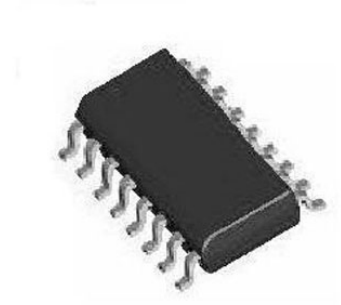


Latch Transparent 3-ST 4-CH SR-Type 16-Pin SOIC Tube**Manufacturer:** [Texas Instruments, Inc](#)**Package/Case:** SOIC-16**Product Type:** Logic ICs**RoHS:** RoHS Compliant/Lead free **Lifecycle:** Active

Images are for reference only

[Inquiry](#)**General Description**

CD4043B types are quad cross-coupled 3-state CMOS NOR latches and the CD4044B types are quad cross-coupled 3-state CMOS NAND latches. Each latch has a separate Q output and individual SET and RESET inputs. The Q outputs are controlled by a common ENABLE input. A logic "1" or high on the ENABLE input connects the latch states to the Q outputs. A logic "0" or low on the ENABLE input disconnects the latch states from the Q outputs, resulting in an open circuit condition on the Q outputs. The open circuit feature allows common bussing of the outputs.

The CD4043B and CD4044B types are supplied in 16-lead hermetic dual-in-line ceramic packages (F3A suffix), 16-lead dual-in-line plastic packages (E suffix), 16-lead small-outline package (D, DR, DT, DWR, and NSR suffixes), and 16-lead thin shrink small-outline packages (PW and PWR suffixes).

Key Features

3-state outputs with common output ENABLE

Separate SET and RESET inputs for each latch

NOR and NAND configurations

5-V, 10-V, and 15-V parametric ratings

Standardized symmetrical output characteristics

100% tested for quiescent current at 20 V

Maximum input current of 1 μ A at 18 V over full package temperature range; 100 nA at 18 V and 25°C

Noise margin (over full package temperature range):

1 V at VDD = 5 V

2 V at VDD = 10 V

2.5 V at VDD = 15 V

Meets all requirements of JEDEC Tentative Standard No. 13B, "Standard Specifications for Description of 'B' Series CMOS Devices"

Applications

Holding register in multi-register system

Four bits of independent storage with output ENABLE

Strobed register

General digital logic

CD4043B for positive logic systems

CD4044B for negative logic systems

Data sheet acquired from Harris Semiconductor

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Recommended For You

CD4070BE

Texas Instruments, Inc

DIP14

CD74HCT138E

Texas Instruments, Inc

DIP16

CD4098BE

Texas Instruments, Inc

DIP

CD74HC08E

Texas Instruments, Inc

DIP

CD74HC4075E

Texas Instruments, Inc

DIP

CD74ACT74E

Texas Instruments, Inc

DIP-14

CD74HC75E

Texas Instruments, Inc

DIP

CD4504BE

Texas Instruments, Inc

DIP16

CD4068BE

Texas Instruments, Inc

DIP

CD4081BE

Texas Instruments, Inc

DIP14

CD4001BE

Texas Instruments, Inc

DIP14

CD4512BE

Texas Instruments, Inc

DIP16

CD4069UBE

Texas Instruments, Inc

DIP14

CD74HCT151E

Texas Instruments, Inc

DIP

CD74HC04M

Texas Instruments, Inc

SOP14