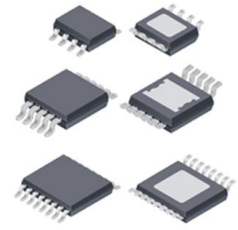


**Real Time Clock Serial 64byte
Clock/Calendar/Alarm/Interrupt/Watchdog Timer/Battery Backup
Automotive 14-Pin SOIC N Tube**



Images are for reference only

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOIC

Product Type: Clock & Timer ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The MCP795W10 SPI RTCC is highly integrated with memory and advanced features normally found in higher priced devices. By starting with a basic real-time clock, digital trimming was added for higher accuracy, a battery switchover for backup power, a timestamp to log power failures and three types of memory, which includes SRAM, EEPROM and a blank unique ID in a locked section of EEPROM that can also be ordered with a 48-bit or 64-bit MAC Address. Then by adding a watchdog timer and two programmable event detect inputs, lower power and more system robustness can be achieved by performing these functions and allowing the MCU to sleep for longer periods of time.

Key Features

Real-time clock/calendar (RTCC)

On-chip digital trimming/calibration - ± 255 PPM range in 1 PPM steps

Clock-out function

2 Programmable alarms - supports IRQ or WDO

Programmable open drain output - alarm or interrupt

Power-fail time-stamp at battery switchover

Logs time when VCC fails and VCC is restored

Low operating current

Backup power for timekeeping and SRAM retention

64-byte Battery-backed SRAM

EUI-48™ or EUI-64™ MAC address

128-bit Unique ID in protected area of EEPROM - Unlock sequence for user programming

Dual configurable event detect inputs

Programmable watchdog timer

Recommended For You

MCP79400-I/MS

Microchip Technology, Inc
MSOP-8

MCP79520-I/MS

Microchip Technology, Inc
MSOP10

MCP7940N-I/MS

Microchip Technology, Inc
MSOP8

PL611-01-NI2MC

Microchip Technology, Inc
MSOP

MCP795W22-I/ST

Microchip Technology, Inc
TSSOP

MCP79522T-I/MN

Microchip Technology, Inc
TDFN

MCP795W20-I/ST

Microchip Technology, Inc
TSSOP

MCP7940M-I/P

Microchip Technology, Inc
PDIP

MCP7940M-I/MS

Microchip Technology, Inc
MSOP-8

MCP79410T-I/ST

Microchip Technology, Inc
TSSOP8

MCP795W22-I/SL

Microchip Technology, Inc
SOIC-14

MCP795W11-I/ST

Microchip Technology, Inc
TSSOP

MCP795W10T-I/ST

Microchip Technology, Inc
TSSOP

MCP79400T-I/MS

Microchip Technology, Inc
MSOP8

MCP795W10T-I/SL

Microchip Technology, Inc
SOIC