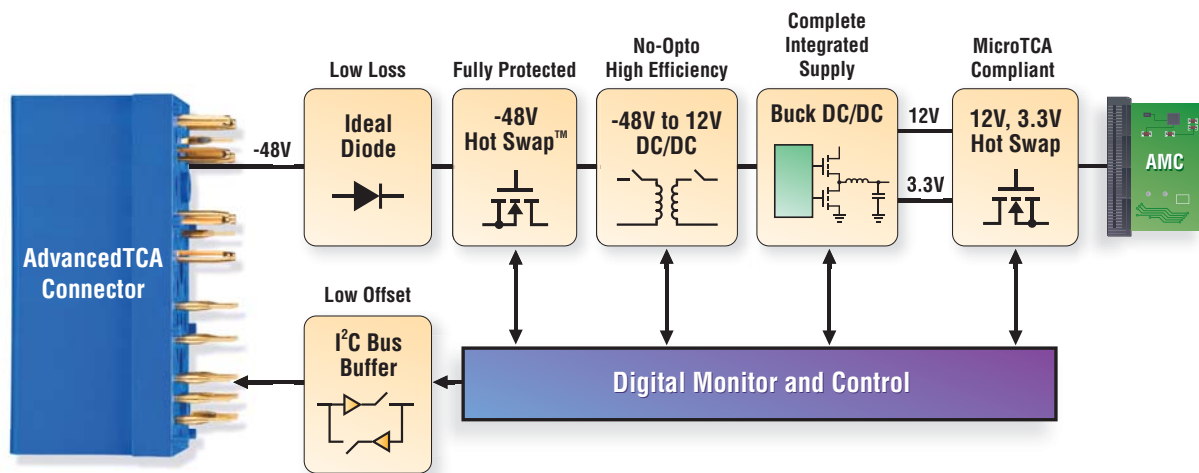


Reliable Power for AdvancedTCA



Delivering Power Management Solutions for ATCA 48V & 12V Systems with Digital Power Monitoring & Control

Product Portfolio Highlights

Part Number	Product Type	Description
LTC®4355	Ideal Diode-OR	Positive High Voltage Ideal Diode-OR with Input Supply and Fuse Monitors
LTC4354		Negative Voltage Ideal Diode-OR Controller and Fault Monitoring
LTC4357		Positive High Voltage Ideal Diode Controller
LTC4261	-48V Hot Swap	-48V Hot Swap Controllers with ADC and I²C Monitoring
LTC4252A		-48V Hot Swap Controllers with Fast Active Current Limiting
LTC3805/-5	-48V to 12V DC/DC	Flyback Controller with Adjustable Operating Frequency
LT®3825		Synchronous Flyback Controller, No Opto-Coupler Required
LTC4223-1/2	12V Hot Swap	Dual Supply (12V and 3.3V _{AUX}) Hot Swap Controller for AMC and MicroTCA
LTC4215-1		Hot Swap Controller with I²C ADC and 3 GPIO for Current, Voltage and Fault Monitoring
LTC4218-12		12V Hot Swap Controller with Adjustable 5% Accurate (15mV) Current Limit
LTC4222		Dual Supply Hot Swap Controller with I²C and Current/Voltage Monitoring
LTM®8022	Buck DC/DC	2A DC/DC µModule™; up to 36V input; 9mm x 11.25mm x 2.8mm LGA package
LTM4608		8A DC/DC µModule; 9mm x 15mm x 2.8mm LGA package
LTC4307	I²C Bus Buffers	Low Offset Hot Swappable 2-Wire Bus Buffer with Stuck Bus Recovery
LTC4309		Low Offset Hot Swappable 2-Wire Bus Buffer with Stuck Bus Recovery and Fault Monitor
LTC2970	System Monitoring and Control	Dual I²C Power Supply Monitor and Margining Controller
LTC2917		0.5V - 12V Voltage Supervisor with 27 Selectable Thresholds and Watchdog Timer
LTC1921		Dual -48V Supply and Fuse Monitor

