# 33Vin to 60Vin; 12Vout @ 30A; Dual-Phase Synchronous Buck Converter

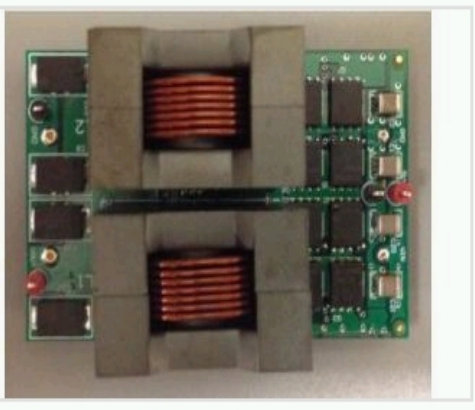
(ACTIVE) PMP7990

Description & Features | Technical Documents | Support & Community

View the Important Notice for TI Designs covering authorized use, intellectual property matters and disclaimers.

## Description

A dual-phase synchronous buck converter accepting an input voltage of 33Vin to 60Vin and providing an output of 12Vout capable of supplying 30A



Dual-Phase Synchronous Buck Converter Reference Design

## TI Devices (1)

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

| Part Number | Name | Product Family |
|---|---|---|
| LM5119 | 65V Wide Vin Dual Synchronous Buck Controller | Controller (External 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) |
|---|---|---|---|
| LM5119 | WQFN (RTV) \| 32 | 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 .bxl file.

- read more -

## Technical Documents

### User Guides (1)

| Title | Abstract | Type | Size (KB) | Date | Views |
|---|---|---|---|---|---|
| PMP7990 Test Results | | PDF | 851 | 22 Oct 2013 | 73 |

### More Literature (2)

| Title | Abstract | Type | Size (KB) | Date | Views |
|---|---|---|---|---|---|
| PMP7990 Bill of Materials | | PDF | 107 | 22 Oct 2013 | 74 |
| PMP7990 Schematic | | PDF | 226 | 22 Oct 2013 | 84 |

## Support & Community

### TI E2E™ Community

TI E2E™ Community

As a member of my.TI you can join the TI E2E™ Community where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See Terms of Use.

**Engage in the Community**

- Amplifiers
- Broadband RF/IF & Digital Radio
- Clocks & Timers
- Data Converters
- DLP® & MEMS
- Interface
- Logic
- Power Management
- Wireless Connectivity

### Wikis

Visit the TI Wiki

### 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:** 323
**Tags:** power tip, power management, power reference designs, powerlab, power management solutions

Search over 1,000 Power Management Reference Designs

**Related Videos**

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

### Other Support

- TI E2E Community
- Contact Technical Support

## Your History

### Products You Recently Viewed

- HIGHEFFPMPDOCK-REF
- PMP8571
- PMP7019.1
- PMP5604
- PMP9146



TI is a global semiconductor design and manufacturing company. Innovate with 100,000+ analog ICs and embedded processors, along with software, tools and the industry's largest sales/support staff.

© Copyright 1995-2013 Texas Instruments Incorporated. All rights reserved.
Trademarks | Privacy Policy | Terms of Use