sheet 5: Move led on 1.1V rail to PG for the buck regulator. Consider no-popping the 3.3V and 1.8V leds since PG led is all inclusive. Change R102 from 220 to 360. Add Q2 BSS138 Sheet 7: PDB_UB960_cam to 3.3V pullup with RC for reset. R couple in MSP control. R22 - 487 R26 - 10K INTB_CAM - Add pullup R186 - 10K Change camera I2C address population option to 0x3D (R21-13.3k,R25-40.2k) Sheet 8: PDB_UB960_radar to 3.3V pullup with RC for reset. R couple in MSP control. R39 - 10K INTB_RADAR - Add pullup R245 Change 25Mhz OSC to connect properly to 3.3V supply. Add L78 - 120 ohm Add C313 - 0.1uF Change radar I2C address values for address 0x36 per TI SW team request (R34-113k, R38-88.7k) Sheet Multiple: NoPop ALL TP except for GND TP41,TP15,TP42,TP40,TP43. Sheet 10-13 Update serial link components per latest datasheet. From 0.018uF to 0.015uF - C249, C264, C279, C294, C206, C207, C226, C227 From ADL3225V-470MT-TL000 to LQH3NPZ100MJRL - L51, L62, L70, L74, L28, L29, L38, L39 Layout Changes 1) Fix silksreen size for eval only. 2) Fix logic text as 518522 3) U1, move the unplugged via out from under the part. 4) Reposition TP5, TP6, TP7 and J11 for easier access. 5) Change the PWB stackup to be symetrical for top/bottom with reference to GND planes. Rev A/E2 looks like the diff pair