Power Ground Schematic:

P2 provides way to power local housekeeping supplies from external source. If left unconnected, BAT14 will be automatically connected as source. The switch circuit can be found on the VR page.

The zener diodes are necessary to the system and serve 2 functions:
1. Provide overvoltage protection to the AFE inputs
2. Provide a path for in-rush currents during hot plug-in

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BMS EM1401 Rev A2 (TIDA-00239)

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F1

SSQ 8

F2

SSQ 8

F3

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SSQ 8

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SSQ 8

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SSQ 8

F14

SSQ 8

F15

SSQ 8
SPI termination should be placed at the end of the bus in layout.

Place circuit close to U14

SPI termination should be placed at the end of the bus in layout.

Place crystals and caps as close as possible to part

Place caps as close as possible to part

Place caps as close as possible to part

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