

Shift Register Single 8-Bit Serial/Parallel to Parallel

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	SOIC-16
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HEF4021BT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

HEF4021BT is a 8-stage static shift register IC (integrated circuit) made by Nexperia, which is a semiconductor company specializing in high-performance mixed-signal and standard products. Here are some of its features:

Features

It has a wide supply voltage range of 3 V to 15 V, making it compatible with a variety of digital circuits.

It has a maximum clock frequency of 25 MHz, which means it can handle relatively high-speed signals.

It has a parallel load input that allows the user to load data into all eight stages of the shift register simultaneously.

It has a serial data input and a serial data output that enable cascading multiple devices for larger register lengths.

It has a reset input that sets all stages to a predetermined state.

Application

Shift registers: HEF4021BT can be used as a simple 8-bit shift register, where each clock cycle shifts the data one bit to the right.

Parallel-to-serial conversion: By using the parallel load input, HEF4021BT can convert parallel data into serial data, which can be useful in communication systems.

Data storage: HEF4021BT can be used to store data in digital systems, as each stage of the shift register can hold one bit of information.



Related Products



[HEF4072BT](#)

NXP Semiconductor
SOIC-14



[HEF4025BT](#)

NXP Semiconductor
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[HEF40106BT](#)

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