

TPS84620 Reference Design for Reduced Board Space

(ACTIVE) TPS84620REF1

-  Description & Features
-  Technical Documents
-  Support & Community
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Description

This reference design includes the schematic, bill of materials, and the Gerber files of a TPS84620 Integrated Power Solution optimized for reduced board space and external component count. The design accepts a 4.5V to 14.5V input and delivers 6-A at an output voltage of 5.0V. The entire design occupies about 200 square millimeters and uses a single ceramic input and output capacitor.

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Part Number	Status
TPS84620REF1: TPS84620 Reference Design for Reduced Board Space	ACTIVE

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS84620	4.5-V to 14.5-V Input, 6-A Synchronous Buck, Integrated Power Solution	Non-Isolated Module	Sample & Buy	View Design Kits & Evaluation Modules

CAD/ CAE symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
TPS84620	 B1QFN (RUQ) 47	Download	-

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Step 1: Download and install the Ultra Librarian software [ZIP: 62MB](#)

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Technical Documents

Design Files (1)

Title	Abstract	Type	Size (KB)	Date	Views
 TPS84620 Schematic		PDF	84	25 Oct 2010	144

Related Tools & Software

Software (1)

 [TPS84620 Gerber Files](#)
(ZIP, 700 KB) 164 views, 25 Oct 2010

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