24V input to 14V@6A, Non Sync Buck LED Driver

(ACTIVE) PMP7761

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Description

It is a High current Non Synchronous buck DC-DC LED driver. The LM3409 uses Constant Off-Time (COFT) control to regulate an accurate constant current without the need for external control loop compensation. Analog and PWM dimming are easy to implement and result in a highly linear dimming range with excellent achievable contrast ratios. Programmable UVLO, low-power shutdown, and thermal shutdown complete the feature set.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP7761
Vin (Max) (V)	24
Vin (Min) (V)	24
Vout (Nom) (V)	14
Iout (Max) (A)	6
Output Power	84
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck- Non Sync

TI Devices (2)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
LM3409	PFET Buck Controller for High Power LED Drives	LED Driver	Sample & Buy	View Design Kits & Evaluation Modules
LM3409-Q1	PFET Buck Controller for High Power LED Drives	LED Driver	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
LM3409	HVSSOP (DGQ) | 10	Download	Download

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Step 1: Download and install the Ultra Librarian software ZIP: 62MB

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP7761 Test Results		PDF	538	06 Jan 2012	22

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP7761 BOM		PDF	80	06 Jan 2012	23
PMP7761 Schematic		PDF	202	06 Jan 2012	40

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