

ID MOS Digital I.P. SHORTFORM

IM192: Timer / Counter

PRODUCT DESCRIPTION

Timer/Counter is 16-bit timer/counter compatible with 80C52 Timer 2. It can be programmed to operate either as a timer or event counter. It has two operating modes: capture and auto-reload.

FEATURES

- 80C52 Timer 2 Compatible Timer
- 16 bit Timer/Counter
- Capture/Preload mode
- Maskable Interrupt
- Maximum count rate in counter mode: Half of the clock frequency
- Count Rate in Timer Mode: Clock Frequency.

TYPICAL APPLICATIONS

- Programmable Clock Generation
- External Event Counter
- Timer

BLOCK DESCRIPTION

