AFE for ADS8688 to increase sensitivity

CT secondary Single ended Input Current (~400mV at maximum current)

CT secondary Differential input Current (~400mV at maximum current)

Op-amp1

Op-amp2

Op-amp3

Op-amp4

Connector to Merging Unit AFE inputs

>1M potential divider output (~400mV at maximum input with protection)

333mV current/voltage sensor output with protection

LM404180 EZ

OPA 180

DC-DC CONVERTER

TPS65131

+5V

DGND

+14V

-14V

Not in version control

SVN Rev:

TIDA-00493

Number: Rev: E2

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Engineer: Sreenivas
Drawn By:

Chessis ground

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Engineer: Sreenivas

Not in version control
SVN Rev: 5/12/2015

size: 6 8

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LOGO

Label Table

<table>
<thead>
<tr>
<th>Variant</th>
<th>Label Text</th>
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</thead>
<tbody>
<tr>
<td>001</td>
<td>ChangeMe!</td>
</tr>
<tr>
<td>002</td>
<td>ChangeMe!</td>
</tr>
</tbody>
</table>

*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.*
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