

Processor Supervisor 4.62V/4.37V 1 Active High/Active Low/Open Drain 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOP-8

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

TC1232 is a fully-integrated processor supervisor. It provides three important functions to safeguard processor sanity: precision power on/off reset control, watchdog timer and external reset override. On power-up, the TC1232 holds the processor in the reset state for a minimum of 250msec after VCC is within tolerance to ensure a stable system start-up. Microprocessor sanity is monitored by the on-board watchdog circuit. The microprocessor must provide a periodic low-going signal on the ST input. Should the processor fail to supply this signal within the selected time-out period (150msec, 600msec or 1200msec), an out-of-control processor is indicated and the TC1232 issues a processor reset as a result. The outputs of the TC1232 are immediately driven active when the PB input is brought low by an external push-button switch or other electronic signal. When connected to a push-button switch, the TC1232 provides contact debounce. The TC1232 is packaged in a space-saving 8-pin plastic DIP or SOIC package and requires no external components.

Key Features

No external components

Debounced manual reset input for external override



Recommended For You

TC7660COA

Microchip Technology, Inc

SOP8

TC54VC3002ECB713

Microchip Technology, Inc

SOT-23

TC4428ACOA

Microchip Technology, Inc

SOP8

TC429CPA

Microchip Technology, Inc

DIP8

TC4420EPA

Microchip Technology, Inc

DIP8

TC1232CPA

Microchip Technology, Inc

DIP8

TC1232COA

Microchip Technology, Inc

SOP-8

TC4427AEPA

Microchip Technology, Inc

DIP8

TC4421CAT

Microchip Technology, Inc

TO220-5

TC4420CPA

Microchip Technology, Inc

DIP8

TC4422EPA

Microchip Technology, Inc

DIP8

TC1240AECHTR

Microchip Technology, Inc

SOT23-6

TC4421CPA

Microchip Technology, Inc

DIP8

TC4420COA

Microchip Technology, Inc

SOP-8

TC7660HEOA

Microchip Technology, Inc

SOP-8