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

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free RoHS
Lifecycle:	Active
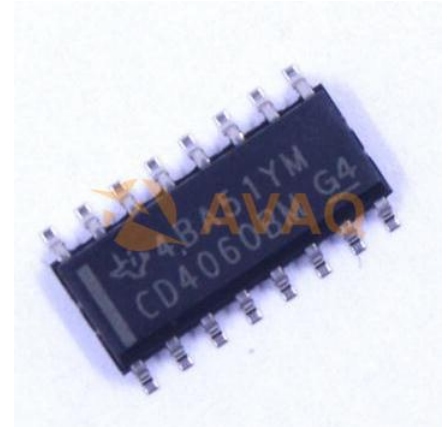
Images are for reference only

Inquiry

General Description

CD4060B consists of an oscillator section and 14 ripple-carry binary counter stages.The oscillator configuration allows design of either RC or crystal oscillator circuits.A RESETinput is provided which resets the counter to the all-O's state and disables the oscillator.A high level on the RESET line accomplishes the reset function. All counter stages are master-slave flip-flops.The state of the counter is advanced one step in binary order on the negative transition ofO).All inputs and outputs are fully buffered. Schmitt trigger action on the input-pulse line permits unlimited input-pulserise and fall times.

The CD4060B-series 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

12 MHz clock rate at 15 V

Common reset

Fully static operation

Buffered inputs and outputs

Schmitt trigger input-pulse line

100% tested for quiescent current at 20 V

Standardized, symmetrical output characteristics

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

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

Oscillator :
All active components on chip

RC or crystal oscillator configuration

RC oscillator frequency of 690 kHz min. at 15 V
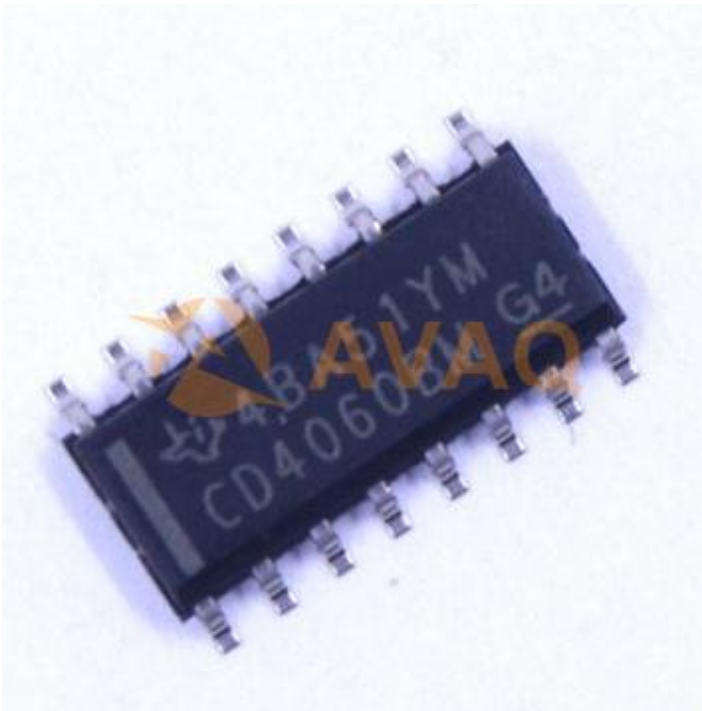
Applications
Control counters

Timers

Frequency dividers

Time-delay circuits

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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

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

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