Multi-Transformer 2x25V (50V@700mA)

(ACTIVE) PMP5660.2

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Description

From universal input to two strings LED @ 700mA, 50V maximum per string, this PMP5660 offers high efficiency even with a two stage solution: PFC TM Boost and multi-transformer LLC resonant. A TLC555 provides a internal PWM dimming function.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP5660.2
Vin (Max) (V)	50
Vin (Min) (V)	390
Vout (Nom) (V)	50
Iout (Max) (A)	.7
Output Power	35
Isolated/Non-Isolated	Isolated
Input Type	DC
Topology	Half Bridge- LLC

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
TLC272A	LinCMOS(TM) Precision Dual Operational Amplifier	Operational Amplifier (Op Amp)	Sample & Buy	View Design Kits & Evaluation Modules
UCC25600	8-Pin High-Performance Resonant Mode Controller	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	View Design Kits & Evaluation Modules
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)
TLC272A	SOIC (D) | 8	Download	Download
	PDIP (P) | 8	Download	Download
	SOP (PS) | 8	Download	-
UCC25600	SOIC (D) | 8	Download	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.

- read more -

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5660 Test Results		PDF	201	15 Aug 2011	29

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5660 BOM		PDF	32	03 Aug 2011	58
PMP5660 Schematic		PDF	127	03 Aug 2011	70

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