

Tiny synchronous buck converter in TO-220 size

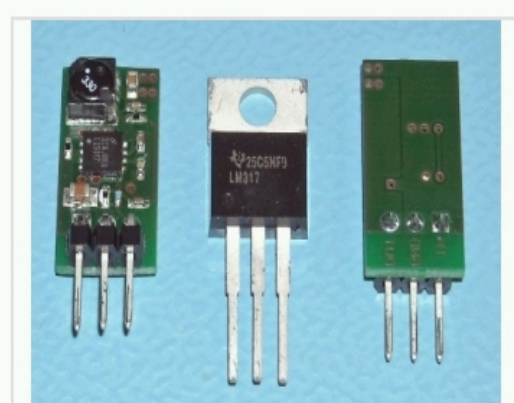
(ACTIVE) PMP8581

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Description

This design is a tiny synchronous buck converter which can be used either for 3.3V or 5.0V output voltage and a maximum current of 600mA. It has the same size like a TO-220 package and can directly replace linear regulators like the well-known μ A7805.



Synchronous Buck Converter Reference Design Board

TI Devices (1)

Get more information on the TI products in this reference design

Part Number	Name	Product Family
LM25017	48V, 650mA Wide Vin Synchronous Step-down Regulator with Integrated MOSFETs	Converter (Integrated Switch)

Bill of Materials

Find the complete list of components in this reference design



CAD/CAE Symbols

Part #	Package Pins	CAD File (.bzl)	STEP Model (.stp)
LM25017	 HSOP (DDA) 8	Download	Download
	 WSON (NGU) 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](#)

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
 PMP8581 Test Results		PDF	1525	19 Sep 2013	26

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP8581 BOM		PDF	30	19 Sep 2013	25
PMP8581 Schematic		PDF	70	19 Sep 2013	29

Related Tools & Software

Software (1)



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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
Duration: 3:30
Views: 94

Tags: power tip, power management, power reference designs, powerlab, power management solutions

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