5V Input, 3.3V/2A and 1V/2A Dual Buck Converter

(ACTIVE) PMP4035

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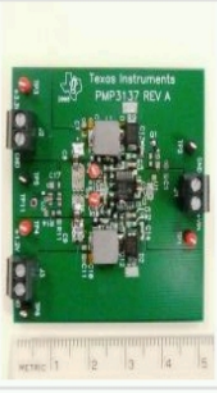

Description

This reference design uses the TPS54386 dual buck converter to generate 3.3V and 1V outputs from a 5V input. Both outputs can deliver up to 2A. With ceramic output capacitors, this design offers a low cost and compact solution.

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Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP4035
Vin (Max) (V)	5.5
Vin (Min) (V)	4.5
Vout (Nom) (V)	3.3
Iout (Max) (A)	2
Output Power	6.6
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck- Non Sync

TI Devices (1)

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
TPS54386	4.5V to 28V Input, Dual 3A Outputs, 600kHz Step-Down Converter with Internal Compensation	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS54386	HTSSOP (PWP) | 14	Download	Download

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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
PMP4035 Test Results		PDF	1199	04 Jun 2012	22

Design Files (4)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4035 Gerber		ZIP	110	04 Jun 2012	11
PMP4035 PCB		PDF	65	04 Jun 2012	15
PMP4035 BOM		PDF	26	04 Jun 2012	24
PMP4035 Schematic		PDF	56	04 Jun 2012	24

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