

# INDUSTRY'S SMALLEST DUAL PCI EXPRESS HOT-PLUG CONTROLLER

Hot Swaps All Three Voltage Rails for Two PCI Express™ Cards

## BEATS THE COMPETITION THREE-WAYS

### 1 REDUCES COST

- REQUIRES 21 FEWER EXTERNAL COMPONENTS
- USES LOWER COST n-CHANNEL MOSFETs vs. THE COMPETITION'S p-CHANNEL MOSFETs
- OPTIONAL EXTERNAL SMBus™ INTERFACE WITH I/O EXPANDER

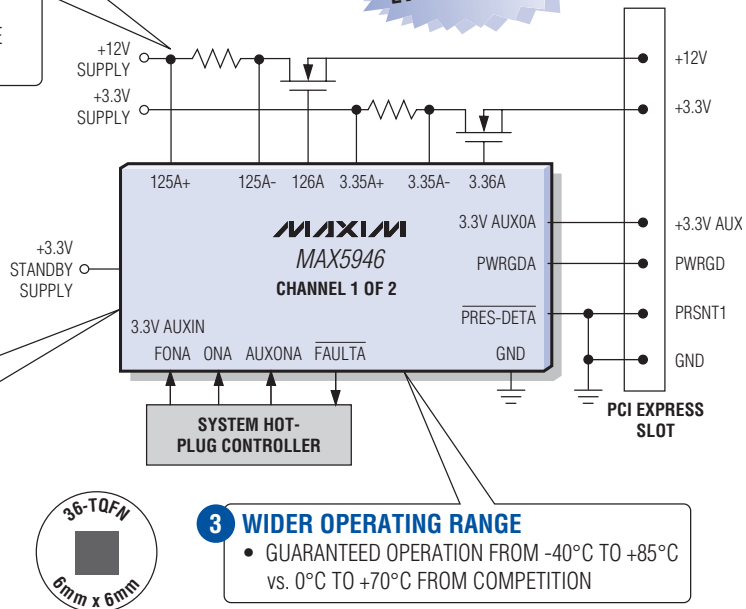
### 2 SUPERIOR RELIABILITY AND FLEXIBILITY

- 7.5x LARGER GATE PULL-DOWN CURRENT FOR FASTER FAULT RESPONSE
- 30% LOWER MOSFET RDSON RESISTANCE IMPROVES EFFICIENCY AND REDUCES POWER DISSIPATION
- CHOICE OF LATCHED OR AUTO-RETRY FAULT MANAGEMENT vs. LATCHED FROM COMPETITION

### 3 WIDER OPERATING RANGE

- GUARANTEED OPERATION FROM -40°C TO +85°C vs. 0°C TO +70°C FROM COMPETITION

PCI EXPRESS-COMPLIANT EV KIT AVAILABLE



- ◆ Hot Swaps +12V, +3.3V, and +3.3V Auxiliary Voltage Rails for Two Slots
- ◆ Integrated 0.24Ω Power MOSFETs for +3.3V Auxiliary Supply Rails

- ◆ Independent ON/OFF Control for Each Slot
- ◆ Active Current Limit Provides Overcurrent and Short-Circuit Protection for Each Slot
- ◆ Contact Factory for Competitive Pricing

PCI Express is a trademark of PCI-SIG.  
SMBus is a trademark of Intel Corporation.

# MAXIM

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