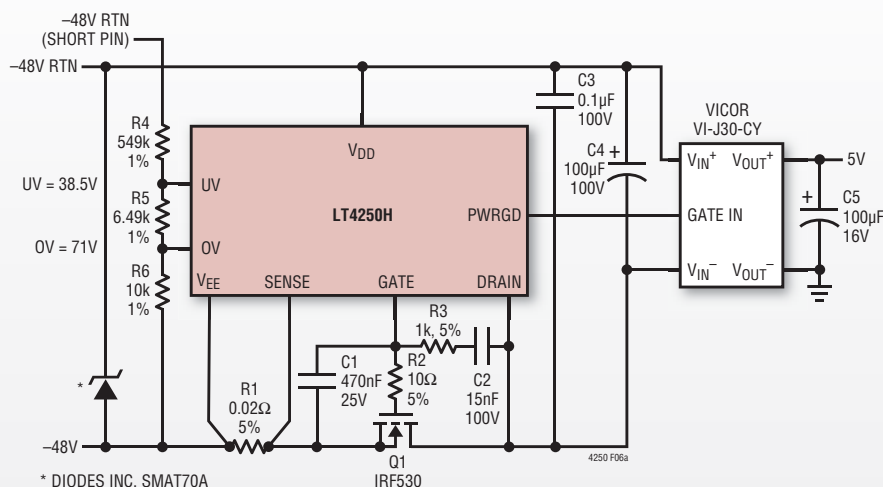


High Voltage Hot Swap Controllers

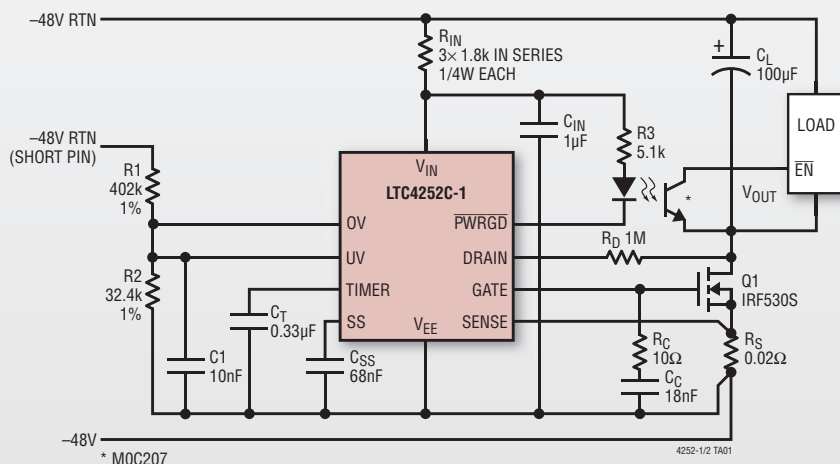
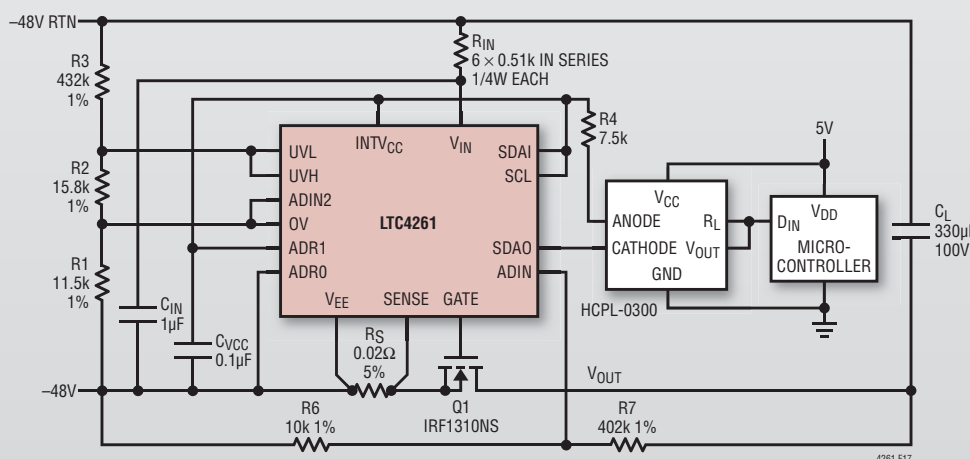
LT4250: -48V Hot Swap™ Controller with Circuit Breaker



- Circuit Breaker Immunity to Voltage Steps and Current Spikes
- Adjustable Inrush and Short-Circuit Current Limits
- Adjustable Undervoltage and Overvoltage Protection
- Power Good Control Output
- Operation Up to 80V
- Pin-Compatible Upgrade to LT®1640
- LT4250L: PWRGD Output
- LT4250H: PWRGD Output

LTC4252C: -48V Hot Swap Controller with Active Current Limit

- Very High Voltage Floating Topology
- Adjustable Analog Current Limit with Circuit Breaker Timer
- Fast Response Time Limits Peak Fault Current
- Adjustable Soft-Start Current Limit
- Adjustable Timer with Drain Voltage Accelerated Response
- Adjustable 1% Accurate Undervoltage and Overvoltage Protection
- LTC®4252C-1: Latchoff After Fault
- LTC4252C-2: Auto-Retry After Fault

