Non-Isolated LDO for Industrial using TPS7A201 with Input of 16 VDC 15V@0.05A

(ACTIVE) PMP7115.7

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Description

The PMP7115.7(15V@0.05A) reference design is a 13.2W LDO which uses a TPS7A201 and was intended for Industrial applications. It can generate a Non-Isolated 15 volt output at 0.05 Amps from an input of 16 Volts DC. This design has multiple outputs.

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Bill of Materials (BOM)

Find the complete list of components in this reference design.

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Parametrics

	PMP7115.7
Vin (Max) (V)	16
Vin (Min) (V)	16
Vout (Nom) (V)	15
Iout (Max) (A)	.05
Output Power	.75
Isolated/Non-Isolated	Non-Isolated
Input Type	DC
Topology	Linear Regulator

TI Devices (1)

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS7A4201	28V Input, 50mA, Single Output Low-Dropout Linear Regulator	Linear Regulator (LDO)	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS7A4201	HVSSOP (DGN) | 8	Download	Download

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Step 1: Download and install the Ultra Librarian software ZIP: 62MB

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP7115 Test Results		PDF	1788	26 Sep 2012	42

Design Files (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP7115 BOM		PDF	99	26 Sep 2012	37
PMP7115 Schematic		PDF	108	26 Sep 2012	87

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