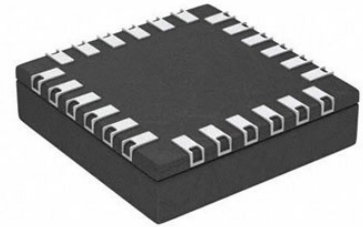


Hot Swap Controller 1-CH 60V P-Channel Positive High Voltage 16-Pin LFCSP EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	16-WFQFN Exposed
Product Type	Hot Swap Controller
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADM1270ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADM1270 is a current-limiting controller that provides inrush current limiting and overcurrent protection for modular or battery-powered systems. When circuit boards are inserted into a live backplane, discharged supply bypass capacitors draw large transient currents from the backplane power bus as they charge. These transient currents can cause permanent damage to connector pins, as well as dips on the backplane supply that can reset other boards in the system.

The ADM1270 is designed to control the inrush current, when powering on the system, via an external P-channel field effect transistor (FET).

To protect the system from a reverse polarity input supply, there is a provision made to control an additional external P-channel FET. This feature prevents reverse current flow in case of a reverse polarity connection, which can damage the load or the ADM1270. The ADM1270 is available in a 3 mm × 3 mm, 16-lead LFCSP and a 16-lead QSOP.

Features

Controls supply voltages from 4 V to 60 V

Gate drive for low voltage drop reverse supply protection

Gate drive for P-channel FETs

Inrush current limiting control

Adjustable current limit

Foldback current limiting

Automatic retry or latch-off on current fault

Programmable current-limit timer for safe operating area (SOA)

Power-good and fault outputs

Analog undervoltage (UV) and overvoltage (OV) protection

16-lead, 3 mm × 3 mm LFCSP

16-lead QSOP

Application

Industrial modules

Battery-powered/portable instrumentation

Related Products



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc
MSOP-8



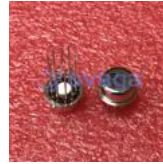
[AD737JRZ](#)

Analog Devices, Inc
SOP-8



[ADP3367ARZ](#)

Analog Devices, Inc
SOIC-8



[AD636JH](#)

Analog Devices, Inc
TO-100-10



[ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc
SOT-23-6



[ADR434BRZ](#)

Analog Devices, Inc
SOIC-8



[ADR421ARZ](#)

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SOP-8



[ADR3412ARJZ-R7](#)

Analog Devices, Inc
SOT-23-6