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Evaluation Module for UCC28063 Natural Interleaving Transition-Mode PFC Controller

(ACTIVE) UCC28063EVM-723

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Description

The UCC28063EVM-723 (EVM) is a fully assembled and tested circuit for evaluating the UCC28063 Natural Interleaving™ Transition-Mode PFC Controller. The UCC28063EVM-723 is an off line 300W PFC pre-regulator that runs of a universal line input of 85V to 265V RMS and provides a regulated 390V output. The UCC28063EVM-723 demonstrates how the UCC28063 IC can be used in an interleaved transition mode PFC pre-regulator.

Features

- Phase Management Capability
- FailSafe OVP with Dual Paths Prevents Output Over-Voltage Conditions by Voltage-Sensing Failures
- Soft Start on Overvoltage
- Integrated Brownout
- Input Filter and Output Capacitor Current Cancellation
- Enables Use of Low-Cost Diodes without Extensive Snubber Circuitry
- Improved Light-Load Efficiency
- Improved Transient Response
- Complete System-Level Protection
- 1-A Source/1.8-A Sink Gate Drivers
- -40°C to 125°C Operating Temperature Range

Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
UCC28063EVM-723: Evaluation Module for UCC28063 Natural Interleaving Transition-Mode PFC Controller	\$149.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE

Contact a Distributor

TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

Technical Documents

Datasheet (1)


Title	Abstract	Type	Size (KB)	Date	Views
UCC28063 Natural Interleaving™ Transition-Mode PFC Controller With Improved Audible Noise Immunity (Rev. A)		PDF	1884	05 Dec 2014	

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
Using the UCC28063EVM	Read Abstract	PDF	1469	07 Jun 2011	297

Related Products

Software (1)

 [UCC28063 Controller Setup Tool](#)
(ZIP, 14 KB) 103 views, 20 Sep 2011

TI Devices (2)


Part Number ↕	Name	Product Family ↕
UCC28063	Natural Interleaving Transition-Mode PFC Controller with Improved Audible Noise Immunity	AC/DC and Isolated DC/DC Power Supply
UCC28063A	Natural Interleaving Transition-Mode PFC Controller with Improved Audible Noise Immunity	AC/DC and Isolated DC/DC Power Supply

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Training & events

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Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
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