

MCP7940MT-I/SN

Data Sheet

Alarm RTC IC, Date Time Format (Day/Date/Month/Year hh:mm:ss), I2C, 1.8 V to 5.5 V supply, SOIC-8

Manufacturers <u>Microchip Technology</u>, Inc

Package/Case SOIC-8

Product Type Clock & Timer ICs

RoHS Rohs

Lifecycle



Images are for reference only

Please submit RFQ for MCP7940MT-I/SN or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFO

General Description

The MCP7940M I2CTM compatible real-time clock/calendar (RTCC) includes SRAM and a digital trimming circuit for accuracy which is normally found in higher priced devices. Using a low-cost 32,768 kHz crystal or other clock source, time is tracked in either a 12-hour or 24-hour format with an AM/PM indicator and timing to the second, minute, hour, day of the week, day, month and year. As an interrupt or wakeup signal, a multifunction open drain output can be programmed as an Alarm Out or as a Clock Out that supports 4 selectable frequencies.

Features Timekeeping Real-Time Clock/Calendar (RTCC) Hours, Minutes, Seconds, Day of Week, Day, Month, Year Leap year compensated to 2399 12/24 hour modes On-Chip Digital Trimming/Calibration 1 PPM Resolution Dual Programmable Alarms Versatile Output Pin Clock output with selectable frequency Alarm output General Purpose output 64 Bytes SRAM 2-Wire Serial Interface, I2CTMCompatible I2C Clock Frequency up to 400 kHz Low-Power Wide Voltage Range Operating Voltage 1.8V to 5.5V

Related Products

Low Typical Timekeeping Current



MCP79412-I/SN Microchip Technology, Inc

SOIC-8



Microchip Technology, Inc SOIC-8



MCP79410T-I/SN

Microchip Technology, Inc SOIC-8



MCP79511-I/MS

Microchip Technology, Inc MSOP-10

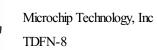
MCP79510-I/MS



Microchip Technology, Inc MSOP-10



MCP79410T-I/MNY





MCP79411-I/MS

Microchip Technology, Inc MSOP-8



MCP79410T-I/MS

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