
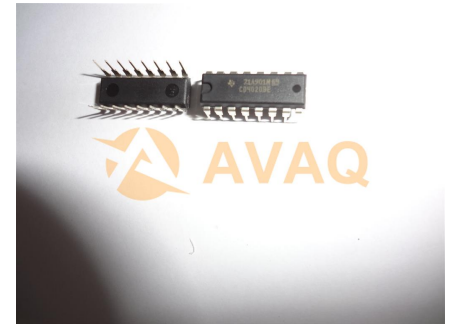


Counter/Divider Single 14-Bit Binary UP 16-Pin PDIP Tube

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	DIP16
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

CD4020B, CD4024B, and CD4040B are ripple-carry binary counters. All counter stages are master-slave flip-flops. The state of a counter advances one count on the negative transition of each input pulse; a high level on the RESET line resets the counter to its all zeros state. Schmitt trigger action on the input-pulse line permits unlimited rise and fall times. All inputs and outputs are buffered.

The CD4020B and CD4040B 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 (NSR suffix), and 16-lead thin shrink small-outline packages (PW and PWR suffixes). The CD4040B type also is supplied in 16-lead small-outline packages (M and M96 suffixes).

The CD4024B 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

Fully static operation

Buffered inputs and outputs

100% tested for quiescent current at 20 V

Standardized, symmetrical output characteristics

Fully static operation

Common reset

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

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:

Control counters

Timers

Frequency dividers

Time-delay circuits

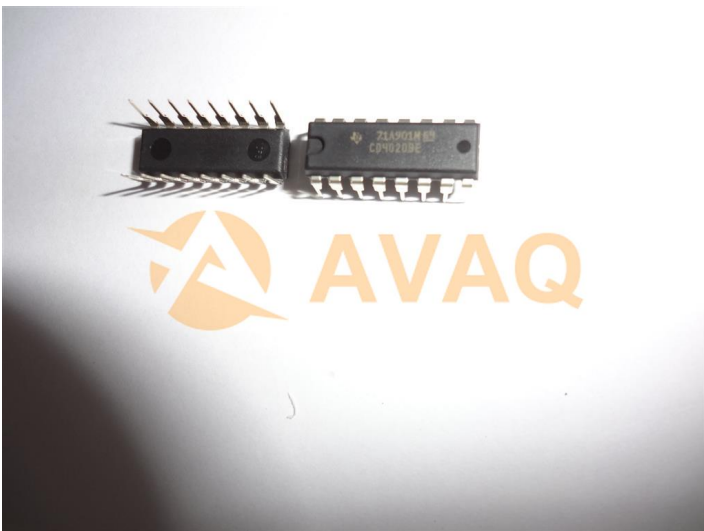
CD4020B - 14 Stage CD4024B - 7 Stage CD4040B - 12 Stage

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Recommended For You

CD4017BE

Texas Instruments, Inc

DIP16

CD40193BE

Texas Instruments, Inc

DIP

CD4024BM

Texas Instruments, Inc

SOP14

CD74AC161M

Texas Instruments, Inc

SOP16

CD4060BM

Texas Instruments, Inc

SOP

CD4520BE

Texas Instruments, Inc

DIP16

CD4040BE

Texas Instruments, Inc

DIP16

CD4026BE

Texas Instruments, Inc

DIP

CD4516BE

Texas Instruments, Inc

DIP16

CD4060BE

Texas Instruments, Inc

DIP16

CD40110BE

Texas Instruments, Inc

DIP

CD74HCT193E

Texas Instruments, Inc

DIP

CD4510BNSR

Texas Instruments, Inc

SOP16

CD4022BE

Texas Instruments, Inc

DIP

CD74HC193E

Texas Instruments, Inc

DIP