

[TI Home](#) > [Semiconductors](#) > [Power Management](#) > [Inverter with coupled inductor \(-15@200mA\)](#)

▼ Worldwide (In English)

Inverter with coupled inductor (-15@200mA)

(ACTIVE) PMP5150.2

Description & Features

 Technical Documents Support & Community **Order Now**

i View the [Important Notice for TI Designs](#) covering authorized use, intellectual property matters and disclaimers.

Description

This circuit uses the low-cost TP554160 buck controller in an inverting buck-boost configuration. A coupled inductor is added to create balanced $\pm 15\text{V}$ outputs.

 TI's Standard Terms and Conditions for Evaluation Modules apply.

Parametrics

	PMP5150.2
V _{in} (Min) (V)	9
V _{in} (Max) (V)	28
V _{out} (Nom) (V)	-15
I _{out} (Max) (A)	.2
Output Power	3
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck Boost- 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
TP554160	3.5V to 60V Input, 1.5A Step-Down Converter with Eco-Mode	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package Pins	CAD File (.bzl)	STEP Model (.stp)
TPS54160	HVSSOP (DGQ) 10	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.

[- read more -](#)

Support & 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



Leading source for power reference designs

TI's industry leading PowerLab™ reference design library has now evolved into TI Designs. This video explains how to use the enhanced selection tool within TI Designs to quickly and efficiently search

Posted: 08-Oct-2014
Duration: 1:00
Views: 728

Tags: power management, power reference design, power management solutions, powerlab, power management designs, power design solutions, ti designs-power, ti designs, portable powerline power

★★★★☆

[Click here to jump start your design with TI Designs for Power Management](#)

Related Videos



Leading source for power reference designs



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

- PMP5688.2
- PMP6570
- PMP5952
- PMP2187.5
- PMP1386.5