ADM8611N293ACBZ-R7

Data Sheet

Processor Supervisor 2.93V 1 Active Low/Open Drain 6-Pin WLCSP T/R

Manufacturers	Analog Devices, Inc
Package/Case	6-WFBGA, WLCSP
Product Type	Processor Supervisory Circuit
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for ADM8611N293ACBZ-R7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADM8611 / ADM8612 / ADM8613 / ADM8614 / ADM8615are voltage supervisory circuits that monitor power supply voltagelevels and code execution integrity in microprocessor-basedsystems. Apart from providing power-on reset signals, an onchipwatchdog timer can reset the microprocessor if it fails tostrobe within a preset timeout period. A reset signal can also beasserted by an external push-button through a manual reset input.

The ultralow power consumption of these devices makes themsuitable for power efficiency sensitive systems, such as batterypoweredportable devices and energy meters.

The features of each member of the device family are shown inTable 9. Each device subdivides into submodels with differencesin factory preset voltage monitoring threshold options. In therange of 2 V to 4.63 V, 10 options are available for the ADM8611.In the range of 2.32 V to 4.63 V, five options are available forboth the ADM8613 and ADM8614. A separate supply inputallows the ADM8612 and ADM8615 to monitor 20 differentlow voltage levels from 0.5 V to 1.9 V. Not all device options areavailable as standard models.

The ADM8611, ADM8612, ADM8613, and ADM8615 canreset on demand through the manual reset input. The watchdogfunction on the ADM8613, ADM8614, and ADM8615 monitorsthe heartbeat of the microprocessor through the WDI pin. TheADM8613 and ADM8614 have a watchdog disable input, whichallows the user to disable the watchdog function, if required. TheADM8614 also has a watchdog timeout extension input, allowingthe watchdog timeout to be extended from 1.6 sec to 100 sec.

The ADM8611 / ADM8612 / ADM8613 / ADM8614 / ADM8615are available in a 6-ball, 1.46 mm × 0.96 mm WLCSP. Thesedevices are specified over the temperature range of −40°C to +85°C.

Features

Ultralow power consumption with>

Continuous monitoring with no blank time

Pretrimmed voltage monitoring threshold options

10 options from 2 V to 4.63

Manual reset input

200 ms (typical) reset timeout

Active low, open-drain RESET output

Power supply glitch immunity

Available in a 1.46 mm × 0.96 mm WLCSP

Operational temperature range: −40°C to +85°C

Application

Portable/battery-operated equipment

Microprocessor systems

Energy metering

Energy harvesting

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

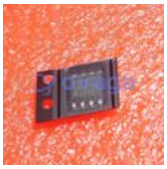
Analog Devices, Inc

SOT-23-6

ADR434BRZ

Analog Devices, Inc

SOIC-8



ADR421ARZ

Analog Devices, Inc

SOP-8

ADR3412ARJZ-R7

Analog Devices, Inc

SOT-23-6