

SEPIC (13.5 - 18.0V @ 1.2A) for LED Drivers

(ACTIVE) PMP4729

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Description

PMP4729 is a wide input voltage range (80/24V) LED driver for automotive application. It supplies a string of 3-4 LEDs (13.5 .. 18V) with a current of 1.2A. The converter with TPS40211 is in sepic configuration, has a dimming input (100..200 Hz PWM) and additional circuitry for input protection (transient protection, active reverse polarity protection).

TI Devices (1)

Get more information on the TI products in this reference design

Part Number	Name	Product Family
TPS40211	Wide Input Range Current Mode Boost Controller	LED Driver

Bill of Materials

Find the complete list of components in this reference design



CAD/CAE Symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40211	 HVSSOP (DGG) 10	Download	Download
	 VSON (DRC) 10	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 .bzl file.

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP4729 Test Results		PDF	634	12 Nov 2010	218

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4729 Schematic		PDF	108	12 Nov 2010	229
 PMP4729 BOM		PDF	28	12 Nov 2010	209

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Videos

Power Tip 58: Power supply grounding; which camp are you in?

In this power tip video senior applications engineer, Robert Kollman, discusses different methods for grounding power supply.

Posted: 27-Oct-2013
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