LTC4261: -48V Hot Swap Controller with I²C Control and Monitoring

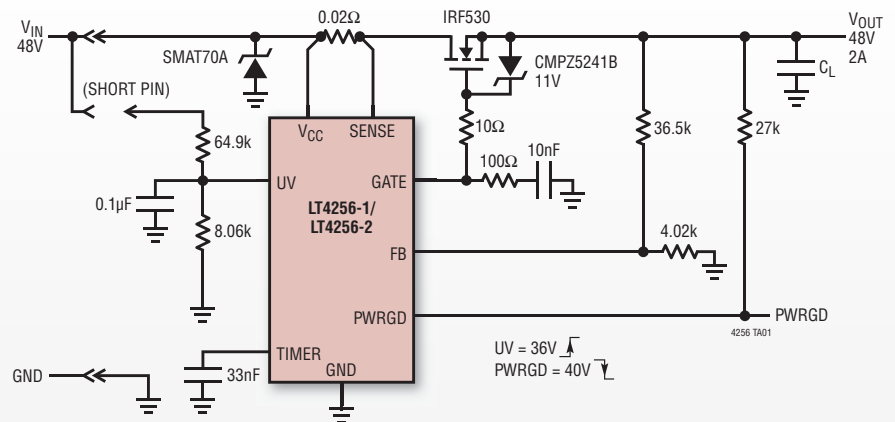
- Very High Voltage Floating Topology
- Independently Adjustable Inrush and Overcurrent Limits
- Controlled Soft-Start Inrush
- 10-Bit ADC Monitors Current and Voltage
- Alert After Faults
- Sequenced Power Good Outputs
- Adjustable Undervoltage and Overvoltage Protection
- Adjustable Latchoff or Auto-Retry After Fault



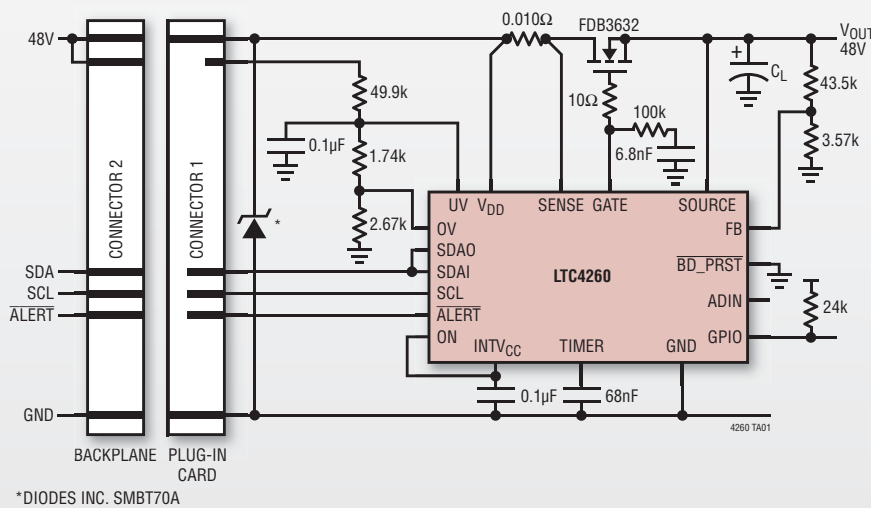
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LT4256: +48V Hot Swap Controller with Active Current Limit

- Adjustable Analog Current Limit with Circuit Breaker Timer
- 100V Absolute Maximum Rating
- Foldback Current Limiting
- Undervoltage Protection
- LT4256-1: Latchoff After Fault
- LT4256-2: Auto-Retry After Fault
- LT4256-3: Open-Circuit Detect



LTC4260: +48V Hot Swap Controller with I²C Control and Monitoring



- I²C/SMBus Interface
- 8-Bit ADC Monitors Current and Voltage
- Alert Host After Faults
- Adjustable Analog Current Limit with Circuit Breaker Timer
- 100V Absolute Maximum Rating
- Foldback Current Limiting
- Undervoltage and Overvoltage Protection
- Optional Latchoff or Auto-Retry After Faults

High Voltage Hot Swap Controller Selection Guide

Part Number	Description	Comments
LT1640A	Negative Hot Swap Controller in SO-8	Fast Circuit Breaker
LT4250	Negative Hot Swap Controller in SO-8	Circuit Breaker Immunity to Voltage Steps and Current Spikes
LTC4251B	Negative Hot Swap Controller in SOT-23	Active Current Limiting, Fast Comparator for Catastrophic Faults
LTC4252B/C	Negative Hot Swap Controller in MSOP	Active Current Limiting, Fast Comparator for Catastrophic Faults, Separate UV/OV Pins, Power Good Output
LTC4253B	Negative Hot Swap Controller with Sequencer	Active Current Limiting, Fast Comparator for Catastrophic Faults, Separate UV/OV Pins, Power Good Output, Sequencer
LTC4261	Negative Hot Swap with I ² C Interface	Active Current Limit, Monitors Current and Voltage
LT1641	Positive Hot Swap Controller	Foldback Current Limit, Auto-Retry/Latchoff
LT4254	Positive Hot Swap Controller	Foldback Current Limit, Auto-Retry/Latchoff, Open-Circuit Detection
LT4256	Positive Hot Swap Controller	Foldback Current Limit, Auto-Retry/Latchoff, Open-Circuit Detection
LTC4260	Positive Hot Swap with I ² C Interface	Active Current Limit, Monitors Current and Voltage