

Non sync buck controller with 20 to 27V input and 4.5 to 17V @ 1.4A output

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Description

PMP7772 is a non sync buck regulator. It has an input of 20V to 27V and output of 4.5V to 17V @ 1.4A. LM5575 uses Emulated Current Mode control architecture which provides inherent line regulation, tight load transient response and ease of loop compensation without the usual limitation of low duty cycles associated with current mode regulators. It incorporates ADJ pin to smoothen the output voltage on the fly.

TI Devices (2)

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

Part Number	Name	Product Family
LM5575	SIMPLE SWITCHER® 75V, 1.5A Step-Down Switching Regulator	Converter (Integrated Switch)
LM5575-Q1	SIMPLE SWITCHER® 75V, 1.5A Step-Down Switching Regulator	Converter (Integrated Switch)

Bill of Materials

Find the complete list of components in this reference design.



CAD/CAE Symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
LM5575	 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 .bzl file.

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP7772 Test Results		PDF	1324	09 Jan 2012	576

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP7772 BOM		PDF	106	09 Jan 2012	572
 PMP7772 Schematic		PDF	182	09 Jan 2012	572

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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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