Synchronous Buck for Industrial Applications

(ACTIVE) PMP5573

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Description

Universal buck converter to meet I/O voltages 2.5V, 3.3V or 5V at currents up to 10Amps out of a 12V input voltage.

TI Devices (3)

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

Part Number	Name	Product Family
CSD16321Q5	N-Channel NexFET™ Power MOSFET	Power MOSFET
CSD16322Q5	N-Channel NexFET™ Power MOSFETs	Power MOSFET
TPS40304	3V to 20V Wide Input Synchronous Buck Controller for High Power Density, 600kHz, 600mV 1% Reference	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)
CSD16321Q5	SON (DQH) | 8	Download	-
CSD16322Q5	SON (DQH) | 8	Download	-
TPS40304	VSON (DRC) | 10	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
PMP5573 Test Results		PDF	161	10 Nov 2010	189

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP5573 Schematic		PDF	57	10 Nov 2010	190
PMP5573 BOM		PDF	21	10 Nov 2010	184

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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.

Posted: 27-Oct-2013
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