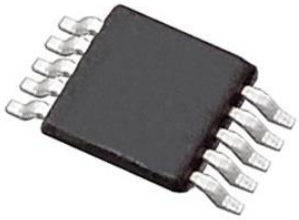
MCP79510-I/MS

Data Sheet

Real Time Clock SPI GP RTCC 1Kb EE 64B SRAM ID

Manufacturers	Microchip Technology, Inc
Package/Case	MSOP-10
Product Type	Clock & Timer ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP79510-I/MS or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MCP79510 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. The ID is blank in this device, but can also be ordered with a 48-bit or 64-bit MAC Address.

Features

Low Power Operation

VCC>

Low Backup Power

VBAT>

Ibat < 700nA Typical Timekeeping & SRAM Retention Current

Automatic Battery Switchover with Timestamp

Dual configurable alarms with a 0.01 sec count on one alarm

Clock Out frequencies: 32.768, 8.192 & 4.096 KHz and 1 Hz

Digital Trimming Range from -255 to + 255 ppm in 1 ppm steps

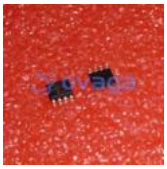
Adjusts up to 22 seconds/day

EEPROM has 8 Bytes/Page with Block Sector write protection

Protect: None, 1/4, 1/2 or all of array

Factory standard MAC address programming or custom ID available

Related Products



MCP79412-I/SN

Microchip Technology, Inc

SOIC-8

MCP79410T-I/SN

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SOIC-8

MCP79411-I/SN

Microchip Technology, Inc

SOIC-8

MCP79511-I/MS

Microchip Technology, Inc

MSOP-10

MCP79411-I/MS

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MSOP-8

MCP79410T-I/MNY

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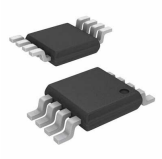
TDFN-8



MCP79410T-I/MS

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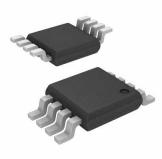

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