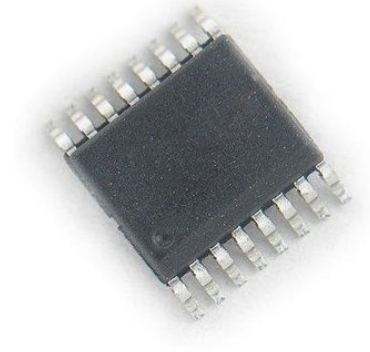


Hot Swap Controller 2-CH 7V N-Channel Positive Low Voltage 16-Pin SSOP N Tube

Manufacturers	Analog Devices, Inc
Package/Case	SSOP16
Product Type	Hot Swap Controllers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1646IGN#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1646 is a Hot Swap™ controller that allows a board to be safely inserted and removed from a live CompactPCI bus slot. Two external N-Channel transistors control the 3.3V and 5V supplies. The supplies can be ramped-up in current limit or at a programmable rate. Electronic circuit breakers protect both supplies against overcurrent fault conditions. The PWRGD output indicates when all of the supply voltages are within tolerance. The OFF/ON pin is used to cycle the board power or reset the circuit breaker. The PRECHARGE output can be used to bias the bus I/O pins during card insertion and extraction. PCI_RST# is logically combined on-chip with HEALTHY# in order to generate LOCAL_PCI_RST# which can be used to reset the CPCI card logic if either of the supply voltages is not within tolerance.

The LTC1646 is available in the 16-pin narrow SSOP package.

Features

Allows Safe Board Insertion and Removal from a Live, CompactPCI™ Bus

Controls 3.3V and/or 5V Supplies

Programmable Foldback Current Limit During Power-Up

Dual Level Circuit Breakers Protect Supplies from Overcurrent and Short-Circuit Faults

Local_PCI_RST# Logic On-Chip

PRECHARGE Output Biases I/O Pins During Card Insertion and Extraction

User Programmable Supply Voltage Power-Up Rate

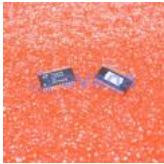
15V High Side Drive for External N-Channels

PWRGD, RESETOUT and FAULT Outputs

Application

CompactPCI Bus Removable Boards

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN