12V Input, Dual Output (5V/3A & 3.3V/3A) Buck Converter

(ACTIVE) PMP4961

Description & Features | Technical Documents | Support & Community

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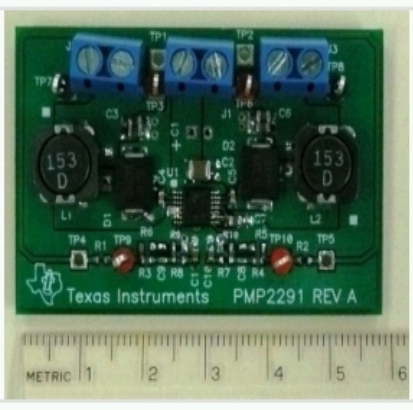
Description

The PMP4961 design offers a low cost and efficient solution for 12V systems that require both a 5V and 3.3V rail. This design uses only ceramic output capacitors for reduced size and improved reliability.



Top view

TI Devices (1)

Get more information on the TI products in this reference design.

Part Number	Name	Product Family
TPS54383	4.5V to 28V Input, Dual 3A Outputs, 300kHz Step-Down Converter with Internal Compensation	Converter (Integrated Switch)

Bill of Materials

Find the complete list of components in this reference design.

Download BOM

CAD/CAE Symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS54383	HTSSOP (PWP) | 14	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 (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4961 PCB		PDF	59	13 Jan 2012	251
PMP4961 Test Results		PDF	1536	13 Jan 2012	210

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4961 BOM		PDF	26	13 Jan 2012	219
PMP4961 Schematic		PDF	53	13 Jan 2012	254

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

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