24V @ 4A Boost with TPS40210

(ACTIVE) PMP4741

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Description

100W lowest profile boost converter to supply sensitive, but constant RF load

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP4741
Vin (Max) (V)	14.5
Vin (Min) (V)	13.5
Vout (Nom) (V)	24
Iout (Max) (A)	4
Output Power	96
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Boost- Non Sync

TI Devices (2)

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
UCC27324	Dual 4 A Peak High Speed Low-Side Power MOSFET Drivers	AC/DC and Isolated DC/DC Power Supply	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	-
UCC27324	SOIC (D) | 8	Download	Download
	HVSSOP (DGN) | 8	Download	Download
	WSON (DSD) | 8	Download	-
	PDIP (P) | 8	Download	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

Step 2: Download the Symbol and Footprint .bxl file.

- read more -

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4741 Test Results		PDF	200	18 Nov 2011	28

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4741 BOM		PDF	30	18 Nov 2011	28
PMP4741 Schematic		PDF	60	18 Nov 2011	50

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- PMP9357.5
- PMP6523
- PMP9357.4

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