

(ACTIVE) PMP4414

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Description

The PMP4414 is a 24Vin +15Vout 83mA, -15Vout 50mA, 2W reference design module which is implemented in an industry standard SIP pinout. It includes a constant on-time synchronous Flyback controller LM25017. The solution has high efficiency, good line and load regulation with 1,500V DC isolation. The power module was designed with minimized components for cost sensitive applications. PMP4394, PMP4401, PMP4412-PMP4415 have the same pinout and can be replaced by each other without modification.



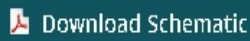
i Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Features

- Flyback™ topology with 1,500V DC isolation
- High efficiency
- Good line and load regulation
- Low cost solution with minimized component numbers
- Industry standard Pinout
- Size: 19.8 X 9 X 5.8mm

Schematic/Block Diagram

Quickly understand overall system functionality.



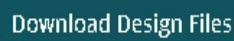
Test Data

Get results faster with test and simulation data that's been verified.



Design Files

Download ready-to-use system files to speed your design process. [Get Viewer.](#)



Bill of Materials (BOM)

Find the complete list of components in this reference design.

TI Devices (1)

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

CAD/CAE symbols

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 (2)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP4414 Test Results		PDF	561	21 Oct 2014	5
 SIP Module for P2P Replacement		PDF	134	23 Sep 2014	22

Design Files (3)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4414 Gerber		ZIP	145	21 Oct 2014	7
 PMP4414 BOM		PDF	114	21 Oct 2014	9
PMP4414 Schematic		PDF	25	21 Oct 2014	15

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