

Programmable Monitor, 3.3V-7V Supply, 1.6V Threshold, 16 Monitors, Push-Pull Reset, MSOP-10

Manufacturers	Analog Devices, Inc
Package/Case	MSOP10
Product Type	Supervisors
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2900-1IMS#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2900 is a programmable supply monitor for systems with up to four supply voltages. One of 16 preset or adjustable voltage monitor combinations can be selected using an external resistor divider connected to the program pin. The preset voltage thresholds are accurate to $\pm 1.5\%$ over temperature.

The reset delay time is adjustable using an external capacitor and the manual reset input may be used with a momentary switch to issue reset pulses with programmed duration. Tight voltage threshold accuracy and glitch immunity ensure reliable reset operation without false triggering. The RST output is guaranteed to be in the correct state for VCC down to 1V. The LTC2900-1 features an open-drain RST output, while the LTC2900-2 has a push-pull RST output.

The 43 μ A supply current makes the LTC2900 ideal for power conscious systems and it may be configured to monitor less than four inputs. The parts are available in the 10-lead MSOP and the 10-lead 3mm \times 3mm DFN packages.

Features

Simultaneously Monitors Four Supplies

16 User Selectable Combinations of 5V, 3.3V, 3V, 2.5V, 1.8V, 1.5V and/or \pm Adjustable Voltage Thresholds

Guaranteed Threshold Accuracy: $\pm 1.5\%$ of Monitored Voltage Over Temperature

Low Supply Current: 43 μ A Typ

Adjustable Reset Time

Small MSOP and 3mm \times 3mm DFN Packages

Manual Reset Pin

Open-Drain RST Output (LTC2900-1)

Push-Pull RST Output (LTC2900-2)

Power Supply Glitch Immunity

Guaranteed RST for $VCC \geq 1V$

Application

Desktop and Notebook Computers

Multivoltage Systems

Telecom Equipment

Portable Battery-Powered
Equipment

Network Servers



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



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MSOP10



[LTC1966CMS8#PBF](#)

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MSOP-8P



[LTC2990IMS#PBF](#)

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10MSOP



[LTM8045EY#PBF](#)

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[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN