



8W Primary-Side Regulated Flyback using UCC28700

(ACTIVE) PMP8632



Description & Features



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Description

This design is a primary side regulated flyback (optocoupler-less) with secondary side synchronous rectification and an input voltage range of 85VAC to 240VAC. It delivers an output of 5.0V@1.6A.

Bill of Materials (BOM)

Find the complete list of components in this reference design.



Download BOM

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
CSD18504Q5A	40V, N-Channel NexFET™ Power MOSFET	Power MOSFET	Sample & Buy	Not Available
UCC24610	Secondary Side Synchronous Rectifier Controller	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	View Design Kits & Evaluation Modules
UCC28700	Constant-Voltage, Constant-Current PWM With Primary-Side Regulation	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)
UCC24610	SOIC (D) 8	Download	Download
	VSON (DRB) 8	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
PMP8632 Test Results		PDF	1099	26 Feb 2014	163

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8632 BOM		PDF	103	26 Feb 2014	178
PMP8632 Schematic		PDF	64	26 Feb 2014	171

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