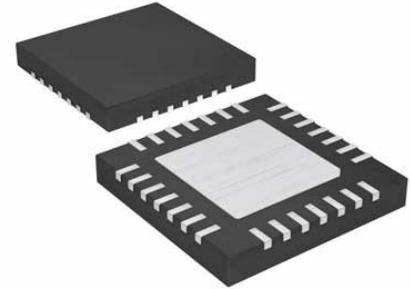


Programmable Six Channel Sequencer and Voltage Supervisor with EEPROM

Manufacturers	Analog Devices, Inc
Package/Case	28-Lead QFN (5mm x 6mm x 0.75mm w/ EP)
Product Type	Power Supplies
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2937HUHE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2937 is a 6-channel power supply sequencer and voltage supervisor. Supplies are enabled or disabled with precise user controlled order and time spacing. To detect power supply output faults during sequencing and monitoring, the LTC2937 accurately monitors supply turn-on/-off delays and output voltage levels. In the event of a fault, response actions include complete power supply shutdown and optional restarts. Root cause of power faults are logged to EEPROM. For systems with high supply count, a simple single wire connection between multiple LTC2937 devices allows sequencing expansion to 300 supplies. After successful sequencing and supply voltage stabilization, the reset output pulls high to initiate microprocessor or other system activity. To accommodate supply margin testing, the reset output can be disabled. Upon supply turn-off, integrated current sources are available as needed to discharge slowly decaying supplies. Configuration EEPROM supports autonomous operation without software.

Features

Time and Event Based Sequencing

12 Programmable Undervoltage (UV) and Overvoltage (OV) Comparators: $\pm 0.75\%$ Accuracy

I2C/SMBus Interface

Stalled Power Supply Detection

Single Wire Synchronization Allows Controller Expansion to 50 Devices (300 Power Supplies)

Configuration and Fault Logging in EEPROM

EEPROM Specified Over Entire Temperature Range, Rated to 125°C, 10k Writes, 20yr Retention

Supported by LTpowerPlay® GUI

Fault and System Status Registers

Reset Output with Programmable Delay

Wide Input Supply Voltage Range: 2.9V to 16.5V

28-Lead QFN (5mm \times 6mm) Package

Application

Network Servers

Data Storage Systems

Telecom Equipment

High Availability Computer Systems

Related Products



[LTC1966CMS8](#)

Analog Devices, Inc
MSOP-8



[LTC2600IGN](#)

Analog Devices, Inc
SSOP-16



[LT1054ISW](#)

Analog Devices, Inc
SOP-16



[LTC2208CUP](#)

Analog Devices, Inc
QFN64



[LT1931ES5](#)

Analog Devices, Inc
SOT-23



[LTC1606IG](#)

Analog Devices, Inc
SSOP-28



[LTC1446CS8](#)

Analog Devices, Inc
SOP-8



[LT3463EDD](#)

Analog Devices, Inc
QFN10