Motor Current Measurement using Hall Sensors

The voltage across Burden is also given as input to the comparators for OC detection.

Note: The SMA Connectors are used to connect to external ADC EVMs.
Currently PVMID is set to 6V and R54 is DNP.
When LP2992 is not used, Mount R54 and Set PVMID = 5V

+5V OutPut

+5V Generation

+2.5V Reference and +1.25V Bias supply

+3.3V Reference and +1.65V Bias supply

This section is not populated for TIDA-00368 Design
Fully differential signal conditioning

Overcurrent Protection
Motor Current Measurement using Hall Sensors

Contact:

http://www.ti.com/support
Motor Current Measurement using Hall Sensors

Project Title: Motor Current Measurement using Hall Sensors

Designed for: Public Release

Assembly Variant: Variant name not interpreted

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Not in version control

SVN Rev: TIDA-00368

Number: Rev: E2

TID #: TIDA-00368

Orderable: N/A

PCB Number:

PCB Rev:

Drawn By:

Engineer:

Sanjay Pithadia

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These assemblies are ESD sensitive, ESD precautions shall be observed.

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

Label Table

<table>
<thead>
<tr>
<th>Variant</th>
<th>Label Text</th>
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<td>001</td>
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<tr>
<td>002</td>
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PCB Number: TIDA-00368
PCB Rev: E2

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