Four Switch Buck-Boost Delivers High Transient Power for Wireless Base Station Application

(ACTIVE) PMP9104

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Description

This four switch buck-boost converter functions as both a buck or a boost, with a smooth transition between modes. It delivers a 28V (typical) output voltage at 2-3A continuous (4.5A peak) from a 22V-32V input.

Buck- Boost Converter for Wireless Base Station Application

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

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
LM5118	75V Wide Vin Buck-Boost Controller	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE Symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
LM5118	HTSSOP (PWP) | 20	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.

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Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP9104 PCB		PDF	3853	15 Dec 2013	59
PMP9104 Test Results		PDF	1615	15 Dec 2013	78

More Literature (3)

Title	Abstract	Type	Size (KB)	Date	Views
PMP9104 Assembly Drawing		PDF	60	18 Dec 2013	51
PMP9104 BOM		PDF	28	15 Dec 2013	72
PMP9104 Schematic		PDF	114	15 Dec 2013	70

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