

12V Input Single Channel 5A RGB LED Driver for DLP Pico

(ACTIVE) PMP4326

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Description

This reference design demonstrate an 12V input 5A output RGB LED driver for DLP, which includes single DC/DC using TPS54620 to support 3 channel RGB LED driver with PWM dimming control

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Top view

Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS54620	4.5V to 17V Input, 6A Synchronous Step-Down SWIFT™ Converter	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
TPS54620	VQFN (RGY) 14	Download	-
	VQFN (RHL) 14	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](#)

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4326 Test Results		PDF	5701	16 Mar 2012	18

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4326 Schematic		PDF	88	16 Mar 2012	38
PMP4326 BOM		PDF	259	16 Mar 2012	21

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