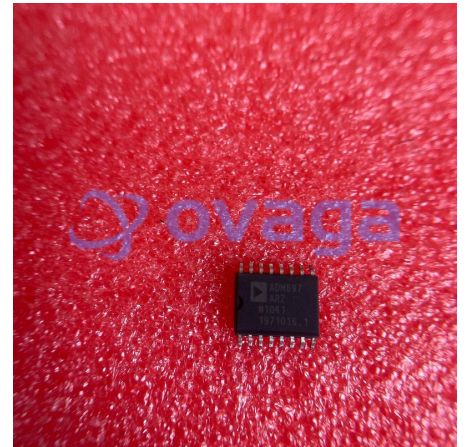


µP Supervisor with Chip Enable Signals, Adjustable Low Line Voltage Monitor, Adjustable Watchdog Timer, Low Line, Power Fail and Watchdog Status Outputs and 100mA Output Current; Package: SOIC - Wide; No of Pins: 16; Temperature Range: Industria

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-16
Product Type	Battery Management ; Battery Source Selectors IC
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADM697ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADM696/ADM697 are available in 16-pin DIP and small outline packages and provide the following functions:

Power-On Reset output during power-up, power-down and brownout conditions. The RESET voltage threshold is adjustable using an external voltage divider. The RESET output remains operational with VCC as low as 1 V.

A Reset pulse if the optional watchdog timer has not been toggled within specified time.

Separate watchdog time-out and low line status outputs.

Adjustable reset and watchdog timeout periods.

A 1.3 V threshold detector for power fail warning, low battery detection, or to monitor a power supply other than VCC.

Battery backup switching for CMOS RAM, CMOS micro-processor or other low power logic

(ADM696).

Write protection of CMOS RAM or EEPROM (ADM697).

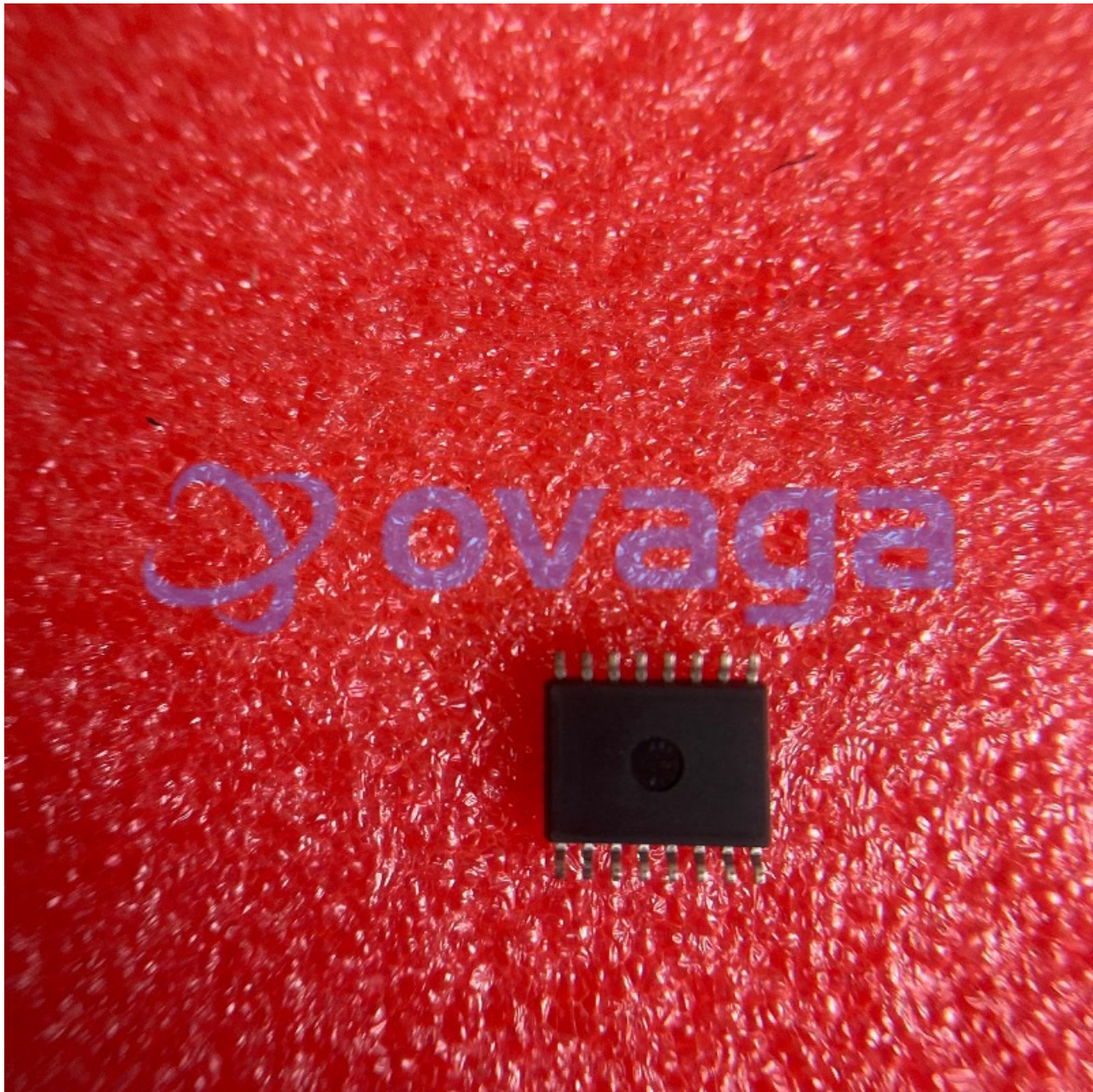
The ADM696/ADM697 is fabricated using an advanced epitaxial CMOS process combining low power consumption (5 mW), extremely fast Chip Enable gating (5 ns) and high reliability. RESET assertion is guaranteed with VCC as low as 1 V. In addition, the power switching circuitry is designed for minimal voltage drop thereby permitting increased output current drive of up to 100 mA without the need for an external pass transistor.

Features

Application

Superior Upgrade for MAX696/MAX697	Power-On Reset output during power-up, power-down and brownout conditions. The RESET voltage threshold is adjustable using an external voltage divider. The
Specified Over Temperature	RESET
Adjustable Low Line Voltage Monitor	CC A Reset pulse if the optional watchdog timer has not been toggled within specified time.
Power OK/Reset Time Delay	Separate watchdog time-out and low line status outputs.
Reset Assertion Down to 1 V VCC	Adjustable reset and watchdog timeout periods.
Watchdog Timer—100 ms, 1.6 s, or Adjustable	A 1.3 V threshold detector for power fail warning, low battery detection, or to monitor a power supply other than V
Low Switch On Resistance	CC
1.5 Ω Normal, 20 Ω in Backup	Battery backup switching for CMOS RAM, CMOS micro-processor or other low power logic
600 nA Standby Current	Write protection of CMOS RAM or EEPROM (ADM697).
Automatic Battery Backup Switching (ADM696)	
Fast On-Board Gating of Chip Enable Signals (ADM697)	
Voltage Monitor for Power Fail or Low Battery Warning	





Related Products



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc
MSOP-8



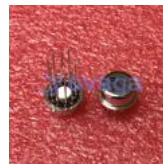
[AD737JRZ](#)

Analog Devices, Inc
SOP-8



[ADP3367ARZ](#)

Analog Devices, Inc
SOIC-8



[AD636JH](#)

Analog Devices, Inc
TO-100-10



[ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc
SOT-23-6



[ADR434BRZ](#)

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[ADR421ARZ](#)

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[ADR3412ARJZ-R7](#)

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