

### Rev 1

- Original redraw of the 1053266\_3P\_AA design
- Corrected motor lead pinout
- Corrected programming header pinout.

### Rev 2

- Removed C43 tantalum capacitor and replaced it with 2-3 ceramics.
- Removed ground shorting resistor R6 and changed to a single ground plane design.
- Labeled "Do Not Populate" parts
- Removed C45. Changed Z3 to "DNP"
- Changed R29 and R30 biasing.
- Changed C14 to a 470nF 0402
- Changed C13 to an 0402
- Changed D5 to a 1A component after review with Infineon.
- Moved TVS, Z1, to the front of the Pi filter so that the entire circuit is protected against transients.
- Removed R34, assuming central load dump protection is clamping at or below 35V per Ford EMC spec as reference. Previous WCCAs have deemed this part unnecessary.
- Changed C52 and C5 to an 0402.
- Changed C25, C33 and C41 to 0805, 100V to reduce the type of 0.1uF caps used to just 0805 and 0402.
- Added Lamination filters

### Rev 3

- Add missing trace from C37 to the SL net
- Added optional thermistor circuit to monitor MOSFET temp
- Added optional analog divider circuit to monitor the motor common leads.
- Deleted shorting jumper JMP1
- Deleted C51 (redundant part value)
- Changed R29, R30 and C52 to DNP per Infineon's recommendation

### Rev A

- Final release

COMPRESSED  
IMAGE

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Title

**PLTE1K2WXH1B-01-00 (S4 Boost Pump)**

Size  
A

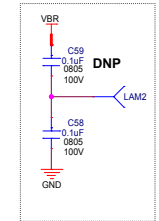
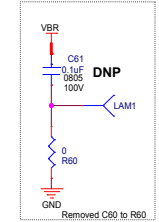
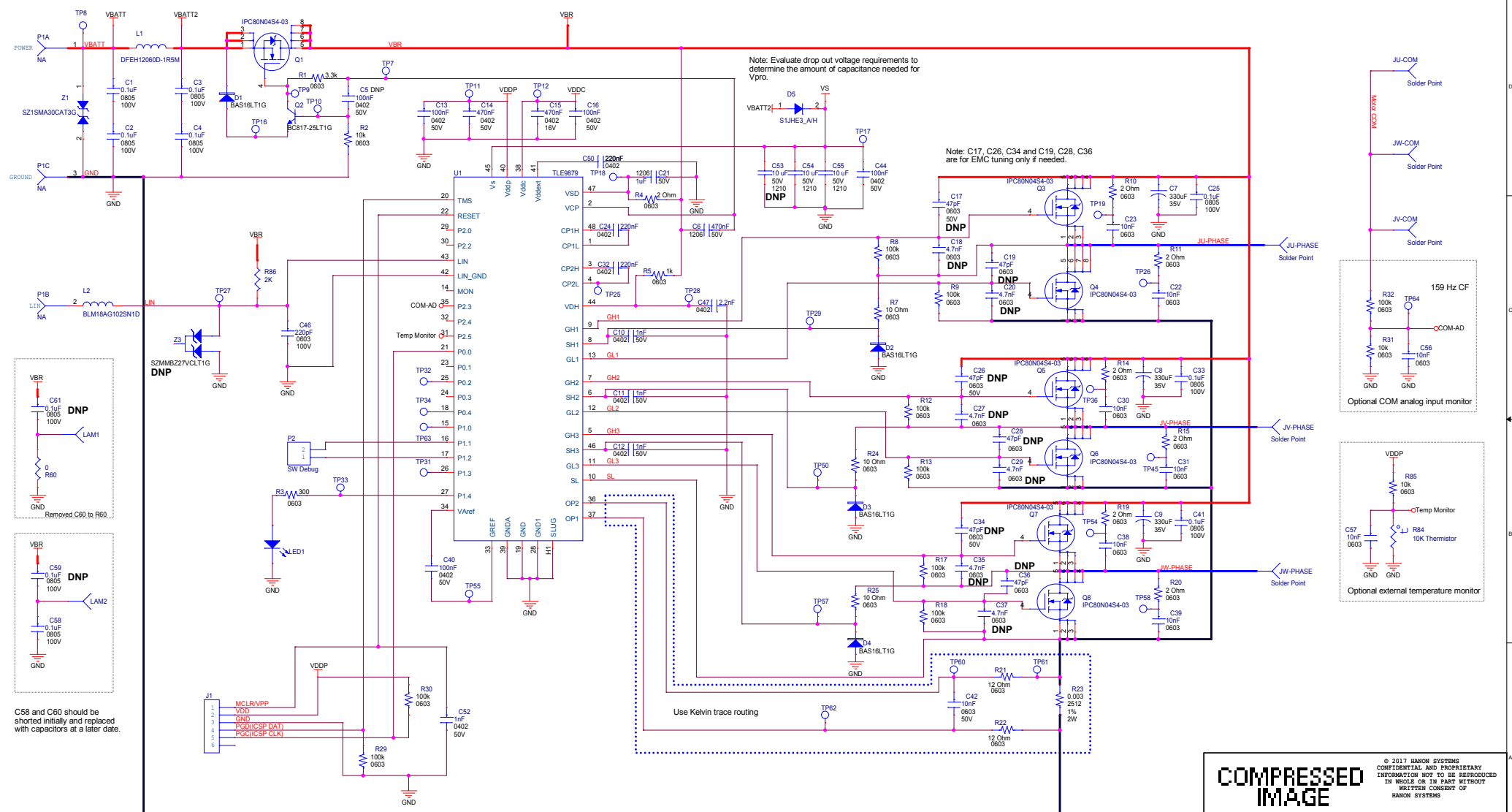
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Designed By  
Alex Lyadski

Rev  
B

Date: Thursday, November 02, 2017

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C58 and C60 should be shorted initially and replaced with capacitors at a later date.

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| Custom | HAN-SBP-0005                       | Alex Lyedski | B            |
| Date:  | Thursday, November 02, 2017        |              | Sheet 2 of 2 |