

120Vac Single Stage Non-Dimmable 50W LED Driver Reference Design

(ACTIVE) PMP6017

 Description & Features

 Technical Documents

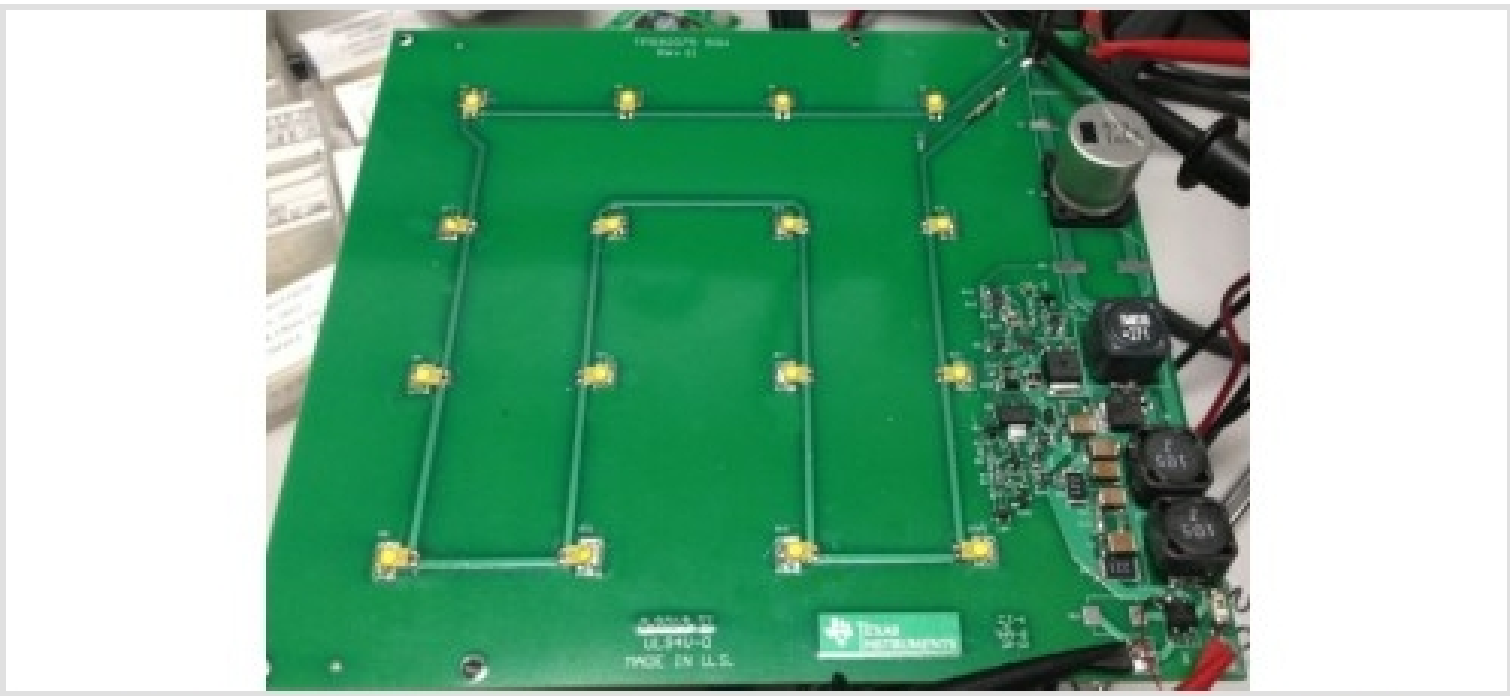
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Description

This reference design provides a high power (50W) non-isolated, non-dimming LED driver based on the TPS92074. With a nominal input of 120VAC and input range covering 108VAC to 132VAC, the design provides 1 Amp of output current to a 47V nominal stack of LEDs (~16 LEDs). The Buck PFC provides high power factor and low THD.



PMP6017, LED Lighting, Driver and Display, Buck- Non Sync, Reference Design

 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)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS92074	Non-Isolated, Buck PFC LED Driver with Digital Reference Control	LED Driver	Sample & Buy	Not Available

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP6017 Test Results		PDF	886	05 May 2014	78

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP6017 BOM		PDF	90	05 May 2014	58
 PMP6017 Schematic		PDF	186	05 May 2014	65

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