

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

Manufacturer:	STMicroelectronics, Inc.
Package/Case:	SOT23-5
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



General Description

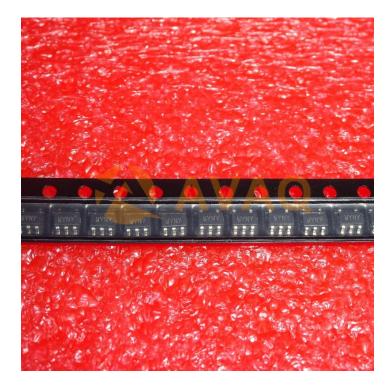
The STWD100 watchdog timer circuits are self-contained devices which prevent system failures that are caused by certain types of hardware errors (such as, non-responding peripherals and bus contention) or software errors (such as a bad code jump and a code stuck in loop).

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

STM706TM6F STMicroelectronics, Inc SOP-8

STGAP2SICSNIR STMicroelectronics, Inc SOIC-8

STWBC STMicroelectronics, Inc QFN32

STSPIN240 STMicroelectronics, Inc QFN16 ST890CDR STMicroelectronics, Inc SOP-8

STWD100NYWY3F STMicroelectronics, Inc SOT23-5

STSPIN230 STMicroelectronics, Inc VFQFPN16

STWBC2 STMicroelectronics, Inc SOP

STMPS2151MIR STMicroelectronics, Inc SOP8 STC3100IQT

STMicroelectronics, Inc

STPD01PUR

STMicroelectronics, Inc 24-QFN

STNS01PUR STMicroelectronics, Inc DFN-12

STMPS2171MIR

STMicroelectronics, Inc SO-8

STC3115IJT STMicroelectronics, Inc CSP-10