

Clock Fanout Buffer 2-OUT 1-IN 1:2 12-Pin MSOP Tube

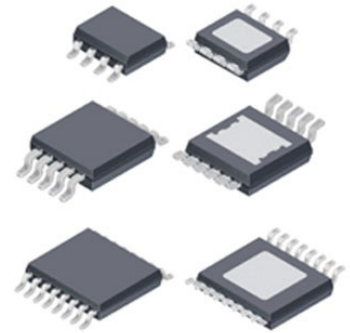
Manufacturer: [Analog Devices, Inc](#)

Package/Case: MSOP

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The LTC690 family provides complete power supply monitoring and battery control functions for microprocessor reset, battery back up, CMOS RAM write protection, power failure warning and watchdog timing. A precise internal voltage reference and comparator circuit monitor the power supply line. When an out-of-tolerance condition occurs, the reset outputs are forced to active states and the chip enable output unconditionally write-protects external memory. In addition, the RESET output is guaranteed to remain logic low even with VCC as low as 1V.

The LTC690 family powers the active CMOS RAMs with a charge pumped NMOS power switch to achieve low dropout and low supply current. When primary power is lost, auxiliary power, connected to the battery input pin, powers the RAMs in standby through an efficient PMOS switch.

For an early warning of impending power failure, the LTC690 family provides an internal comparator with a user-defined threshold. An internal watchdog timer is also available, which forces the reset pins to active states when the watchdog input is not toggled prior to a preset timeout period.

Key Features

Guaranteed Reset Assertion at VCC = 1V

1.5mA Maximum Supply Current

Fast (35ns Max) Onboard Gating of RAM Chip Enable Signals

SO-8 and S16 Packaging

4.65V Precision Voltage Monitor

Power OK/Reset Time Delay: 50ms, 200ms or Adjustable

Minimum External Component Count

1 μ A Maximum Standby Current

Voltage Monitor for Power-Fail or Low Battery Warning

Thermal Limiting

Performance Specified Over Temperature

Superior Upgrade for MAX690 Family

Application

Critical μ P Power Monitoring

Intelligent Instruments

Battery-Powered Computers and Controllers

Automotive Systems

Recommended For You

LTC6994HDCB-1#TRMPBF

Analog Devices, Inc
DFN

LTC6948IUFD-4#PBF

Analog Devices, Inc
QFN28

LTC6957HMS-3

Analog Devices, Inc
MSOP12

LTC6954IUFD-2#PBF

Analog Devices, Inc
QFN

LTC6951IUHF-1#PBF

Analog Devices, Inc
QFN40

AD9517-3ABCPZ

Analog Devices, Inc
QFN

AD9954YSV

Analog Devices, Inc
QFP

ADCLK914BCPZ-WP

Analog Devices, Inc
LFCSP-16

DS1244Y-70+

Analog Devices, Inc
DIP

AD7008JP50

Analog Devices, Inc
PLCC44

AD9952YSV

Analog Devices, Inc
QFP

AD9516-3BCPZ

Analog Devices, Inc
QFN

ADCLK944BCPZ-R2

Analog Devices, Inc
LFCSP16

AD9577BCPZ

Analog Devices, Inc
LFCSP-40

AD9543BCPZ

Analog Devices, Inc
LFCSP-48