IEXC1_Ch1

IEXC2_Ch1

Ch2

Ch3

Ch4

-An0
-An1
-An2
-An3
-An4
-An5
-An6
-An7

24 bit ΔΣ ADC
ADS1248

I2C Interface

Control Lines

SPI Interface

SPI, I2C Interface

Connector

I2C

2 LEDs: RTD channel indication (binary)

LDO

TPS7A163DGNR

VDC

GND

+3.3V

Power Supply Connector

VDC

GND

Block Diagram

10/8/2014

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

AFE FOR 4-CHANNEL RTD INPUTS

Project Title: Designed for: Public Release

Assembly Variant: 001

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Drawn By: Engineer: Prahlad Supeda

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PCB Number: TIDA-00110
PCB Rev: E1

LOGO

PCB Label

BL1

ZZ4
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ2
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

Fiducials

Mounting Holes

PCB Number: TIDA-00110
PCB Rev: E1

LOGO

PCB Label

BL1

ZZ4
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ2
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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