Evaluation Module for TPS62362 Processor Core Supply with I2C Compatible Interface and Remote Sense

(ACTIVE) TPS62362EVM-655

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Key Document

- TPS6236xEVM-655 User's Guide (Rev. A) (PDF 999 KB)
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Description

This EVM demonstrates the Texas Instruments [TPS62360, TPS62361B, TPS62362, or TPS62365] Processor Supply with I2C Interface and Remote Sense. The TPS6236x are a family of high-frequency synchronous step down dc-dc converter optimized for battery-powered portable applications for a small solution size. With an input voltage range of 2.5V to 5.5V, common battery technologies are supported. These devices provides up to 3A peak load current (3.5A for the TPS62365), operating at 2.5MHz typical switching frequency

Features

- 3A Peak Output Current
- Low Rds,on Switch and Active Rectifier
- Power Save Mode for Light Loads
- I²C High Speed Compatible Interface
- Programmable Output Voltage for Digital Voltage Scaling: 0.5V to 1.77V, 10mV Steps
- Excellent DC/AC Output Voltage Regulation
- Multiple Robust Operation/Protection Features

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Part Number	Buy from Texas Instruments or Third Party	Status
TPS62362EVM-655: Evaluation Module for TPS62362 Processor Core Supply with I2C Compatible Interface and Remote Sense	$99.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	ACTIVE

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Technical Documents

Datasheet (1)

Title	Abstract	Type	Size (KB)	Date	Views
3A Processor Supply with I2C Compatible Interface and Remote Sense (Rev. C)		PDF	1542	29 Nov 2012	

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
TPS6236xEVM-655 User's Guide (Rev. A)		PDF	999	25 Jul 2011	49	✓

Related Products

Software (2)

TPS6236xEVM-655 Software (Rev. A)
(ZIP, 424 KB) 7 views, 04 Aug 2011

HPA655A Gerber Files
(ZIP, 252 KB) 8 views, 07 Mar 2011

TI Devices (1)

Part Number	Name	Product Family
TPS62362	Processor Core Supply with I2C Compatible Interface and Remote Sense. 0.77 to 1.4 Vout	Converter (Integrated Switch)

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