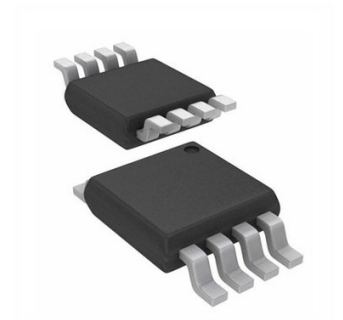


Processor Supervisor 2.93V 1 Active Low/Push-Pull Automotive 8-Pin VSSOP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: VSSOP-8

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The TPS3619 and TPS3620 families of supervisory circuits monitor and control processor activity by providing backup-battery switchover for data retention of CMOS RAM.

During power on, $\overline{\text{RESET}}$ is asserted when the supply voltage (V_{DD} or V_{BAT}) becomes higher than 1.1 V. Thereafter, the supply voltage supervisor monitors V_{DD} and keeps $\overline{\text{RESET}}$ output active as long as V_{DD} remains below the threshold voltage (V_{IT}). An internal timer delays the return of the output to the inactive state (high) to ensure proper system reset. The delay time starts after V_{DD} has risen above V_{IT} . When the supply voltage drops below V_{IT} , the output becomes active (low) again.

The product spectrum is designed for supply voltages of 3.3 V and 5 V. The TPS3619 and TPS3620 are available in an 8-pin MSOP package and are characterized for operation over a temperature range of -40°C to $+85^{\circ}\text{C}$.

Key Features

Supply Current of 40 μ A (Max)

Battery-Supply Current of 100 nA (Max)

Precision Supply Voltage Monitor 3.3 V, 5 V, Other Options on Request

Backup-Battery Voltage Can Exceed V_{DD}

Power On Reset Generator With Fixed 100-ms Reset Delay Time

Voltage Monitor For Power-Fail or Low-Battery Monitoring

Battery Freshness Seal (TPS3619)

Pin-For-Pin Compatible With MAX819, MAX703, and MAX704

8-Pin MSOP Package

Temperature Range -40°C to $+85^{\circ}\text{C}$

APPLICATIONS

Fax Machines

Set-Top Boxes

Advanced Voice Mail Systems

Portable Battery-Powered Equipment

Computer Equipment

Advanced Modems

Automotive Systems

Portable Long-Time Monitoring Equipment

Point-of-Sale Equipment

All other trademarks are the property of their respective owners

Recommended For You

TPD3S014DBVR

Texas Instruments, Inc

SOT23-6

TPS2065CDBVR

Texas Instruments, Inc

SOT23-5

TPS2557DRBT

Texas Instruments, Inc

SON8

TPS2042BDR

Texas Instruments, Inc

SOP8

TPS2051BDR

Texas Instruments, Inc

SOP8

TPL7407LPWR

Texas Instruments, Inc

TSSOP16

TPS23753APWR

Texas Instruments, Inc
TSSOP14

TPS2116DRLR

Texas Instruments, Inc
SOT5X3-8

TPS259460ARPWR

Texas Instruments, Inc
VQFN-10

TPS23751PWPR

Texas Instruments, Inc
HTSSOP16

TPS65150QPWPRQ1

Texas Instruments, Inc
HTSSOP-24

TPS2410PWR

Texas Instruments, Inc
TSSOP-14

TPS22914BYFPR

Texas Instruments, Inc
DSBGA4

TPS2115ADRBR

Texas Instruments, Inc
VSON8

TPS2113ADRBR

Texas Instruments, Inc
SON8