80W Boost Converter using TPS40210

(ACTIVE) PMP5702

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Description

80W non synchronous boost converter to generate 32V out of 24V

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Top view

Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP5702
Vin (Max) (V)	28
Vin (Min) (V)	20
Vout (Nom) (V)	32
Iout (Max) (A)	2.5
Output Power	80
Isolated/Non-Isolated	Non-isolated
Input Type	DC
Topology	Boost- Non Sync

TI Devices (1)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS40210	Wide Input Range Current Mode Boost Controller	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40210	HVSSOP (DGQ) | 10	Download	Download
	VSON (DRC) | 10	Download	-

Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

Step 1: Download and install the Ultra Librarian software ZIP: 62MB

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5702 Test Results		PDF	283	15 Aug 2011	18

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5702 BOM		PDF	29	03 Aug 2011	22
PMP5702 Schematic		PDF	47	03 Aug 2011	39

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