Supervisor MPU 1V-5.5V Supply, 2.93V Threshold, 200ms Delay, Active-High/Low, SOIC-8

Manufacturers	Analog Devices, Inc
Package/Case	SOP-8
Product Type	PMIC - Supervisors
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for ADM708SARZ or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The ADM705/ADM706/ADM707/ADM708 microprocessorsupervisory circuits are suitable for monitoring 5 V powersupplies/batteries and microprocessor activity.

The ADM705/ADM706 provide power-supply monitoringcircuitry that generate a reset output during power-up, powerdown,and brownout conditions. The reset output remainsoperational with VCC as low as 1 V. Independent watchdogmonitoring circuitry is also provided. This is activated if thewatchdog input has not been toggled within 1.60 sec.

In addition, there is a 1.25 V threshold detector to warn ofpower failures, to detect low battery conditions, or to monitor anadditional power supply. An active low, debounced manual resetinput (MR) is also included.

The ADM705 and ADM706 are identical except for the resetthreshold monitor levels, which are 4.65 V and 4.40 V, respectively.

The ADM707 and ADM708 provide a similar functionality tothe ADM705 and ADM706 and only differ in that a watchdogtimer function is not available. Instead, an active high resetoutput (RESET) is available as well as the active low reset output(RESET). The ADM707 and ADM708 are identical except forthe reset threshold monitor levels, which are 4.65 V and 4.40 V,respectively.

All devices are available in narrow 8-lead PDIP and 8-lead SOICpackages.

Features

Guaranteed RESET valid with>

190 µA quiescent current

Precision supply voltage monitor

4.40 V (ADM706/ADM708)

200 ms reset pulse width

Debounced TTL/CMOS manual reset input (MR)

Active high reset output (ADM707/ADM708)

Voltage monitor for power fail or low battery warning

Superior upgrade for MAX705 to MAX708

Application

Microprocessor systems

Computers

Controllers

Intelligent instruments

Critical microprocessor supply monitoring

Related Products

ADP3336ARMZ-REEL7

Analog Devices, Inc

MSOP-8

AD737JRZ

Analog Devices, Inc

SOP-8

ADP3367ARZ

Analog Devices, Inc

SOIC-8

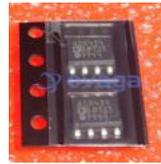**AD636JH**

Analog Devices, Inc

TO-100-10

ADP3330ARTZ3.3-RL7

Analog Devices, Inc

SOT-23-6

ADR434BRZ

Analog Devices, Inc

SOIC-8

ADR421ARZ

Analog Devices, Inc

SOP-8

ADR3412ARJZ-R7

Analog Devices, Inc

SOT-23-6