

(ACTIVE) PMP5067

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The PMP5067 reference design uses the UCC28600 green-mode controller to generate an isolated 12V/3.4A output from a very wide 100Vdc to 650Vdc input range. The quasi-resonant switching of the UCC28600 allows this design to achieve a maximum load efficiency up to 88%, while the no load losses are less than 550mW.

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Top view

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

Find the complete list of components in this reference design.

	PMP5067
Vin (Max) (V)	650
Vin (Min) (V)	100
Vout (Nom) (V)	12
Iout (Max) (A)	3.4
Output Power	40.8
Isolated/Non-Isolated	Isolated
Input Type	DC
Topology	Flyback- Quasi Resonant Flyback- DCM

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
UCC28600	8-Pin Quasi Resonant Flyback Green Mode Controller	AC/DC and Isolated DC/DC Power Supply	Sample & Buy	View Design Kits & Evaluation Modules

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
UCC28600	SOIC (D) 8	Download	Download

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PMP5067 Gerber		ZIP	116	05 Jan 2012	23
PMP5067 BOM		PDF	29	05 Jan 2012	51
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