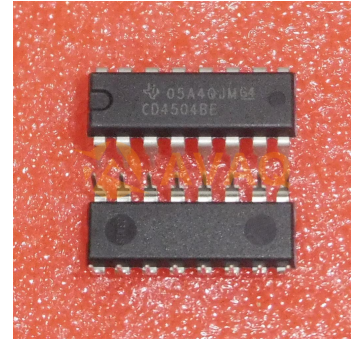


## Voltage Level Shifter CMOS/TTL to CMOS 6-CH Unidirectional 16-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

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

**Package/Case:** DIP16

**Product Type:** Logic ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

CD4504B hex voltage level-shifter consists of six circuits which shift input signals from the VCC logic level to the VDD logic level. To shift TTL signals to CMOS logic levels, the SELECT input is at the VCCHIGH logic state. When the SELECT input is a LOW logic state, each circuit translates signals from one CMOS level to another.

The CD4504B 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, and MT suffixes), and 16-lead thin shrink small-outline packages (PW and PWR suffixes).

### Key Features

Independence of power-supply sequence considerations - VCC can exceed VDD; input signals can exceed both VCC and VDD

Up and down level-shifting capability

Shiftable input threshold for either CMOS or TTL compatibility

Standardized symmetrical output characteristics

100% tested for quiescent current @ 20 V

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

5V, 10 V, and 15 V parametric ratings

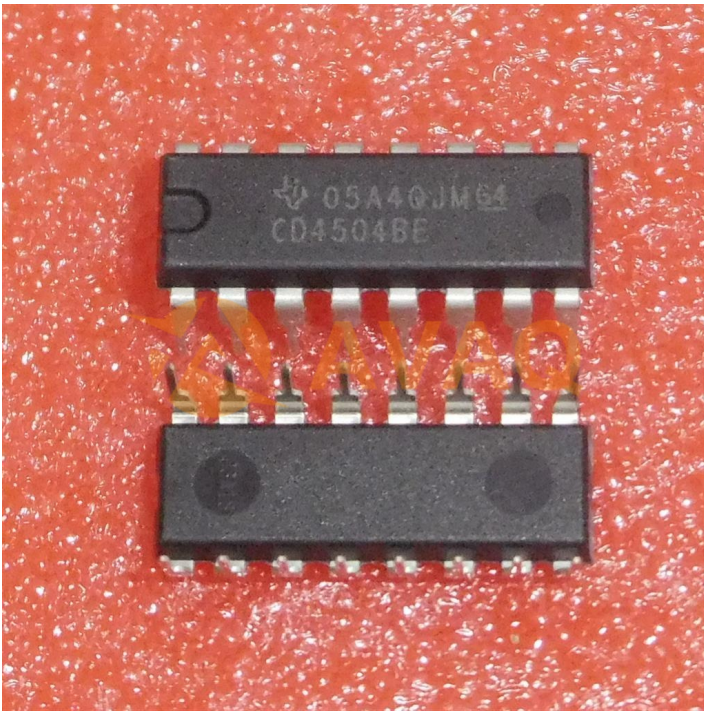
Meets all requirements of JEDEC Standard No. 13B, "Standard Specifications for Description of 'B' Series CMOS Devices"

Data sheet acquired from Harris Semiconductor.

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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

### **CD74ACT74E**

Texas Instruments, Inc

DIP-14

### **CD74HC75E**

Texas Instruments, Inc

DIP

### **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

### **CD4013BE**

Texas Instruments, Inc

DIP14