Inverting buck-boost using TPS54040 to generate -5V@100mA

(ACTIVE) PMP5691

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Description

Low power inverting buck boost to convert +5V to -5V

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP5691
Vin (Max) (V)	5.5
Vin (Min) (V)	4.5
Vout (Nom) (V)	-5
Iout (Max) (A)	.1
Output Power	.5
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck Boost- Inverting

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
TPS54040	3.5V to 42V Input, 0.5A Step-Down Converter with Eco-Mode	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS54040	HVSSOP (DGQ) | 10	Download	Download

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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 (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5691 Test Results		PDF	139	21 Nov 2011	30

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5691 BOM		PDF	28	21 Nov 2011	18
PMP5691 Schematic		PDF	38	21 Nov 2011	33

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