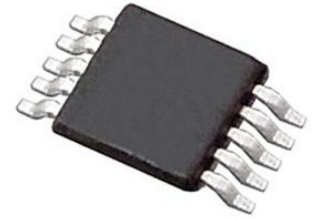


Supervisor, 5.5V-1.5V Supply, Threshold, 200ms Delay, Active-Low, Open-Drain, MSOP-10

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 LTC2917IMS-A1#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2917-A/LTC2917-B and LTC2918-A/LTC2918-B are low voltage single-supply monitors with selectable thresholds and an adjustable watchdog timer. The parts operate from 1.5V to 5.5V and consume a quiescent current of only 30 μ A.

Two three state inputs select one of nine internally programmed thresholds without the need for external resistors. For the LTC2917, an additional three state input determines the tolerance (-5%, -10%, -15%). The tolerance for the LTC2918 is fixed at -5%. Threshold accuracy is guaranteed at $\pm 1.5\%$ over the entire operating temperature range. Glitch filtering ensures reliable reset operation without false triggering.

The reset timeout and the watchdog timeout may be set with no external components, or adjusted using an external capacitor. A windowed watchdog feature is available for high-reliability applications (B1 versions). A separate manual reset input on the LTC2918-A/LTC2918-B allows a simple push button interface.

Operation to 125°C makes the LTC2917-A/LTC2917-B and LTC2918-A/LTC2918-B suitable for automotive applications.

Features

9 Selectable Supply Voltages

12V, 5V, 3.3V, 2.5V, 1.8V, 1.5V, 1.2V, 1V, +ADJ (0.5V)

3 Selectable Tolerances

Manual Reset Input (LTC2918)

1.5V to 5.5V Supply Operation

Adjustable Watchdog Timeout

Windowed Watchdog Timeout for Higher Reliability Applications (LTC2917-B, LTC2918-B)

6.2V Shunt Regulator for High Voltage Operation

Guaranteed Operation to 125°C

Guaranteed Threshold Accuracy: $\pm 1.5\%$

Low Quiescent Current: 30 μ A Typical

Power Supply Glitch Immunity

Guaranteed RST for VCC \geq 0.8V

10-Lead MSOP Packages and (3mm \times 2mm) DFN Packages

Application

Handheld Devices

Cell Phone Base Stations

Automotive Control Systems

Network Servers

Optical Networking Systems

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



[LTM8045EV#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

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