traces were properly sized but the stackup was not adjusted accordingly on both top and bottom. Per simulations this created about a 5-10 ohm delta in impedance. Text Orderable: EVM orderable Designed for Public Release Mod
TID #: TIDA-01413 Project Title: ADAS Sensor Fusion Board
Number: 518520B Rev: E3 Sheet Title:
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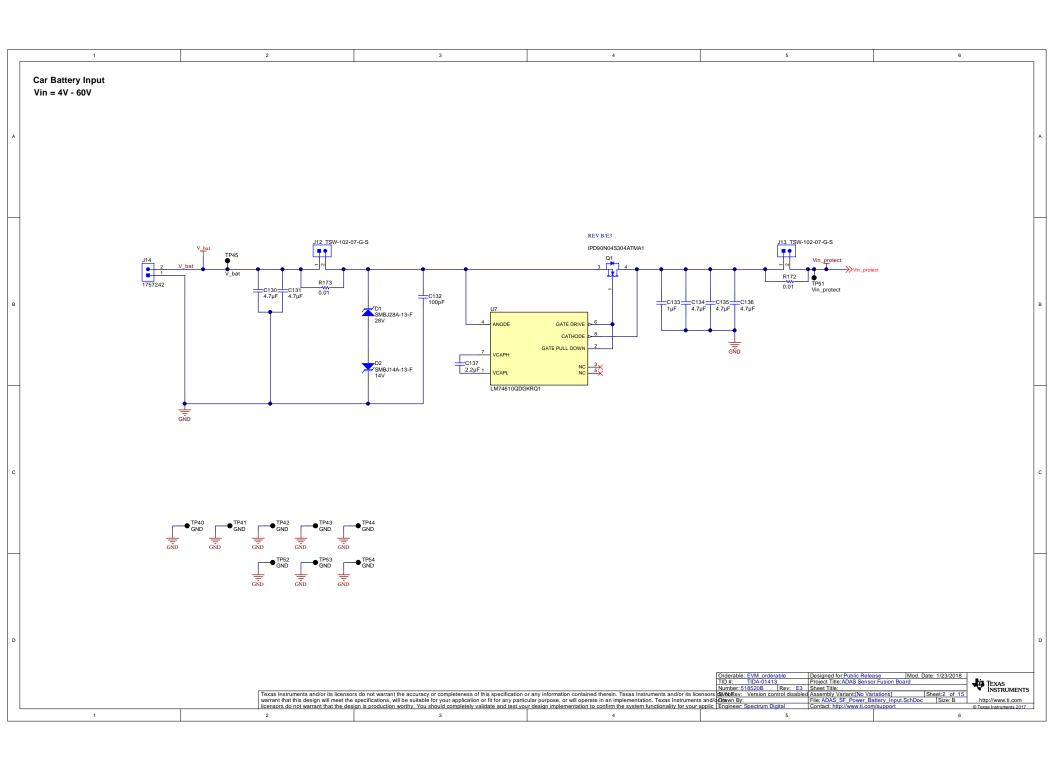
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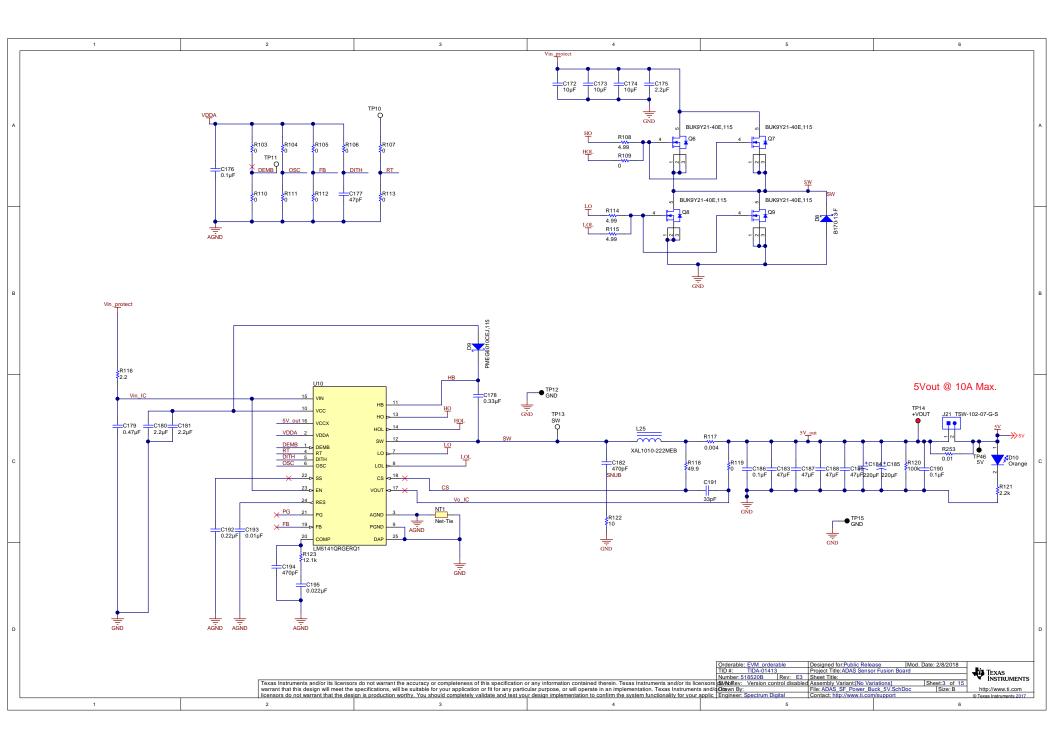
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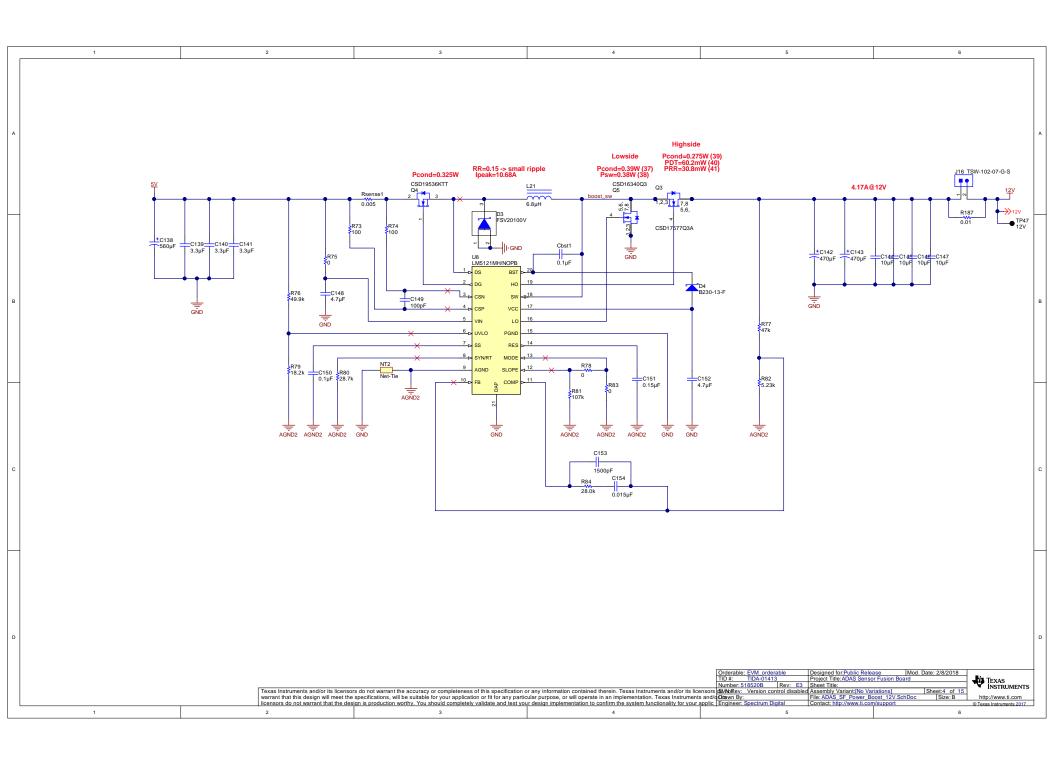
