Buck 11V,3A

(ACTIVE) PMP4681.3

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Description

The PMP4681 11.0V @ 3.0A non-synchronous buck converter with TPS54620 has an input voltage range of 11.8-13.0V. It has additional circuitry for an external enable signal and for synchronizing to an external clock frequency of 300kHz.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

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Parametrics

	PMP4681.3
Vin (Max) (V)	13
Vin (Min) (V)	11.8
Vout (Nom) (V)	11
Iout (Max) (A)	3
Output Power	33
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Buck- Non Sync

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS40200	Wide Input Non-Synchronous Buck DC/DC Controller	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40200	SOIC (D) | 8	Download	Download
	VSON (DRB) | 8	Download	-

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4681.3 Test Results		PDF	579	19 Sep 2011	12

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4681.3 BOM		PDF	27	19 Sep 2011	13
PMP4681.3 Schematic		PDF	78	19 Sep 2011	17

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