

ID MOS Digital I.P. SHORTFORM

IM158: Watchdog

PRODUCT DESCRIPTION

Watchdog is used in wide variety of industrial and commercial applications for improved reliability of the microprocessor systems.

WatchDog supervises the program execution of the host microprocessor. It is a 32-bit counter, which initializes the processor upon reaching overflow condition. The timeout period is programmable.

FEATURES

- Programmable timeout through a 32-bit counter
- 8-bit data bus
- Maskable interrupt output signal
- External reload input

TYPICAL APPLICATIONS

- Master/Slave Communication
- Timeout Generator
- 32-bit Timer

BLOCK DESCRIPTION

