

IC MON SUPP QD W/RST&SEL 16-SSOP

Manufacturers	<u>Analog Devices, Inc</u>
Package/Case	SSOP16
Product Type	Supervisors
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2902-1CGN#TRPBFB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2902 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 digitally programmable to 5%, 7.5%, 10% or 12.5% below the nominal operating voltage, and are accurate to 1.5% over temperature. All four voltage comparator outputs are connected to separate pins for individual supply monitoring.

The reset delay time is adjustable using an external capacitor. 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 and may be disabled during supply margin testing. The LTC2902-1 features an open-drain RST output, while the LTC2902-2 has a push-pull RST output.

The 43µA supply current makes the LTC2902 ideal for power conscious systems and the part may be configured to monitor less than four inputs. The LTC2902-1/LTC2902-2 are available in the 16-lead narrow SSOP package.

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

Selectable Supply Tolerance: 5%, 7.5%, 10%, 12.5% Below Monitored Voltage

Low Supply Current: 43 μ A Typ

Adjustable Reset Time

RESET Disable Pin for Margining Applications

Open-Drain RST Output (LTC2902-1)

Push-Pull RST Output (LTC2902-2)

Individual Nondelayed Monitor Outputs for Each Supply

Power Supply Glitch Immunity

Guaranteed RESET for $VCC \geq 1V$

Application

Desktop and Notebook Computers

Multivoltage Systems

Telecom Equipment

Portable Battery-Powered
Equipment

Network Servers



LoadID FP8900074571

Part HNW3-51506165-121

MPN LTC2902-1CGN

D/C 0636 Lot:

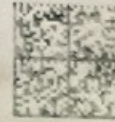
Desc IC, QUAD SUPPLY MONITOR, UP SUPV

Qty 323 MFG: LINEAR TECHNOLOGY

Order 335335C05100RTV Origin:MY

User danchi Location:CONT00634194

ToPN WH: 335HN3



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ARROW ELECTRONICS, INC.

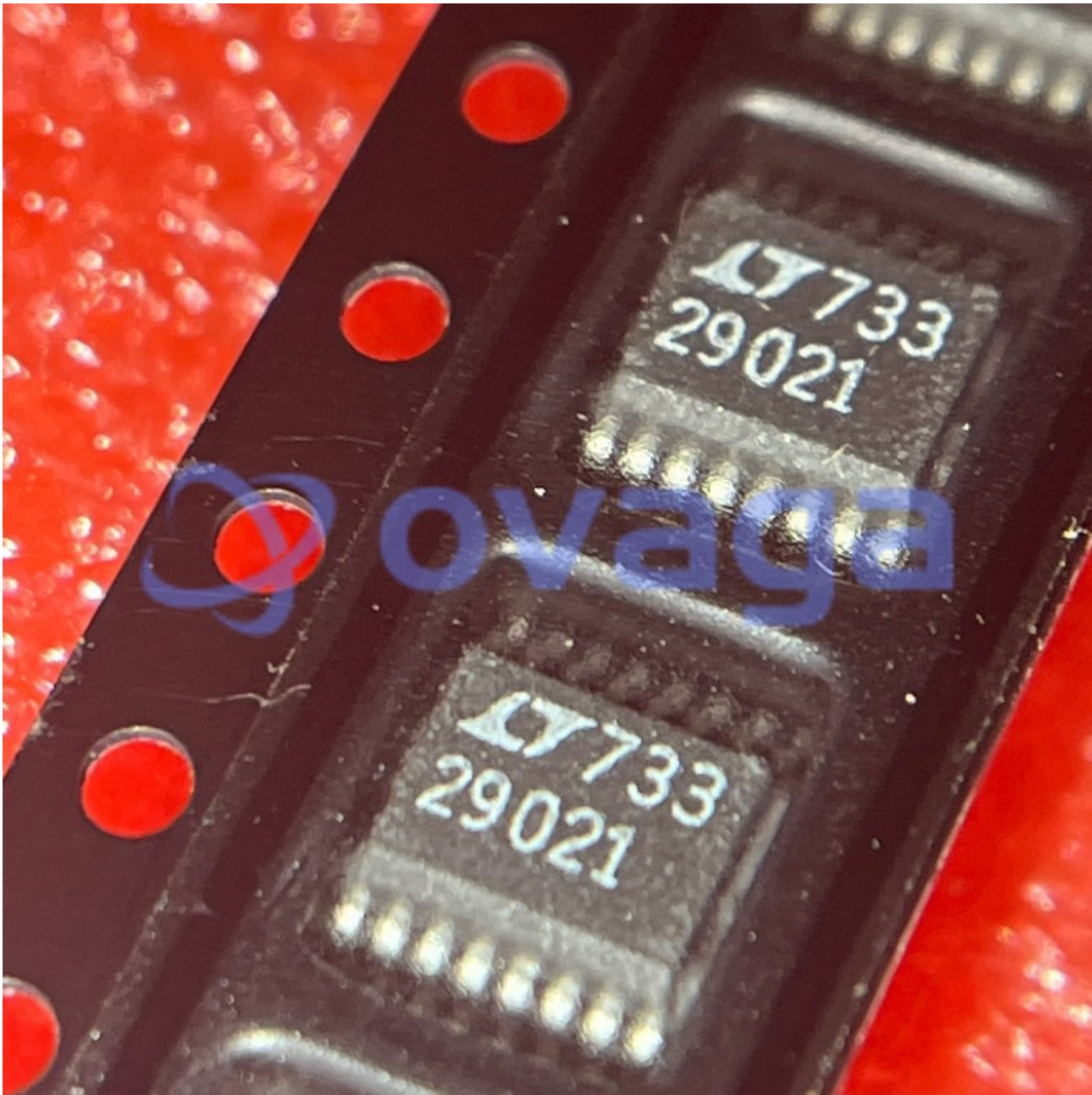
VENDOR

LTC

CUST PO. : 206503084

CUST PART : H0151506165-121

LTC2902-1CGN



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

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[LTM8045EY#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc

28-WFQFN