LED Buck-Boost Converter

(ACTIVE) PMP2501

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Description

Dimmable DC/DC LED driver (inverting buck-boost) for AVAGO MJ50 or similar LED strings up to 300mA load

TI Devices (3)

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

Part Number	Name	Product Family
LM158	Dual General-Purpose Operational Amplifier	Operational Amplifier (Op Amp)
LM358	Dual Operational Amplifiers	Operational Amplifier (Op Amp)
TPS40200	Wide Input Non-Synchronous Buck DC/DC Controller	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)
LM158	CDIP (JG) | 8	Download	-
	LCCC (FK) | 20	Download	-
LM358	SOIC (D) | 8	Download	Download
	VSSOP (DGK) | 8	Download	Download
	PDIP (P) | 8	Download	Download
	SOP (PS) | 8	Download	-
	TSSOP (PW) | 8	Download	-
TPS40200	SOIC (D) | 8	Download	Download
	VSON (DRB) | 8	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
PMP2501 Test Results		PDF	194	14 Nov 2011	229

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP2501 BOM		PDF	29	14 Nov 2011	222
PMP2501 Schematic		PDF	74	14 Nov 2011	280

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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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