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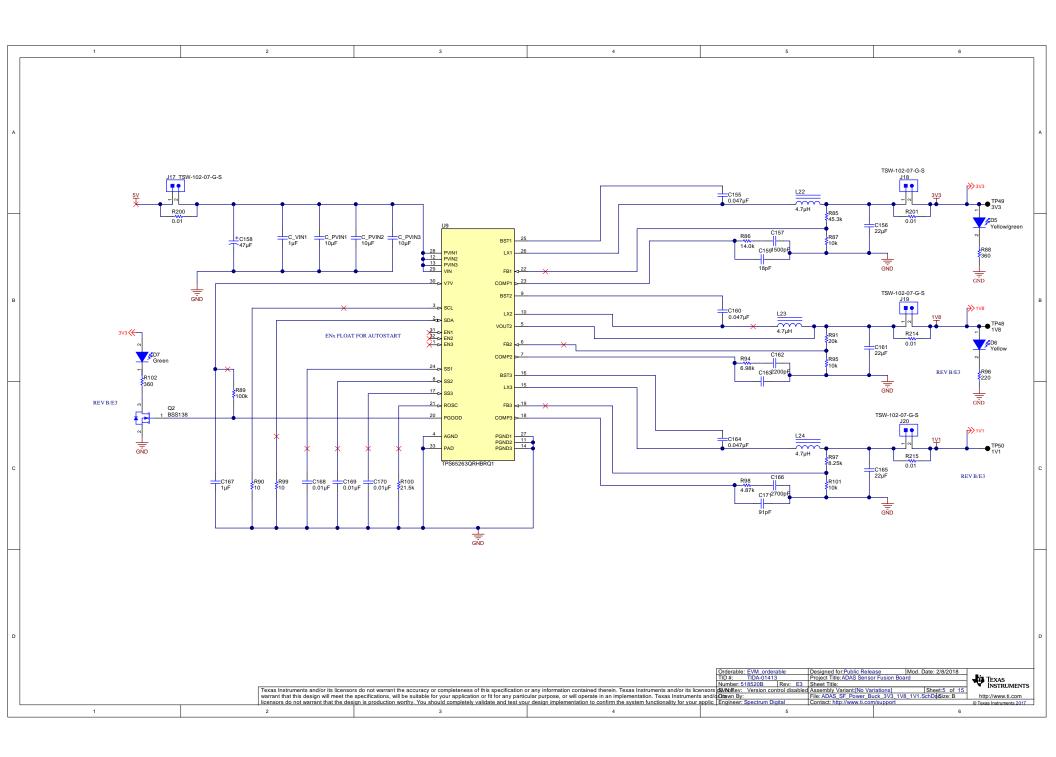
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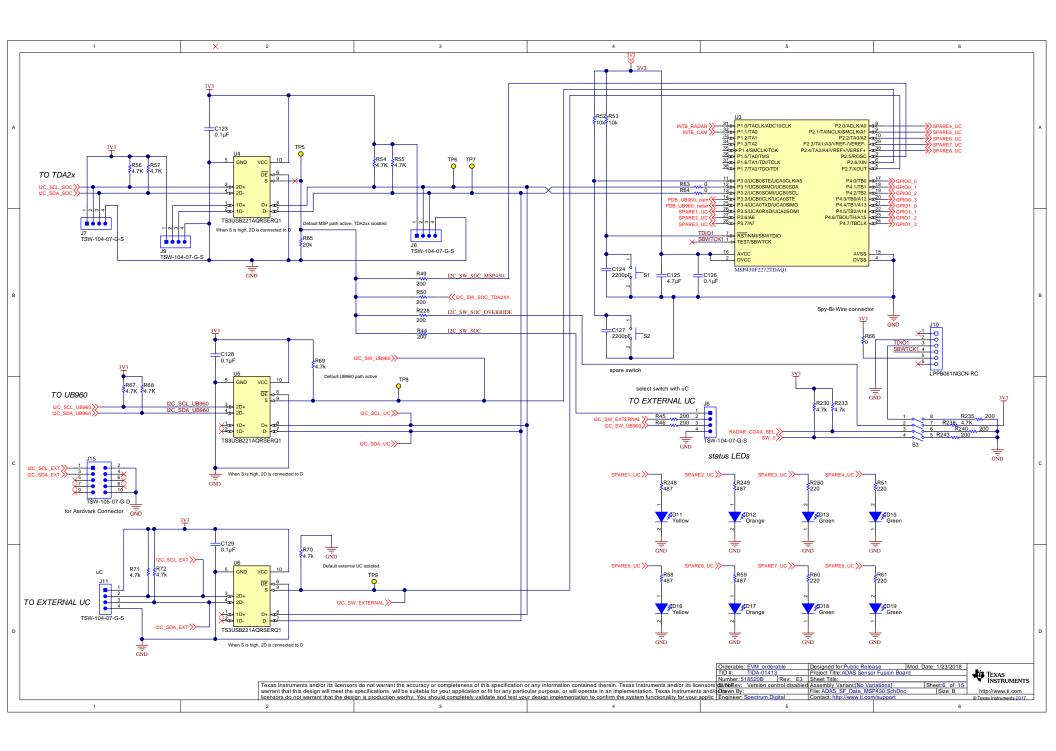
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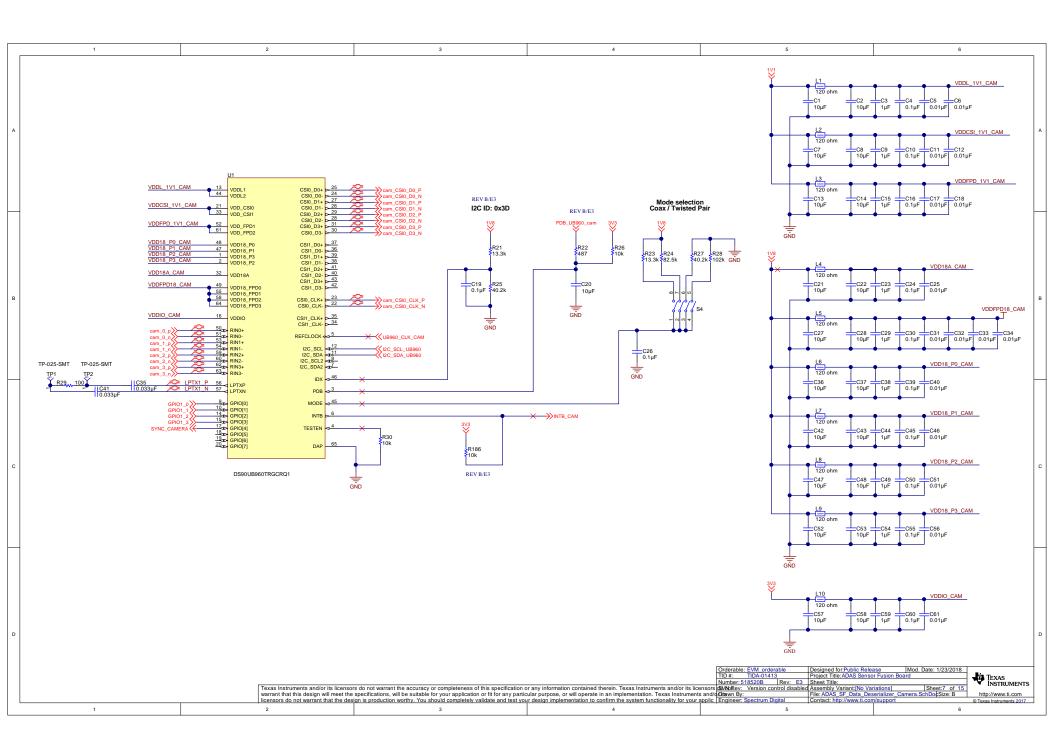


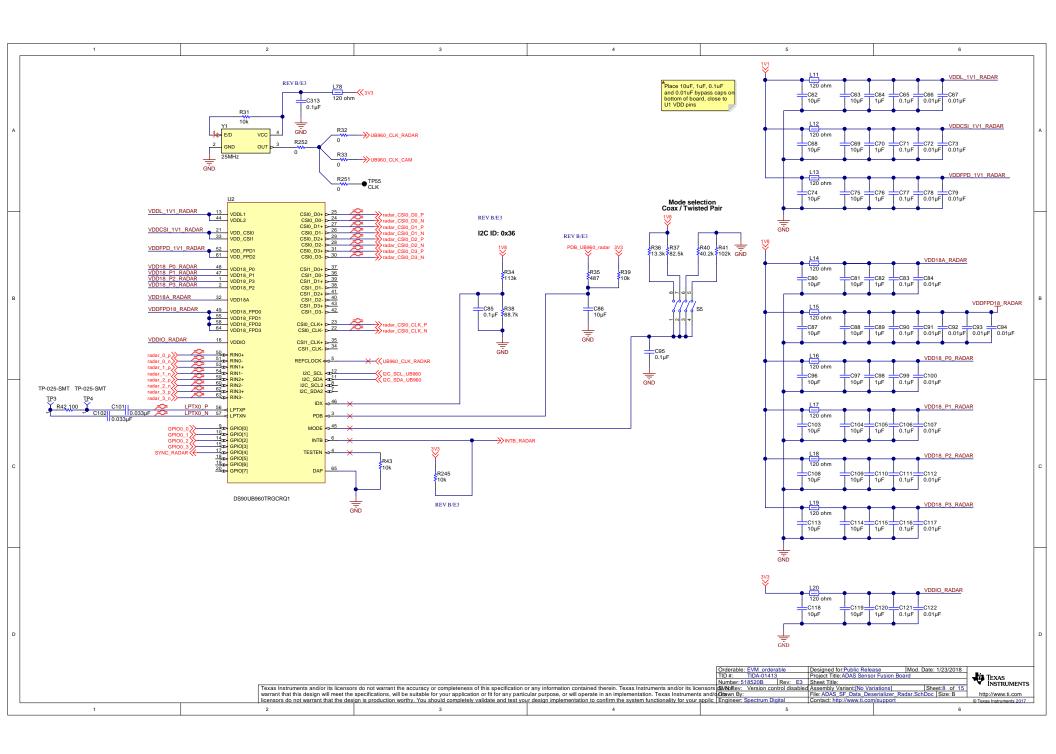


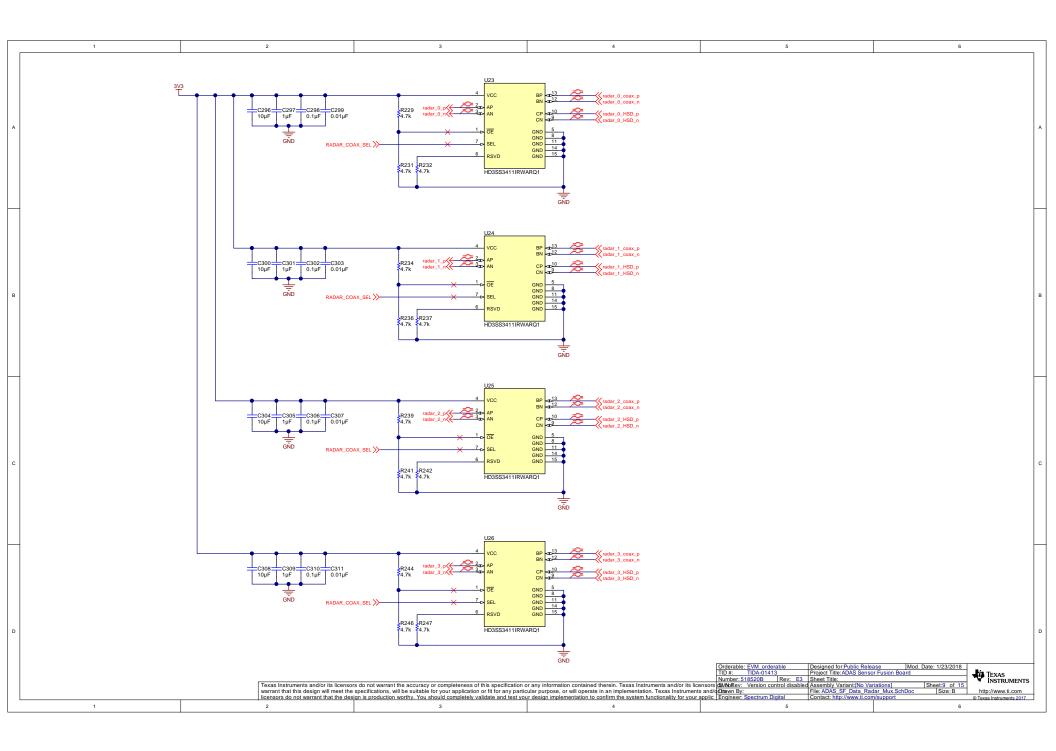