Info & Free Samples

www.linear.com/ATCAolutions

1-800-4-LINEAR

AdvancedTCA®

AdvancedMC™

µTCA™



Telecom,
Datacom and
Industrial Brochure

www.linear.com/48vsolutions

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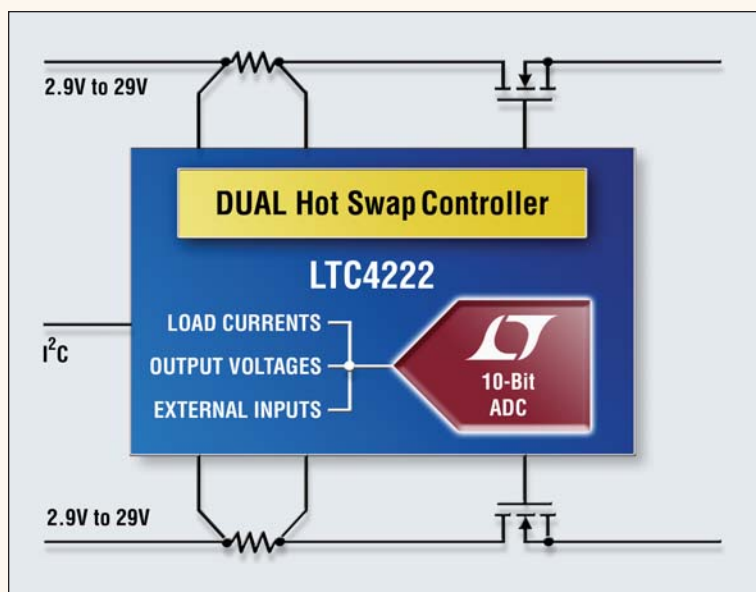


Hot Swap Controller Protects AdvancedMC™ Power Rails

The LTC4222 Hot Swap™ controller allows two power paths to be safely inserted and removed from a live backplane. Using external N-channel pass transistors, board supply voltages and inrush currents are ramped up at an adjustable rate. An I²C interface and onboard ADC allows for monitoring of current, voltage and fault status for each channel.

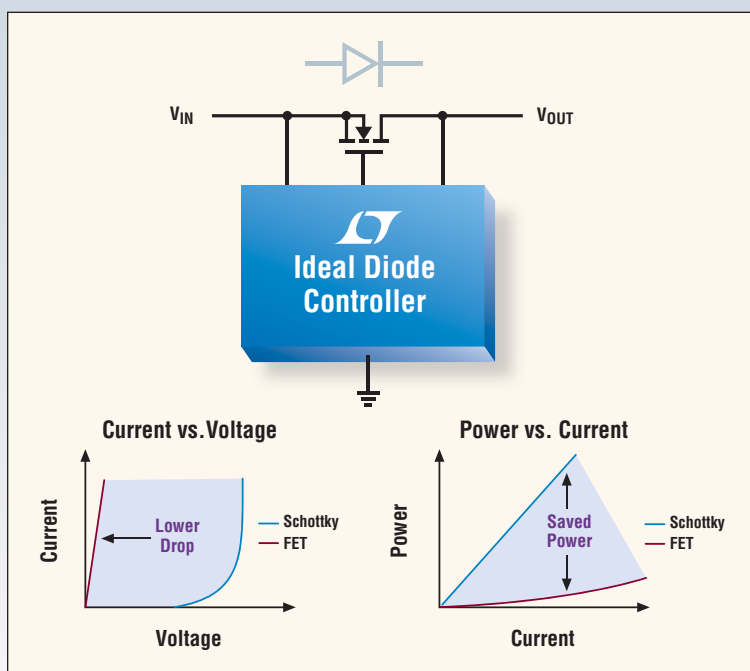
FEATURES:

- Allows Safe Insertion Into a Live Backplane
- 10-Bit ADC Monitors Currents and Voltages
- I²C/SMBus Interface
- Wide Operating Voltage Range: 2.9V to 29V
- dI/dt Controlled Soft-Start
- High Side Drive for External N-Channel MOSFETs
- No External Gate Capacitors Required
- Input Overvoltage/Undervoltage Protection
- Optional Latchoff or Auto-Retry After Faults
- Alert Host After Faults
- Available in 32-pin 5mm x 5mm QFN and 36-lead SSOP Packages



www.linear.com/4222

Ideal Diode Controller Family



Our Ideal Diode controller family reduces forward voltage drop and power dissipation in ORing applications, eliminating the heatsinks required by conventional rectifiers. They deliver smooth switchover without chatter, are free from oscillation in load-sharing applications, yet respond quickly when needed to block DC current in the reverse state. Our controllers prevent backfeeding between supplies and are easily configured to protect against reverse polarity inputs.

www.linear.com/idealdiodes

