Flyback, Buck for Automotive (4.5V @ 0.05A)

(ACTIVE) PMP1941.5

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Description

A TPS70501 linear regulator supplies a 4.5V output in parallel with the 5V rail. This provides a low current backup voltage when the the buck converter is disabled.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

Download BOM

Parametrics

	PMP1941.5
Vin (Min) (V)	8
Vin (Max) (V)	35
Vout (Nom) (V)	4.5
Iout (Max) (A)	.05
Output Power	.225
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Linear Regulator

TI Devices (11)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
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LM2904	Dual Operational Amplifier	Operational Amplifier (Op Amp)	Sample & Buy	View Design Kits & Evaluation

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CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
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LM2904	SOIC (D) | 8	Download	Download
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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP1941 TEST RESULTS		PDF	3079	06 Jan 2011	66

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP1941 BOM		PDF	24	06 Jan 2011	51
PMP1941 SCHEMATIC		PDF	134	06 Jan 2011	103

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