

Processor Supervisor 1.235V 1 Active Low Automotive 8-Pin TSSOP T/R

Manufacturer:	Texas Instruments, Inc	UCC2946TPWRQ1 Image
Package/Case:	TSSOP8	Images are for reference only
Product Type:	Power Management ICs	Inquiry
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The UCC2946 is designed to provide accurate microprocessor supervision, including reset and watchdog functions. During power up, the device asserts a reset signal \overline{RES} with VDD as low as 1 V. The reset signal remains asserted until the VDD voltage rises and remains above the reset threshold for the reset period. Both reset threshold and reset period are programmable by the user.

The UCC2946 is also resistant to glitches on the VDD line. Once \overline{RES} has been deasserted, any drops below the threshold voltage need to be of certain time duration and voltage magnitude to generate a reset signal. These values are shown in. An I/O line of the microprocessor may be tied to the watchdog input (WDI) for watchdog functions. If the I/O line is not toggled within a set watchdog period, programmable by the user, \overline{WDO} is asserted. The watchdog function is disabled during reset conditions.

The UCC2946 is available in 8-pin TSSOP (PW) package to optimize board space.

Key Features

Qualified for Automotive Applications

Fully Programmable Reset Threshold

Fully Programmable Reset Period

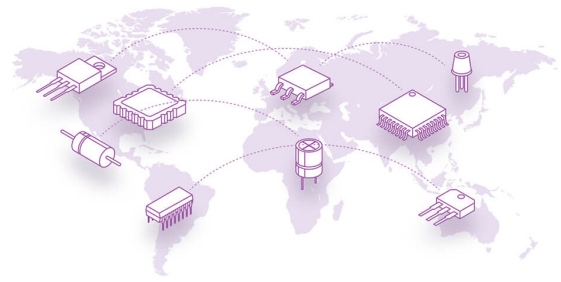
Fully Programmable Watchdog Period

2% Accurate Reset Threshold

Input Voltage Down to 2 V

Input 18- μ A Maximum Input Current

Reset Valid Down to 1 V



Recommended For You

UCC28064ADR

Texas Instruments, Inc

SOP16

UC3637N

Texas Instruments, Inc

DIP-18

UCC27517DBVR

Texas Instruments, Inc

SOT23-5

UCC28730QDRQ1

Texas Instruments, Inc

SOP7

UCC21222QDRQ1

Texas Instruments, Inc

SOP16

UCD9090QRGZRQ1

Texas Instruments, Inc

VQFN-48

UCC27531QDBVRQ1

Texas Instruments, Inc

SOT23-6

UCC27511AQDBVRQ1

Texas Instruments, Inc

SOT23-6

UCC2803QDRQ1

Texas Instruments, Inc

SOP8

UCC28951QPWRQ1

Texas Instruments, Inc

TSSOP24

UCC21320QDWKRQ1

Texas Instruments, Inc

SOIC-14

UCC27322QDGNRQ1

Texas Instruments, Inc

HVSSOP-8

UCC28950QPWRQ1

Texas Instruments, Inc

TSSOP24

UCC2808AQDR-2Q1

Texas Instruments, Inc

SOP8

UCC27524AQDRQ1

Texas Instruments, Inc

SOP8