

(ACTIVE) PMP7315

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Description

The PMP7316 reference design uses the LM5017 to generate a 24V output at 100 mA. The inductor has reinforced isolation and the input voltage range is from 18V to 30V DC.

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i 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

	PMP7315
Vin (Max) (V)	30
Vin (Min) (V)	18
Vout (Nom) (V)	24
Iout (Max) (A)	.1
Output Power	2.4
Isolated/Non-Isolated	Isolated
Input Type	DC
Topology	Flybuck

TI Devices (3)

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
LM5017	7.5-100V Wide Vin, 600mA Constant On-Time Synchronous Buck Regulator	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules
LM5018	7.5-100V Wide Vin, 300mA Constant On-Time Synchronous Buck Regulator	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules
LM5019	7.5-100V Wide Vin, 100mA Constant On-Time Synchronous Buck Regulator	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package Pins	CAD File (.bzl)	STEP Model (.stp)
LM5017	 HSOP (DDA) 8	Download	Download
	 WSON (NGU) 8	Download	Download
LM5018	 HSOP (DDA) 8	Download	Download
	 WSON (NGU) 8	Download	Download
LM5019	 HSOP (DDA) 8	Download	Download
	 WSON (NGU) 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.

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP7315 Test Results		PDF	1468	18 Jan 2012	24

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP7315 BOM		PDF	27	18 Jan 2012	19
PMP7315 Schematic		PDF	49	18 Jan 2012	30

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- PMP4742.7