18V-36V Input 28V/100W Flyback

(ACTIVE) PMP6943

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Description

The PMP6943 reference design provides 28V at 100W (3.6A) from a standard 24V telecom input with greater than 92% efficiency. This design uses the TPS40210 to control a diode rectified flyback converter for a low cost and efficient design.

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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

Parametrics

	PMP6943
Vin (Max) (V)	36
Vin (Min) (V)	18
Vout (Nom) (V)	28
Iout (Max) (A)	3.6
Output Power	100.8
Isolated/Non-Isolated	Isolated
Input Type	DC
Topology	Flyback- Non Sync

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS40210	Wide Input Range Current Mode Boost Controller	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40210	HVSSOP (DGQ) | 10	Download	Download
	VSON (DRC) | 10	Download	-

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP6943 Test Results		PDF	1750	07 Nov 2011	22

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP6943 BOM		PDF	30	07 Nov 2011	36
PMP6943 Schematic		PDF	80	07 Nov 2011	49

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