

Image may be representation.
See specifications for product details.



MCP7940M-I/SN

| | |
|--------------------------|---------------------------------|
| Manufacturer Part Number | MCP7940M-I/SN |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-MCP7940M-I/SN |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC RTC CLK/CALENDAR I2C 8SOIC |
| Package | 8-SOIC (0.154", 3.90mm Width) |
| Data sheet | MCP7940M.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

MCP7940M-I/SN - Microchip Technology. New Original in Stock. Download Linear Technology MCP7940M-I/SN datasheet/specifications on AllelcoElec.com.
Request a quote for MCP7940M-I/SN, please send us email: info@allelco.com

Specifications

MCP7940M-I/SN Tech Specifications
MCP7940M-I/SN - Microchip Technology technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|---------------------------|-------------------------------|-----------------------------|--|
| Manufacturer | Microchip Technology | Operating Temperature | -40°C ~ 85°C |
| Voltage - Supply, Battery | - | Mounting Type | Surface Mount |
| Voltage - Supply | 1.8V ~ 5.5V | Memory Size | 64B |
| Type | Clock/Calendar | Interface | I ² C, 2-Wire Serial |
| Time Format | HH:MM:SS (12/24 hr) | Features | Alarm, Leap Year, Square Wave Output, SRAM |
| Supplier Device Package | 8-SOIC | Date Format | YY-MM-DD-dd |
| Series | - | Current - Timekeeping (Max) | 1µA @ 5.5V |
| Package / Case | 8-SOIC (0.154", 3.90mm Width) | Base Product Number | MCP7940 |
| Package | Tube | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP7940M-I/SN

| Product Attribute | | | | |
|-----------------------------|--|---|--|---|
| Part Number | MCP7940M-I/SN | MCP79401-I/ST | MCP7940M-I/MS | MCP79402-I/SN |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Supplier Device Package | 8-SOIC | 8-TSSOP | 8-MSOP | 8-SOIC |
| Features | Alarm, Leap Year, Square Wave Output, SRAM | Alarm, Leap Year, Square Wave Output, SRAM, Unique ID | Alarm, Leap Year, Square Wave Output, SRAM | Alarm, Leap Year, Square Wave Output, SRAM, Unique ID |
| Memory Size | 64B | 64B | 64B | 64B |
| Series | - | - | - | - |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Interface | I ² C, 2-Wire Serial | I ² C, 2-Wire Serial | I ² C, 2-Wire Serial | I ² C, 2-Wire Serial |
| Package / Case | 8-SOIC (0.154", 3.90mm Width) | 8-TSSOP (0.173", 4.40mm Width) | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) | 8-SOIC (0.154", 3.90mm Width) |
| Operating Temperature | -40°C ~ 85°C | -40°C ~ 85°C | -40°C ~ 85°C | -40°C ~ 85°C |
| Date Format | YY-MM-DD-dd | YY-MM-DD-dd | YY-MM-DD-dd | YY-MM-DD-dd |
| Current - Timekeeping (Max) | 1µA @ 5.5V | 1.2µA (Typ) @ 3.3V | 1µA @ 5.5V | 1.2µA (Typ) @ 3.3V |
| Type | Clock/Calendar | Clock/Calendar | Clock/Calendar | Clock/Calendar |
| Package | Tube | Tube | Tube | Tube |
| Voltage - Supply, Battery | - | 1.3V ~ 5.5V | - | 1.3V ~ 5.5V |
| Base Product Number | MCP7940 | MCP79401 | MCP7940 | MCP79402 |
| Time Format | HH:MM:SS (12/24 hr) | HH:MM:SS (12/24 hr) | HH:MM:SS (12/24 hr) | HH:MM:SS (12/24 hr) |
| Voltage - Supply | 1.8V ~ 5.5V | 1.8V ~ 5.5V | 1.8V ~ 5.5V | 1.8V ~ 5.5V |

MCP7940M-I/SN Datasheet PDF

Download MCP7940M-I/SN pdf datasheets and Microchip Technology documentation for MCP7940M-I/SN - Microchip Technology.

Datasheets

[MCP7940M.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Assembly/Origin






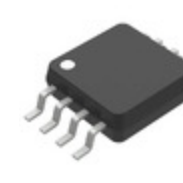



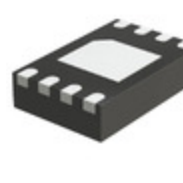

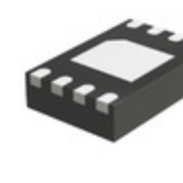

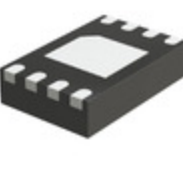




[Manufacturing Change 07/Apr/2022.pdf](#)

PCN Design/Specification

[MCP7940M 20/Aug/2018.pdf](#)

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| MCP79401-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP7940M-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP79402-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP79401-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP7940N-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP79402-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP |
|  |  |  |  |  |  |
| MCP79402-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP7940N-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP7940NT-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP79401T-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN | MCP7940N-I/P Microchip Technology IC RTC CLK/CALENDAR I2C 8DIP | MCP7940MT-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN |
|  |  |  |  |  |  |
| MCP7940NT-E/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP7940NT-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN | MCP79400T-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP7940N-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP79402T-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP7940MT-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC |

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

| Common Countries Logistic Time Reference | | |
|--|----------------|--------------------|
| Region | Country | Logistic Time(Day) |
| America | United States | 5 |
| | Brazil | 7 |
| Europe | Germany | 5 |
| | United Kingdom | 4 |
| | Italy | 5 |
| Oceania | Australia | 6 |
| | New Zealand | 7 |
| Asia | India | 6 |
| | Japan | 7 |
| Middle East | Israel | 6 |

| DHL & FedEx Shipment Charges Reference | |
|--|----------------------|
| Shipment charges(KG) | Reference DHL(USD\$) |
| 0.00kg-1.00kg | USD\$60.00 |
| 1.00kg-2.00kg | USD\$70.00 |
| 2.00kg-3.00kg | USD\$80.00 |

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

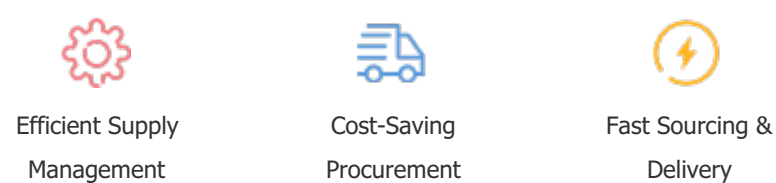
Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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