



144VAC - 253VAC Vin, 10.5W Quasi-Resonant Flyback

(ACTIVE) PMP8735



Description & Features



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Description

The PMP8735 reference design uses the LM5023 quasi-resonant flyback controller to generate 5V@2.1A from an input voltage of 144VAC to 253VAC.

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

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
LM5023	AC-DC Quasi-Resonant Current Mode PWM Controller	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	View Design Kits & Evaluation Modules
LMV431	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators	Voltage Reference	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
LMV431	TO-92 (LP) 3	Download	Download
	SOT (DBV) 5	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
PMP8735 Test Results		PDF	791	28 Mar 2014	171

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8735 BOM		PDF	105	28 Mar 2014	191
PMP8735 Schematic		PDF	132	28 Mar 2014	178

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