Discrete SBC Boost Buck

Project Title:

Designed for:

Public Release

Assembly Variant:

001

Contact:

http://www.ti.com/support

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Version control disabled

SVN Rev:

TIDA-01429

Number:

Rev:

E1

TID #: TIDA-01429

Orderable: N/A

Revision History

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C2000 Power Connections - TMS320F29030Q

Low = 1.8V Internal Regulator Enabled

John Griffith

http://www.ti.com/support

C2000 Peripheral Connections - TMS320F28030Q

Mode Selection DIP Switches

Status LEDs

LED Currents set to 10mA
Blue: Error Indicator
Green: Bus Off Condition
Red: MDU Heartbeat
Yellow: Master Headbeat

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Revisit Battery Protection and Conducted Emissions Filter

Level Shifting Sync Clock for Boost

3.3V 150mA LDO for C2000

Automotive, 65V Wide VIN, adjustable, Asynchronous Boost Controller

Automotive, 42V Wide VIN, adjustable, 1.5 Amp, Asynchronous Buck Converter

5MBPS CAN FD Transceiver with I/O Level Shifting in DFN Package

External Connector - Female, 9-Pin, DSUB, R/A

Load Resistor
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