Uses TPS53114 to generate 3.3V@1.0A, designed for Point of Load type applications

(ACTIVE) PMP5551

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Description

Low cost, 10 A output buck converter for multiple I/O output voltages 2V5 / 3V3 / 5V0 out of 12V bus

TI Devices (3)

Get more information on the TI products in this reference design.

Part Number	Name	Product Family
CSD16322Q5	N-Channel NexFET™ Power MOSFETs	Power MOSFET
CSD16408Q5	N-Channel NexFET™ Power MOSFET	Power MOSFET
TPS53114	4.5V to 24V Input, Synchronous Step-Down Controller for Low Voltage Power Rails	Controller (External Switch)

Bill of Materials

Find the complete list of components in this reference design.

Download BOM

CAD/CAE Symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
CSD16322Q5	SON (DQH) | 8	Download	-
CSD16408Q5	SON (DQH) | 8	Download	-
TPS53114	TSSOP (PW) | 16	Download	Download
	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

Step 2: Download the Symbol and Footprint .bxl file.

- read more -

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5551 Test Results		PDF	219	21 Nov 2011	192

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5551 Schematic		PDF	63	21 Nov 2011	183
PMP5551 BOM		PDF	29	21 Nov 2011	195

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Videos

Power Tip 58: Power supply grounding; which camp are you in?

In this power tip video senior applications engineer, Robert Kollman, discusses different methods for grounding power supply.

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