Automotive Buck with TL5001A-Q1

(ACTIVE) PMP4744

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Description

automotive lowest cost buck converter generating 5V @1A w/ TL5001A

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP4744
Vin (Min) (V)	8
Vin (Max) (V)	40
Vout (Nom) (V)	5
Iout (Max) (A)	1
Output Power	5
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck- Non Sync

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TL5001A	PWM Controller with Wide Input Voltage Range	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TL5001A	SOIC (D) | 8	Download	Download
	PDIP (P) | 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

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4744 Test Results		PDF	810	21 Nov 2011	18

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4744 BOM		PDF	30	21 Nov 2011	19
PMP4744 Schematic		PDF	63	21 Nov 2011	27

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