


## Monostable Multivibrator Dual-Element -40°C 125°C 16-Pin SO

<b>Manufacturer:</b>	<u>Nexperia Semiconductor (NXP)</u>
<b>Package/Case:</b>	SOP16
<b>Product Type:</b>	Logic ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

74HC123D is a specific model of a dual retriggerable monostable multivibrator, which is an integrated circuit (IC) used for timing and control applications. The "74HC" part of the name indicates that this IC is part of the 74HC series of high-speed CMOS logic ICs, while the "123" indicates that it is a dual monostable multivibrator. The "D" at the end of the name indicates that it is in a SOIC (Small Outline Integrated Circuit) package.

### Key Features

- Dual retriggerable monostable multivibrator
- Schmitt-trigger input for noise immunity
- Output pulse duration can be adjusted using an external resistor and capacitor
- Output pulse width can be programmed either by an external trigger input or by an internal oscillator
- High-speed operation with a maximum propagation delay of 15 ns
- Wide operating voltage range of 2V to 6V
- Low power consumption

### Application

- Precision timing and delay generation
- Pulse-width modulation (PWM) generation
- Frequency division and multiplication
- Signal conditioning and shaping
- Control and sequencing of digital systems



## Recommended For You

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### 74HCT85N

Nexperia Semiconductor (NXP)

DIP16

### 74HCT123D

Nexperia Semiconductor (NXP)

SOP16

### 74LVCI1G1GW-Q100H

Nexperia Semiconductor (NXP)

SOT363

### 74LVC06APW-Q100J

Nexperia Semiconductor (NXP)

14-TSSOP

### 74LVC244APW,118

Nexperia Semiconductor (NXP)

TSSOP20

### 74LVCI1G123DC,125

Nexperia Semiconductor (NXP)

VSSOP8

### 74HCT123N

Nexperia Semiconductor (NXP)

DIP16

### 74LVCI1G14GW-Q100,1

Nexperia Semiconductor (NXP)

SOT353

### 74LVC86APW,118

Nexperia Semiconductor (NXP)

TSSOP14

### 74HCT280D

Nexperia Semiconductor (NXP)

3.9mm

### 74HC73D,653

Nexperia Semiconductor (NXP)

14-SO

### 74HC40105D

Nexperia Semiconductor (NXP)

SOP

### 74HC245PW,118

Nexperia Semiconductor (NXP)

TSSOP20

### 74LVC07APW,118

Nexperia Semiconductor (NXP)

TSSOP14

### 74HC4514D,653

Nexperia Semiconductor (NXP)

SOP-24