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

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

STWD100NYWY3F Image

Images are for reference only
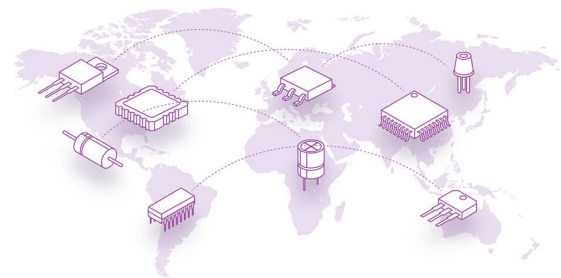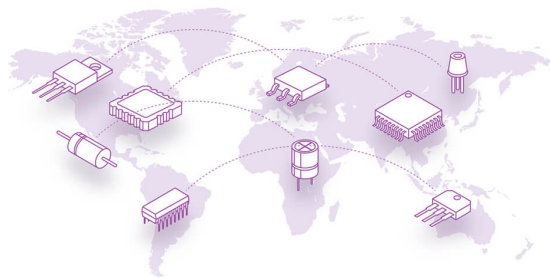
Inquiry

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

ST1S14PHR

STMicroelectronics, Inc

HSOP-8

ST890CDR

STMicroelectronics, Inc

SOP-8

STWD100YNYWY3F

STMicroelectronics, Inc

SOT23-5

STC3100IQT

STMicroelectronics, Inc

QFN

STM706TM6F

STMicroelectronics, Inc

SOP-8

STPD01PUR

STMicroelectronics, Inc

24-QFN

STGAP2SICSNTR

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SOIC-8

STSPIN230

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VFQFPN16

STNS01PUR

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DFN-12

STWBC

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QFN32

STWBC2

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SOP

STMPS2171MTR

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SO-8

STSPIN240

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QFN16

STMPS2151MTR

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SOP8

STC3115IJT

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CSP-10