TPS2358 Dual-Slot ATCA; AdvancedMC; Controller Evaluation Module

(ACTIVE) TPS2358EVM

Description & Features | Technical Documents | Support & Community | Order Now

Key Document

- TPS2358 Dual-Slot ATCA AdvancedMC Controller Evaluation Module (PDF 584 KB)
  17 Jun 2008 36 views Read Abstract

- View All Technical Documents (2)

Description

The Dual-Slot AdvancedMC™ Controller Evaluation Module (TPS2358EVM) is a PCB platform for users to learn about the features and operation of the TPS2358 integrated circuit from Texas Instruments (TI). The TPS2358 Dual-Slot ATCA™ AdvancedMC™ Controller manages two 12 V and two 3.3 V power rails, and features inrush and fault current limiting, FET ORing, input UVLO protection and logic-level enable inputs. Current control on the 12 V rails has a high degree of programmability, including independent current limit and fast trip thresholds. Overcurrent fault timing is managed with user-programmable shut-down delays, and each of the four power channels has dedicated fault and power good reporting outputs. In addition, current sense and pass and block FETs for the 3.3 V channels are fully integrated into the device.

Features

- One TPS2358 Dual-Slot ATCA™ AdvancedMC™ Controller
- Programming and sense resistors (12 V)
- Low RDS(ON) pass and block FET's (12 V)
- Input and output power jacks for external supply and optional load connection
- Up to 880 µF (4 x 220 µF) jumpered load capacitors (each channel) for simulated Payload Power output bulk capacitance
- 150 µF jumpered load capacitor for each Management Power channel
- Multiple, switch-selectable fault timer settings, each channel
- Slide switch actuation of enable inputs
- Expansion port headers

Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead - Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
TPS2358EVM: TPS2358 Dual -Slot ATCA; AdvancedMC; Controller Evaluation Module	$49.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes	NA	Pending	Pending	NA	NA	NA	No	No	No

Contact a Distributor Texas Go

TI's Standard Terms and Conditions for Evaluation Modules apply.

Technical Documents

Datasheet (1)

Title	Abstract	Type	Size (KB)	Date	Views
TPS2358 Dual-Slot ATCA AdvancedMC™ Controller (Rev. E)		PDF	874	04 Sep 2009	

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
TPS2358 Dual-Slot ATCA AdvancedMC Controller Evaluation Module	Read Abstract	PDF	584	17 Jun 2008	36	✓

Related Products

Design Kits & Evaluation Modules (1)

Name	Part Number	Tool Type
TPS2359 Dual-Slot ATCA AdvancedMC Controller with I2C Evaluation Module	TPS2359EVM	Evaluation Modules & Boards

TI Devices (3)

Part Number	Name	Product Family
CSD16403Q5A	N-Channel NexFET™ Power MOSFET	Power MOSFET
CSD17510Q5A	30V N-Channel Low Side NexFET Power MOSFET with 20 Volt Vgs	Power MOSFET
TPS2358	Dual-Slot ATCA AdvancedMC(TM) Controller	Hot Swap Control, Protection and Monitoring

Videos

How to find a tested Power solution for your application

This video explains how to use TI's PowerLab reference design selection tool to quickly and efficiently search through more than 1,000 fully tested reference designs to find a solution

Posted: 28-Mar-2013
Duration: 4:29
Views: 8340
Tags: power management, power reference design, power management solutions, powerlab, power management designs, power design solutions

Click to visit PowerLab now!

Related Videos

What Now Playing?

How to find a tested Power solution for your application

Support and Community

Wikis

Visit the TI Wiki

TI E2E™ community

TI E2E™ Community

As a member of my.TI you can join the TI E2E™ Community where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See Terms of use.

Engage in the Community

- Amplifiers
- Broadband RF/IF & Digital Radio
- Clocks & Timers
- Data Converters
- DLP® & MEMS
- Interface
- Logic
- Power Management
- Wireless Connectivity

Training & events

Name	Type	Available During
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

See more training & events

Customer Tags

Most Popular Tags for TPS2358EVM:

- advancedmc (1)
- atca (1)
- circuit protection (1)
- microtca (1)

View All Tags

Create a Tag

Other Support

- TI E2E Community
- Contact Technical Support

Your History

Products You Recently Viewed

- tps2358evm
- tps2398evm
- tps2392evm
- ucc3918evm
- TPS2393ATCA

TI is a global semiconductor design and manufacturing company. Innovate with 100,000+ analog ICs and embedded processors, along with software, tools and the industry's largest sales/support staff.

© Copyright 1995-2014 Texas Instruments Incorporated. All rights reserved.
Trademarks | Privacy policy | Terms of use | Terms of sale
Downloaded from Arrow.com.