

ID MOS Digital I.P. SHORTFORM

IM194: Real Time Clock / Calendar

PRODUCT DESCRIPTION

The Real Time Clock (RTC) consists of a clock/calendar, prescaler and an alarm circuit that compares the alarm registers with the Second, Minute, Hour, Day-of-week, Date, Month and Year counter registers and activate the interrupt output when they are.

The disconnection of one or more alarm registers is possible. The disconnected registers will not be compared to the corresponding counter registers.

FEATURES

- Full Clock Features – Seconds, Minutes, Hours (AM/PM), Day-of-Week, Date, Month, Year (00-99), Auto Leap Year
- Counter Registers Utilizing BCD (Binary Coded Decimal) Data
- Alarm Logic With Interrupt Request Output

TYPICAL APPLICATIONS

- Automotive
- Consumer Electronics
- Industrial Processes Automation
- Home Automation

BLOCK DESCRIPTION

