


Counter Dual 4-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

CD4518 Dual BCD Up-Counter and CD4520 Dual Binary Up-Counter each consist of two identical, internally synchronous 4-stage counters. The counter stages are D-type flip-flops having interchangeable CLOCK and ENABLE lines for incrementing on either the positive-going or negative-going transition. For single-unit operation the ENABLE input is maintained high and the counter advances on each positive-going transition of the CLOCK. The counters are cleared by high levels on their RESET lines.

The counter can be cascaded in the ripple mode by connecting Q4 to the enable input of the subsequent counter while the CLOCK input of the latter is held low.

The CD4518B and CD4520B 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 NSR suffixes), and 16-lead thin shrink small-outline packages (PW and PWR suffixes).

Key Features

Medium-speed operation - 6-MHz typical clock frequency at 10 V

Positive- or negative-edge triggering

Synchronous internal carry propagation

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

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

Standardized, symmetrical output characteristics

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

Applications

Multistage synchronous counting

Multistage ripple counting

Frequency dividers

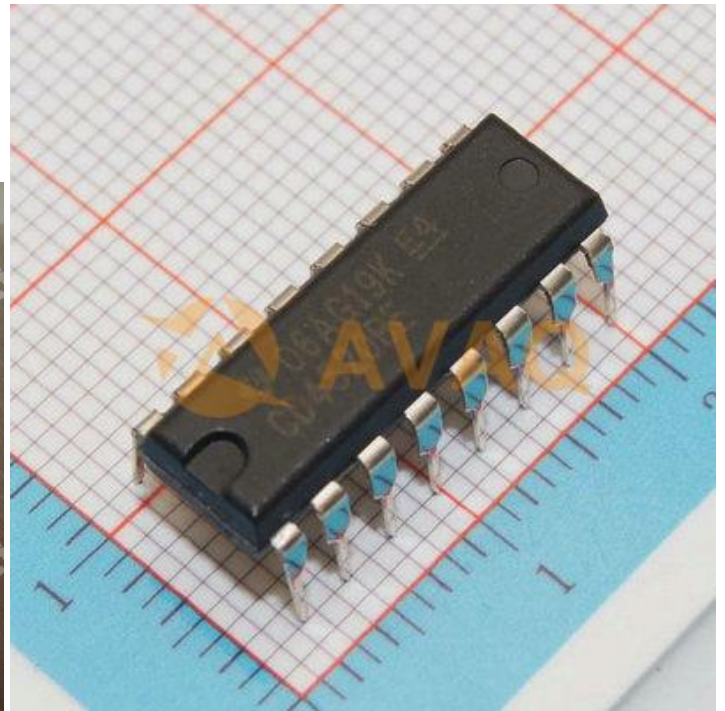
Data sheet acquired from Harris Semiconductor.

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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

CD4040BE

Texas Instruments, Inc

DIP16

CD4026BE

Texas Instruments, Inc

DIP

CD4516BE

Texas Instruments, Inc

DIP16

CD4060BE

Texas Instruments, Inc

DIP16

CD4020BE

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