

Very Low Supply Current 3-Pin Microprocessor Reset Monitor, Supervisory Circuits ANA
2.93V MC RESET

Manufacturers	ON Semiconductor, LLC
Package/Case	SC-70-3
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MAX803SQ293T1G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MAX803/MAX809/MAX810 are microprocessor (μ P) supervisory circuits used to monitor the power supplies in μ P and digital systems. They provide excellent circuit reliability and low cost by eliminating external components and adjustments when used with +5V, +3.3V, +3.0V, or +2.5V powered circuits. These circuits perform a single function: they assert a reset signal whenever the VCC supply voltage declines below a preset threshold, keeping it asserted for at least 140ms after VCC has risen above the reset threshold. Reset thresholds suitable for operation with a variety of supply voltages are available. The MAX803 has an open-drain output stage, while the MAX809/MAX810 have push-pull outputs. The MAX803's open-drain active-low RESET output requires a pullup resistor that can be connected to a voltage higher than VCC. The MAX803/MAX809 have an active-low RESET output, while the MAX810 has an active-high RESET output. The reset comparator is designed to ignore fast transients on VCC, and the outputs are guaranteed to be in the correct logic state for VCC down to 1V. Low supply current makes the MAX803/MAX809/MAX810 ideal for use in portable equipment. The MAX803 is available in a 3-pin SC70 package, and the MAX809/MAX810 are available in 3-pin SC70 or SOT23 packages.

Features

Precision Monitoring of +2.5V, +3V, +3.3V, and +5V Power-Supply Voltages

Fully Specified Over Temperature

Available in Three Output Configurations

140ms min Power-On Reset Pulse Width

12 μ A Supply Current

Guaranteed Reset Valid to >

Power Supply Transient Immunity

No External Components

3-Pin SC70 and SOT23 Packages

AEC-Q100 Qualified. Refer to Ordering Information for Specific /V Versions

Application

ONSEMI



Related Products



[MAX803SQ463T1G](#)

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SC-70-3



[MAX803SQ308T1G](#)

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[MAX803SQ293D3T1G](#)

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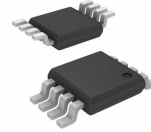
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