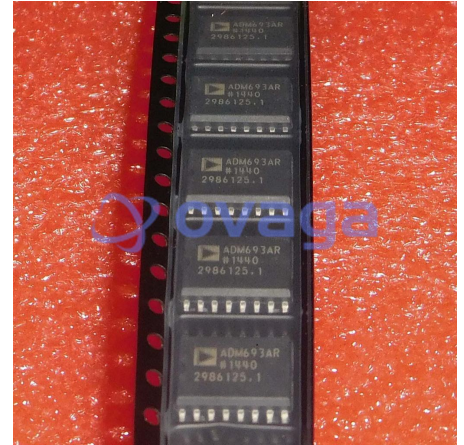


µP Supervisor with Backup Battery Switchover, Watchdog Feature, Power Fail Warning, 4.4V Threshold Voltage, 100mA Output Current; Package: SOIC - Wide; No of Pins: 16; Temperature Range: Commercial

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-16
Product Type	PMIC - Supervisors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADM693ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADM690, ADM692 and ADM694 are available in 8-pin DIP packages and provide:

Power-on reset output during power-up, power-down and brownout conditions. The RESET output remains operational with VCC as low as 1 V.

Battery backup switching for CMOS RAM, CMOS microprocessor or other low power logic.

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

A 1.3 V threshold detector for power fail warning, low battery detection, or to monitor a power supply other than +5 V.

The ADM691, ADM693 and ADM695 are available in 16-pin DIP and small outline packages and provide three additional functions:

Write protection of CMOS RAM or EEPROM.

Adjustable reset and watchdog timeout periods.

Separate watchdog timeout, backup battery switchover, and low VCC status outputs.

The ADM690-ADM695 family 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

Superior Upgrade for MAX690–MAX695

Specified Over Temperature

Low Power Consumption (5 mW)

Precision Voltage Monitor

Reset Assertion Down to 1 V VCC

Low Switch On-Resistance 1.5 Ω Normal, 20 Ω in Backup

High Current Drive (100 mA)

Watchdog Timer—100 ms, 1.6 s,  
or Adjustable

600 nA Standby Current

Automatic Battery Backup Power Switching

Extremely Fast Gating of Chip Enable Signals (5 ns)

Voltage Monitor for Power Fail

## Application

Power-on reset output during power-up, power-down and brownout conditions. The

RESET

output remains operational with V

CC

Battery backup switching for CMOS RAM, CMOS microprocessor or other low power logic.

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

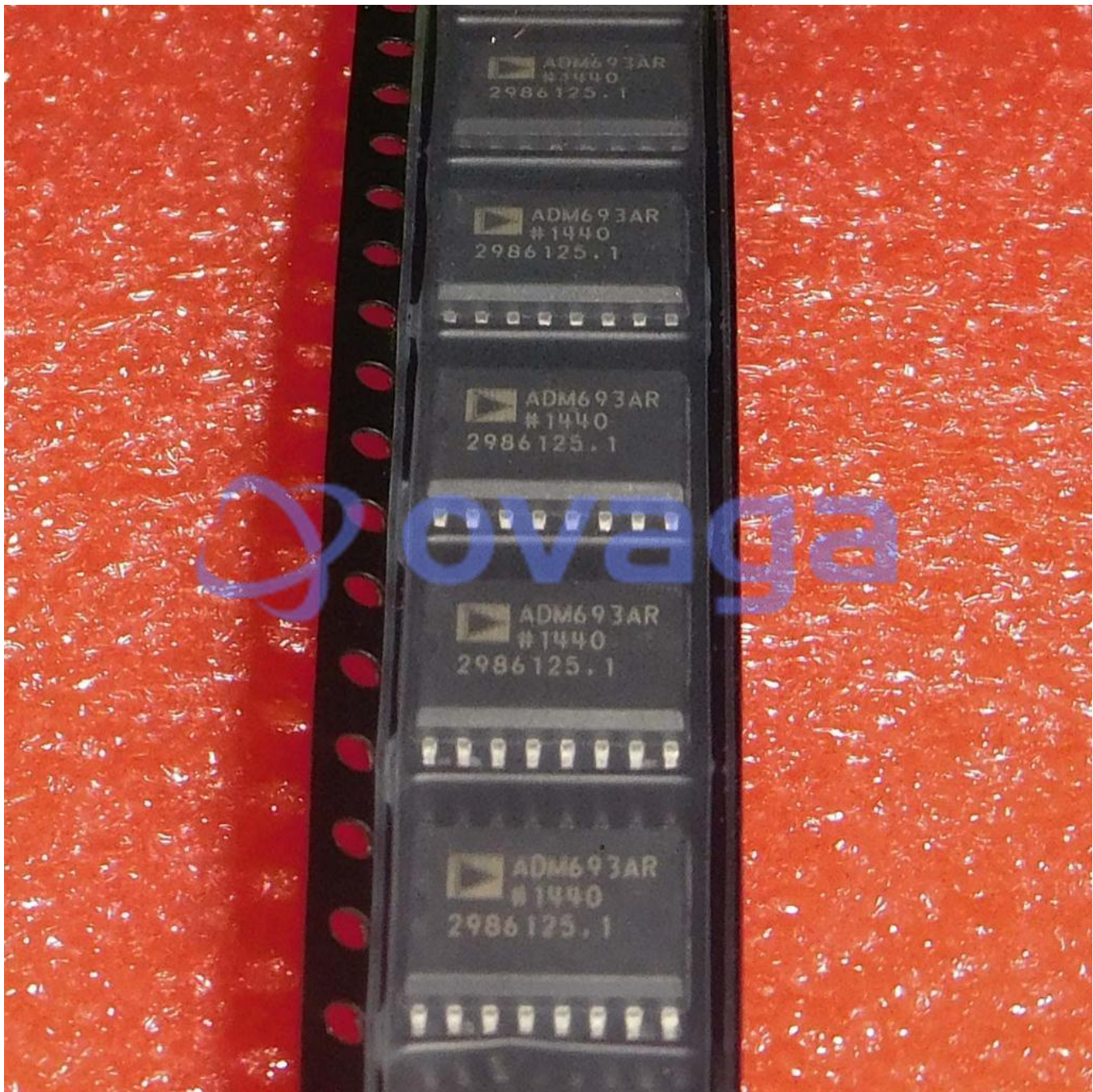
A 1.3 V threshold detector for power fail warning, low battery detection, or to monitor a power supply other than +5 V.

Write protection of CMOS RAM or EEPROM.

Adjustable reset and watchdog timeout periods.

Separate watchdog timeout, backup battery switchover, and low V

CC



## Related Products



### [ADP3336ARMZ-REEL7](#)

Analog Devices, Inc  
MSOP-8



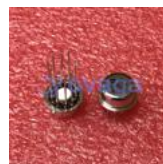
### [AD737JRZ](#)

Analog Devices, Inc  
SOP-8



### [ADP3367ARZ](#)

Analog Devices, Inc  
SOIC-8



### [AD636JH](#)

Analog Devices, Inc  
TO-100-10



[ADP3330ARTZ3.3-RL7](#)

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