

## AND/OR Gate 4-Element 2-IN CMOS 16-Pin PDIP Tube

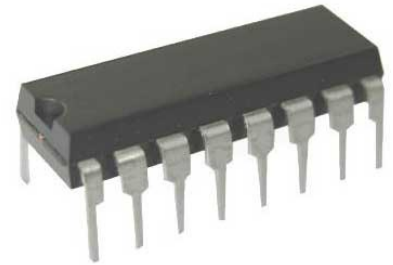
**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** DIP-16

**Product Type:** Logic ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

CD4019B types consist of four AND/OR select gate configurations, each consisting of two 2-input AND gates driving a single-input OR gate. Selection is accomplished by control bits Ka and Kb. In addition to selection of either channel A or channel B information, the control bits can be applied simultaneously to accomplish the logical A + B function.

The CD4019B 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 packages (M, M96, MT, and NSR suffixes), and 16-lead thin shrink small-outline packages (PW and PWR suffixes).

## Key Features

Medium speed operation.....tPHL = tPLH = 60 ns (typ.) at CL = 50 pF, VDD = 10 V

Standardized, symmetrical output characteristics

100% tested for quiescent current at 20 V

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

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

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 (full package-temperature range) = 1 V at VDD = 5 V 2 V at VDD = 10 V 2.5 V at VDD = 15 V

Applications:

AND-OR select gating

Shift-right/shift-left registers

True/complement selection

AND/OR/Exclusive-OR selection

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## Recommended For You

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### 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

### CD74ACT174E

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