

Processor Supervisor 1 Open Drain/Push-Pull Automotive 5-Pin SOT-23 T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SOT23-5

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The STWD100 watchdog timer circuits are self-contained devices which prevent system failures that are caused by certain types of hardware errors (such as, non-responding peripherals and bus contention) or software errors (such as a bad code jump and a code stuck in loop).

The STWD100 watchdog timer has an input, WDI, and an output, WDO. The input is used to clear the internal watchdog timer periodically within the specified timeout period, t_{WD} . While the system is operating correctly, it periodically toggles the watchdog input, WDI. If the system fails, the watchdog timer is not reset, a system alert is generated and the watchdog output, WDO, is asserted.

The STWD100 circuit also has an enable pin, EN, which can enable or disable the watchdog functionality. The EN pin is connected to the internal pull-down resistor. The device is enabled if the EN pin is left floating.

Key Features

Automotive qualified



Recommended For You

STIS14PHR

STMicroelectronics, Inc
HSOP-8

ST890CDR

STMicroelectronics, Inc
SOP-8

STC3100IQT

STMicroelectronics, Inc
QFN

STM706TM6F

STMicroelectronics, Inc
SOP-8

STWD100NYWY3F

STMicroelectronics, Inc
SOT23-5

STPD01PUR

STMicroelectronics, Inc
24-QFN

STGAP2SICSNIR

STMicroelectronics, Inc
SOIC-8

STSPIN230

STMicroelectronics, Inc
VFQFPN16

STNS01PUR

STMicroelectronics, Inc
DFN-12

STWBC

STMicroelectronics, Inc
QFN32

STWBC2

STMicroelectronics, Inc
SOP

STMPS2171MIR

STMicroelectronics, Inc
SO-8

STSPIN240

STMicroelectronics, Inc
QFN16

STMPS2151MIR

STMicroelectronics, Inc
SOP8

STC3115IJT

STMicroelectronics, Inc
CSP-10