Sync buck (16V@12A)

(ACTIVE) PMP4590.1

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Description

This interleaved Buck converter can be configured as single output (interleaved) or dual output. The board has the extention feature to drive a slave unit.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

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Parametrics

	PMP4590.1
Vin (Max) (V)	26
Vin (Min) (V)	22
Vout (Nom) (V)	16
Iout (Max) (A)	12
Output Power	192
Isolated/Non-Isolated	Non-isolated
Input Type	DC
Topology	Buck- Synchronous

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS40140	Stackable 2 Channel Multiphase or 2 Channel Independent Output Controller	DC/DC Switching Regulator	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40140	VQFN (RHH) | 36	Download	-

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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
PMP4590 Test Results		PDF	1594	15 Aug 2011	15

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4590 BOM		PDF	35	01 Aug 2011	23
PMP4590 Schematic		PDF	123	01 Aug 2011	25

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