

## XOR Gate 4-Element 2-IN CMOS 14-Pin SOIC Tube

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** SOP

**Product Type:** Logic ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

CD4030B types consist of four independent Exclusive-OR gates. The CD4030B provides the system designer with a means for direct implementation of the Exclusive-OR function.

The CD4030B types are supplied in 14-lead hermetic dual-in-line ceramic packages (F3A suffix), 14-lead dual-in-line plastic packages (E suffix), 14-lead small-outline packages (M, MT, M96, and NSR suffixes), and 14-lead thin shrink small-outline packages (PW and PWR suffixes).

## Key Features

Medium-speed operation— $t_{PHL}$ ,  $t_{PLH}$  = 65 ns (typ.) at  $V_{DD}$  = 10 V,  $C_L$  = 50 pF

100% tested for quiescent current at 20 V

Standardized, symmetrical output characteristics

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

Maximum input current of 1  $\mu$ 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  $V_{DD}$  = 5 V 2 V at  $V_{DD}$  = 10 V 2.5 V at  $V_{DD}$  = 15 V

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

Applications:

Even and odd-parity generators and checkers

Logical comparators

Adders/subtractors

General logic functions

Data sheet acquired from Harris Semiconductor

Description

CD4030B types consist of four independent Exclusive-OR gates. The CD4030B provides the system designer with a means for direct implementation of the Exclusive-OR function.

The CD4030B types are supplied in 14-lead hermetic dual-in-line ceramic packages (F3A suffix), 14-lead dual-in-line plastic packages (E suffix), 14-lead small-outline packages (M, MT, M96, and NSR suffixes), and 14-lead thin shrink small-outline packages (PW and PWR suffixes).

## 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