HEF4093BP

Data Sheet

NAND GATE, 2I/P Logic Type:NAND Schmitt Trigger, Output Current:2.4mA, No. of Inputs:2, Supply Voltage Min:4.5V, Supply Voltage Max:15.5V

Manufacturers	NXP Semiconductor
Package/Case	DIP-16
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for HEF4093BP or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

HEF4093BP is a type of integrated circuit (IC) that belongs to the CMOS 4000 series family. Specifically, it is a quad 2-input NAND Schmitt trigger IC, which means that it contains four separate NAND gates that can be used to perform logic operations.

Features

Supply voltage range: 3 V to 15 V

High noise immunity: typically 30% of the supply voltage

Schmitt-trigger inputs for improved noise rejection and hysteresis

Low power consumption: typically 0.1 mW per gate

Wide operating temperature range: -40°C to 125°C

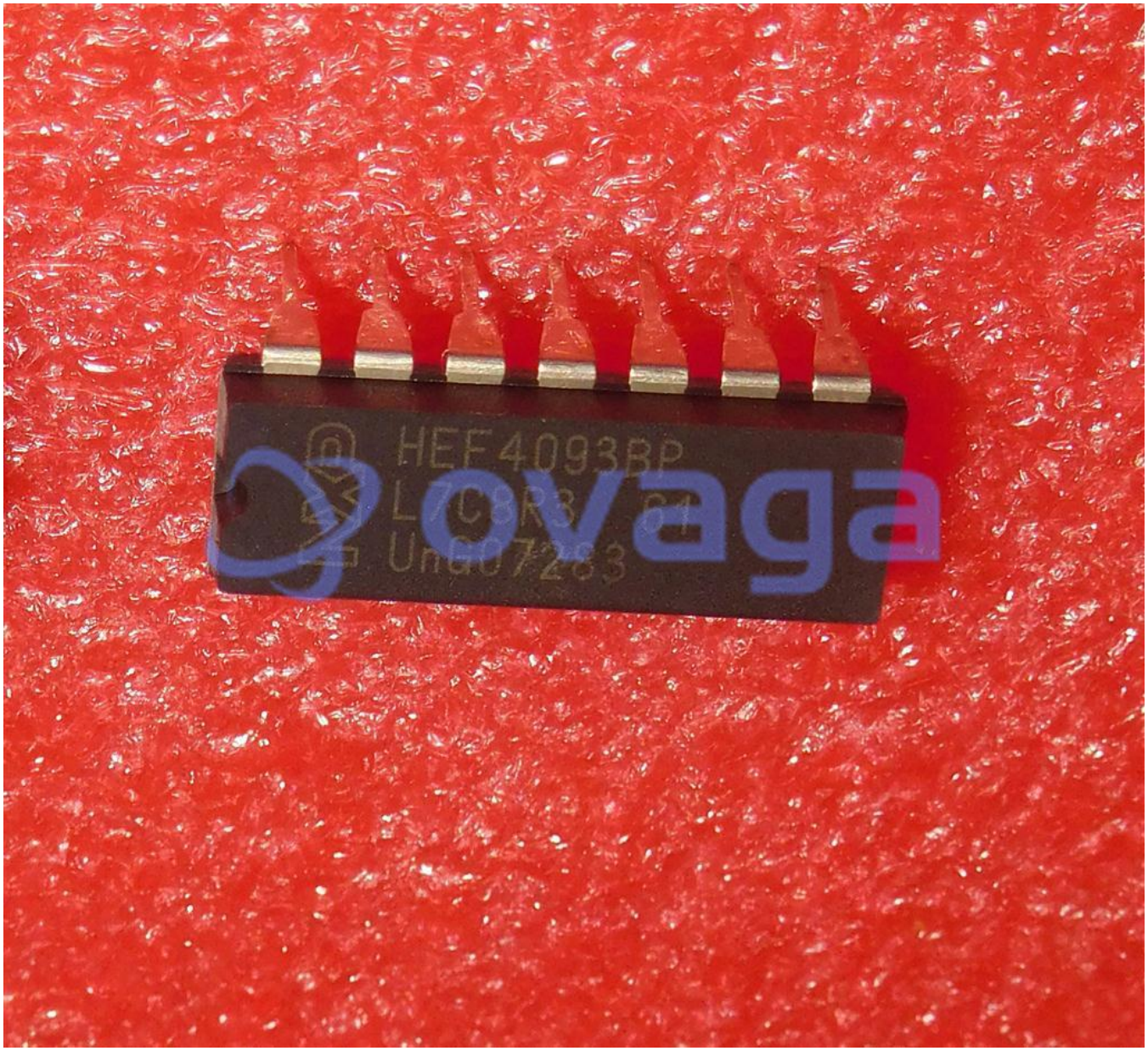
Application

Digital logic circuits: The NAND gates in the IC can be used to perform logical operations such as AND, OR, and NOT.

Oscillators: The Schmitt-trigger inputs and hysteresis make the HEF4093BP well-suited for use in oscillator circuits.

Signal conditioning: The IC can be used to condition noisy signals by applying hysteresis and noise rejection.

Timing circuits: The HEF4093BP can be used to generate precise timing signals.



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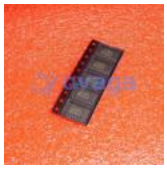
NXP Semiconductor

SOP-16

HEF4528BT

NXP Semiconductor

SOIC-16



HEF4060BT

NXP Semiconductor

SOP-16