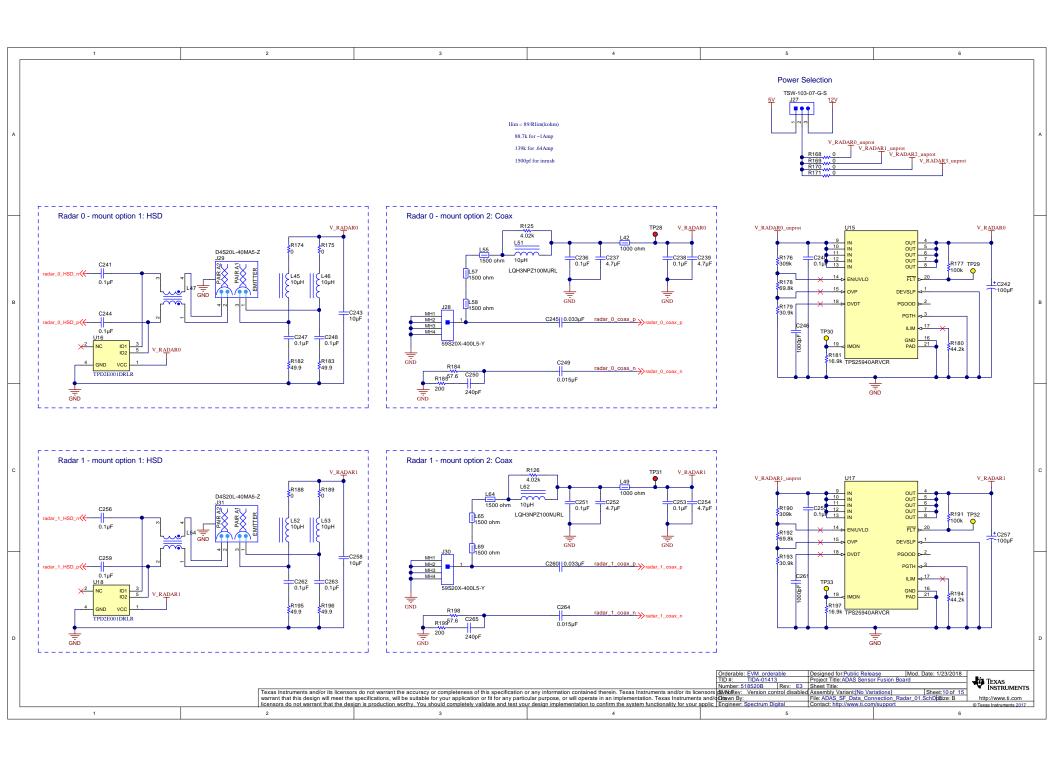


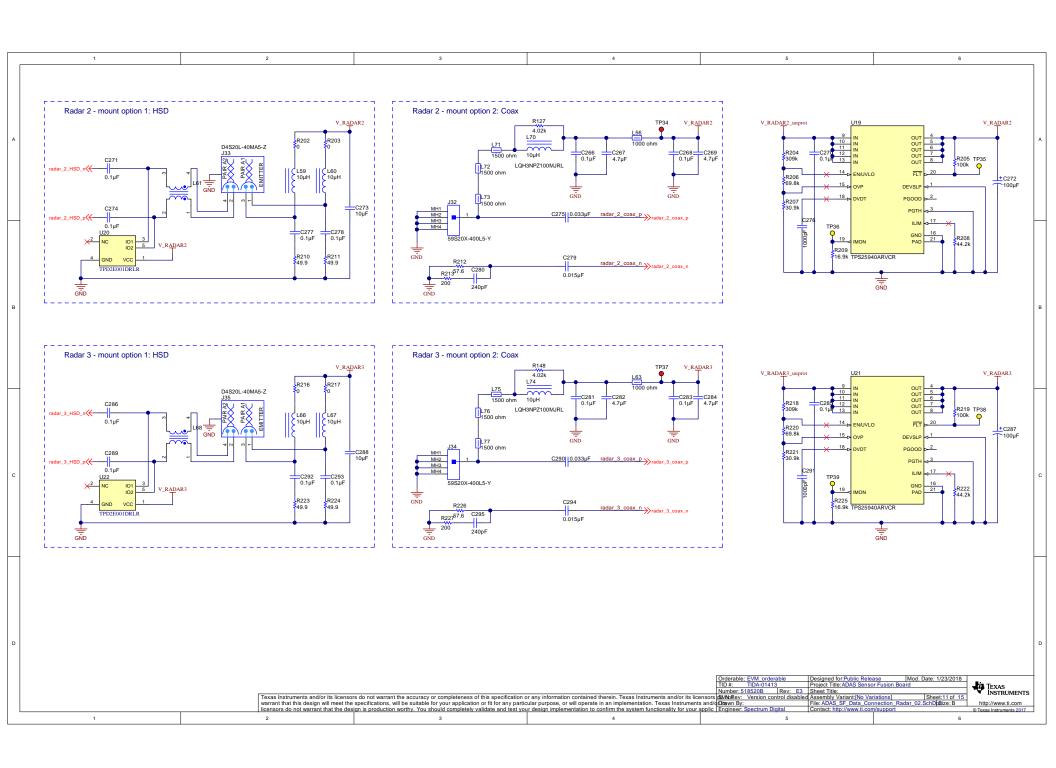


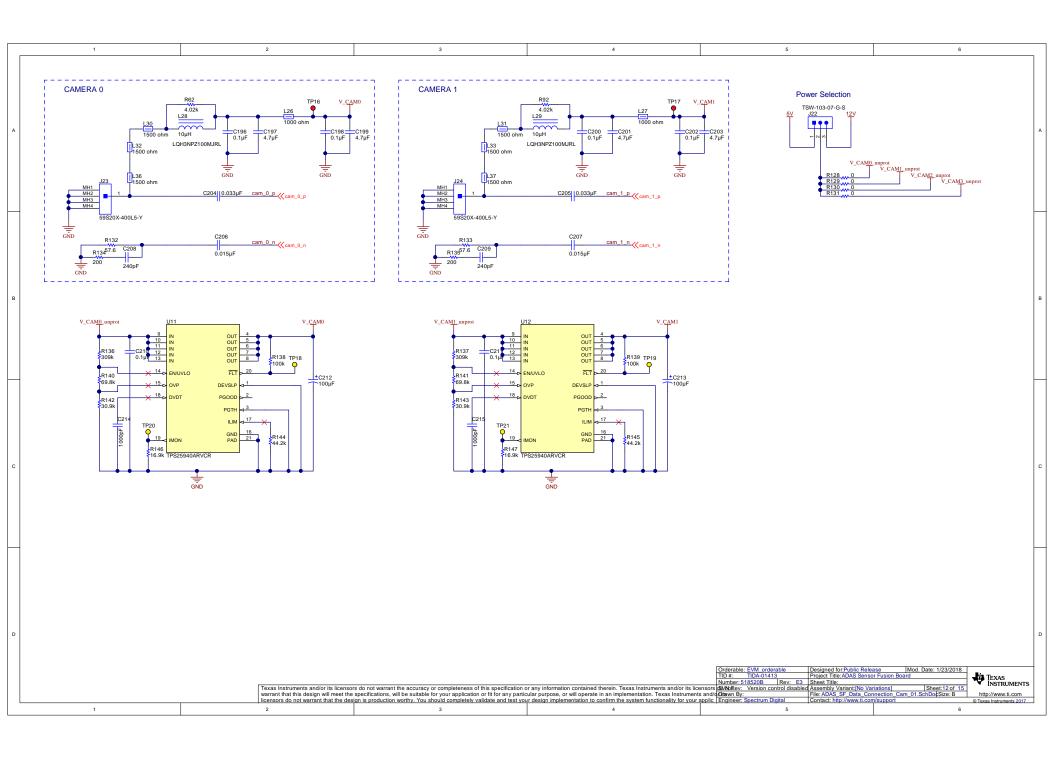


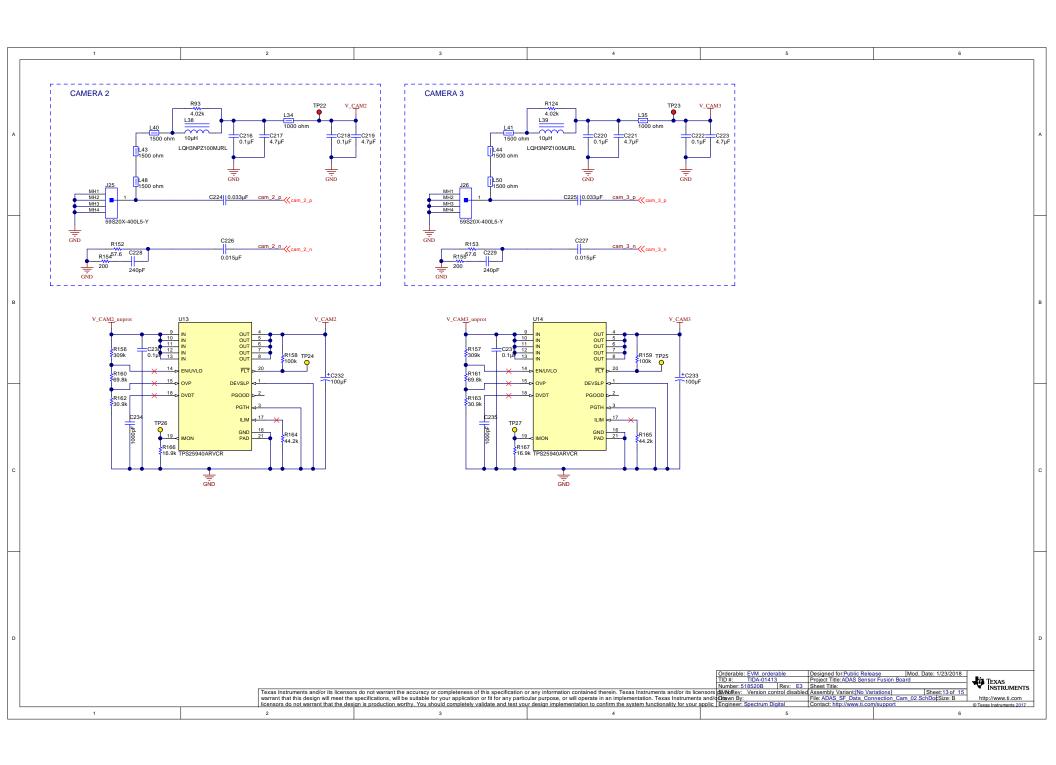


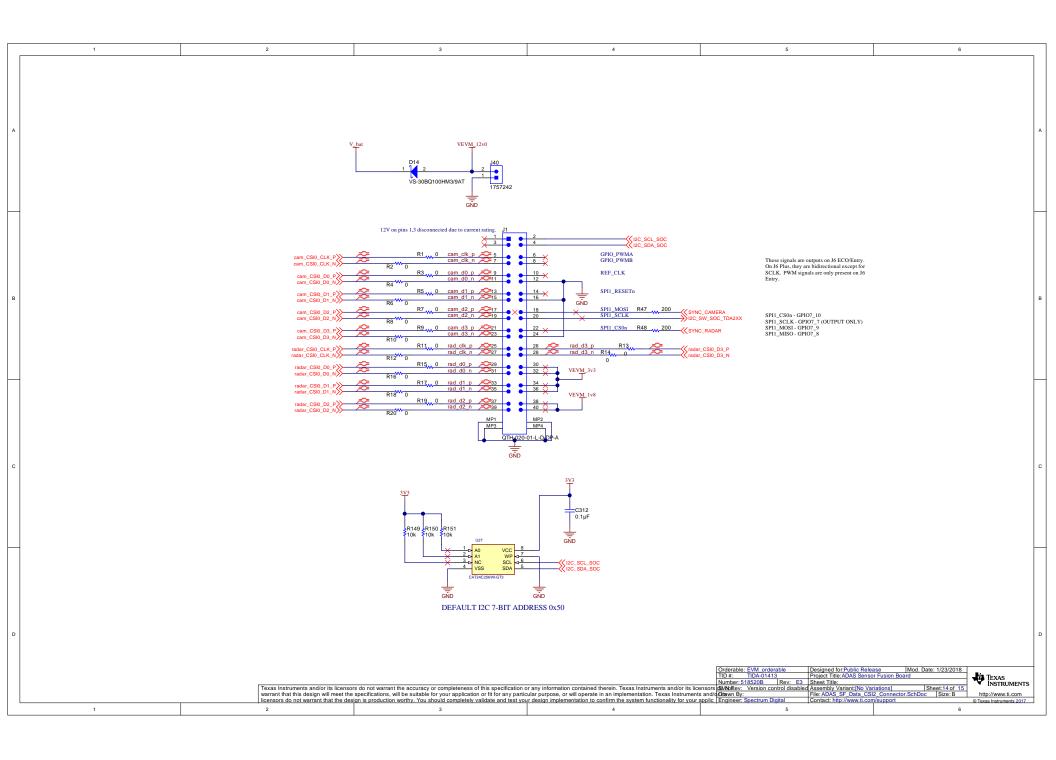


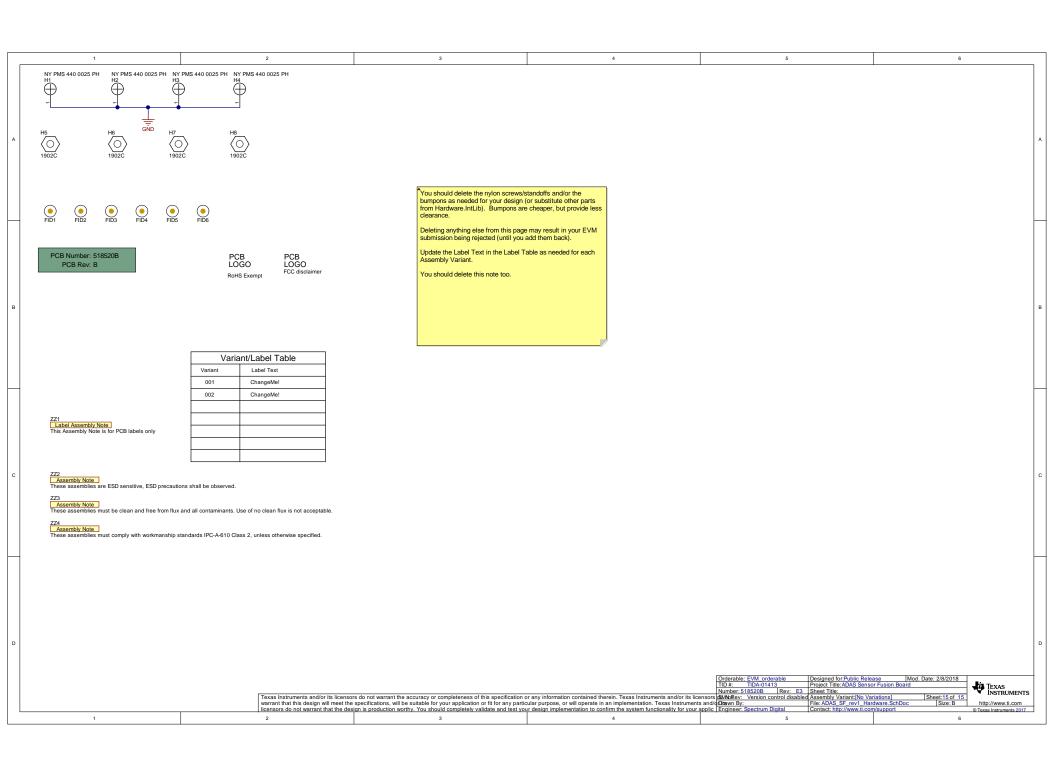












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