Analog Input Module with Monitoring/Diagnostic Features

Project Title: Designed for: Public Release

Assembly Variant: [No Variations]

Contact: http://www.ti.com/support

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Revision History

<table>
<thead>
<tr>
<th>Revision</th>
<th>Notes</th>
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<tbody>
<tr>
<td>v1.0</td>
<td>Initial Version</td>
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TIDA-00548

Sheet Title:

Size:

Mod. Date: 9/14/2016

File: TIDA_00548_CoverSheet.SchDoc

http://www.ti.com

Drawn By: Lars Lotzenburger

Engineer: Lars Lotzenburger

TID #:

Orderable: N/A

Revision: E2

Number: 0

Version control disabled

TIDA-00548

Block Diagram

PMIC TPS65381

Reference REF5030

24VDC

Sensor Transmitter

Protection

ILIM

ADC ADS1263

Vin ADS_REF

Opamp TLV333

Opamp INA826

Logic LVC3G07

Hercules RM41L232

Isolation ISO7141FCC

Switch TPS27082

VDD

DIAG

3.3V

3.3V

1.2V

5.0V

5.0V

Vim=7.8V

Push-Pull SN6501

ERROR
Analog Input Module with Monitoring/Diagnostic Features

PCB Number: TIDA-00548
PCB Rev. E2
TIDA-00548_TID_Hardware.SchDoc
Sheet Title:
Size: 6/15/2016
File: TIDA_00548_TID_Hardware.SchDoc
Mod. Date: 6/15/2016

Sheet:
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Version control disabled
SVN Rev: TIDA-00548
Number: Rev: E2
TID #: TIDA-00548
Orderable: N/A

Assembly Note
ZZ1
These assemblies are ESD sensitive, ESD precautions shall be observed.

Assembly Note
ZZ2
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

Assembly Note
ZZ3
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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<tr>
<td>001</td>
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Label Text:
Pb-Free Symbol

PCB
LOGO
Texas Instruments

PIMH101
COMH1
PIMH201
COMH2
PIMH301
COMH3
PIMH401
COMH4
COSH0J1
COZZ1
COZZ2
COZZ3

COFID1 COFID2 COFID3
COH1 COH2
COLogo1 COLogo2

COFID1 COFID2 COFID3

COFID1 COFID2 COFID3
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