

Monostable Multivibrator Dual-Element 0°C 70°C 16-Pin SOIC Rail



Images are for reference only

[Inquiry](#)

Manufacturer: [ON Semiconductor, LLC](#)

Package/Case: SOP

Product Type: Logic ICs

Lifecycle: Obsolete

General Description

These d-c triggered multivibrators feature output pulse-duration control by three methods. The basic pulse time is programmed by selection of external resistance and capacitance values (see typical application data). The '122 and 'LS122 have internal timing resistors that allow the circuits to be used with only an external capacitor, if so desired. Once triggered, the basic pulse duration may be extended by retriggering the gated low-level-active (A) or high-level-active (B) inputs, or be reduced by use of the overriding clear. Figure 1 illustrates pulse control by retriggering and early clear.

The 'LS122 and 'LS123 are provided enough Schmitt hysteresis to ensure jitter-free triggering from the B input with transition rates as slow as 0.1 millivolt per nanosecond.

The Rint is nominally 10 k for '122 and 'LS122.

Key Features

D-C Triggered from Active-High or Active-Low Gated Logic Inputs

Retriggerable for Very Long Output Pulses, Up to 100% Duty Cycle

Overriding Clear Terminates Output Pulse

'122 and 'LS122 Have Internal Timing Resistors

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Recommended For You

SN74LS688N

ON Semiconductor, LLC

DIP

SN54LS08J

ON Semiconductor, LLC

CDIP14

SN74LS280N

ON Semiconductor, LLC

DIP

SN74LS83AN

ON Semiconductor, LLC

DIP16

NCV1729SN35TIG

ON Semiconductor, LLC

SOT23-6

SN74LS258BN

ON Semiconductor, LLC

DIP16

SN74LS283MEL

ON Semiconductor, LLC

SOP16

SN74LS83AD

ON Semiconductor, LLC

SOP16-3.9MM

SN74LS283NG

ON Semiconductor, LLC

PDIP-16

SN74LS283D

ON Semiconductor, LLC

SOP16

SN74LS280DR2

ON Semiconductor, LLC

3.9mm-14

SN74LS684N

ON Semiconductor, LLC

DIP-20

SN74LS670D

ON Semiconductor, LLC

SOP-16

SN74LS283M

ON Semiconductor, LLC

SOP16

SN74LS181NG

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24-PDIP