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70W PFC LED Bus Voltage Generator

(ACTIVE) PMP4625

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Description

The PMP4625 is an isolated single-stage PFC flyback. The voltage loop is closed to the secondary side and supplies a constant 50V @ 1.4A bus voltage for LED applications. The input voltage is 180Vac to 265Vac

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP4625
Vin (Max) (V)	265
Vin (Min) (V)	180
Vout (Nom) (V)	50
Iout (Max) (A)	1.4
Output Power	70
Isolated/Non-Isolated	Isolated
Input Type	AC
Topology	Flyback- PFC

TI Devices (2)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TL431	Adjustable Precision Shunt Regulator	Voltage Reference	Sample & Buy	Not Available
UCC28810	LED Lighting Power Controller	LED Driver	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
TL431	SOT (DBZ) 3	Download	Download
	TO-92 (LP) 3	Download	Download
	SIP (PK) 3	Download	-
	SOT (DBV) 5	Download	Download
	SOT (DCK) 6	Download	Download
	SOIC (D) 8	Download	Download
	PDIP (P) 8	Download	Download
	SOP (PS) 8	Download	-
	TSSOP (PW) 8	Download	-
UCC28810	SOIC (D) 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
PMP4625 Test Results		PDF	438	19 Oct 2011	24

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4625 BOM		PDF	30	19 Oct 2011	23
PMP4625 Schematic		PDF	86	19 Oct 2011	34

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