Buck-Boost (12V @ 6A)

(ACTIVE) PMP2490

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Bill of Materials (BOM)

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Parametrics

	PMP2490
Vin (Min) (V)	9
Vin (Max) (V)	36
Vout (Nom) (V)	12
Iout (Max) (A)	6
Output Power	72
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck Boost- 4 Switch

TI Devices (2)

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
TPS2836	Non-inverting Fast Synchronous Buck MOSFETs Driver with TTL Inputs	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	Not Available
TPS40055	Wide Input (8V-40V) up to 1MHz Frequency Synchronous Buck Controller, source/sink	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS2836	SOIC (D) | 8	Download	Download
TPS40055	HTSSOP (PWP) | 16	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

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP2490 Test Results		PDF	43	14 Jan 2011	31

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP2490 BOM		PDF	21	14 Jan 2011	33
PMP2490 Schematic		PDF	61	14 Jan 2011	59

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