
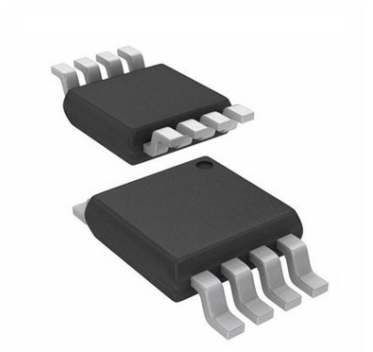


Monostable Multivibrator Single-Element -40°C 125°C 8-Pin SSOP T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	VSSOP8
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The SN74LVC1G123 device is a single retriggerable monostable multivibrator designed for 1.65-V to 5.5-V VCC operation.

This monostable multivibrator features output pulse-duration control by three methods. In the first method, the A input is low, and the B input goes high. In the second method, the B input is high, and the A input goes low. In the third method, the A input is low, the B input is high, and the clear (CLR) input goes high.

The output pulse duration is programmed by selecting external resistance and capacitance values. The external timing capacitor must be connected between Cext and Rext/Cext (positive) and an external resistor connected between Rext/Cext and VCC. To obtain variable pulse durations, connect an external variable resistance between Rext/Cext and VCC. The output pulse duration also can be reduced by taking CLR low.

Pulse triggering occurs at a particular voltage level and is not directly related to the transition time of the input pulse. The A and B inputs have Schmitt triggers with sufficient hysteresis to handle slow input transition rates with jitter-free triggering at the outputs.

Key Features

Available in the Texas Instruments NanoFree? Package

Supports 5-V VCC Operation

Inputs Accept Voltages to 5.5 V

Max tpd of 8 ns at 3.3 V

Supports Mixed-Mode Voltage Operation on All Ports

Supports Down Translation to VCC

Schmitt-Trigger Circuitry on A and B inputs have Schmitt triggers with sufficient hysteresis to handle slow input transition rates with jitter-free triggering at the outputs.

Recommended For You

SN74S38N

Texas Instruments, Inc
DIP

SN7438N

Texas Instruments, Inc
DIP14

SN75462P

Texas Instruments, Inc
DIP8

SN74F08D

Texas Instruments, Inc
SOP-14

SN74LS257BN

Texas Instruments, Inc
DIP16

SN75452BP

Texas Instruments, Inc
DIP8

SN74LS245DW

Texas Instruments, Inc
SOP20

SN74LS74AN

Texas Instruments, Inc
DIP

SN74S74N

Texas Instruments, Inc
DIP

SN7406N

Texas Instruments, Inc
DIP-14

SN74CBILV3257D

Texas Instruments, Inc
SOP-16P

SN74HC138DR

Texas Instruments, Inc
SOP16

SN74LS14N

Texas Instruments, Inc
DIP

SN74HC139N

Texas Instruments, Inc
DIP

SN74AVC16T245DGGR

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