

Image may be representation.
See specifications for product details.



MCP7940N-I/P

| | |
|--------------------------|---|
| Manufacturer Part Number | MCP7940N-I/P |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-MCP7940N-I/P |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC RTC CLOCK/CALENDAR I2C 8DIP |
| Package | 8-DIP (0.300", 7.62mm) |
| Data sheet | I²C™ & SPI Family Brochure.pdf MCP7940N.pdf |
| RoHs Status | ROHS3 Compliant |

[Get a Quote](#)

MCP7940N-I/P - Microchip Technology. New Original in Stock. Download Linear Technology MCP7940N-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for MCP7940N-I/P, please send us email: info@allelco.com

Specifications

MCP7940N-I/P Tech Specifications

MCP7940N-I/P - 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 | 1.3V ~ 5.5V | Mounting Type | Through Hole |
| 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-PDIP | Date Format | YY-MM-DD-dd |
| Series | Automotive, AEC-Q100 | Current - Timekeeping (Max) | 1.2µA @ 3.3V |
| Package / Case | 8-DIP (0.300", 7.62mm) | Base Product Number | MCP7940 |
| Package | Tube | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP7940N-I/P

| Product Attribute | | | | |
|-----------------------------|--|--|---|--|
| Part Number | MCP7940N-I/P | MCP7940M-I/SN | MCP79410-I/SN | MCP7940NT-I/MNY |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Package / Case | 8-DIP (0.300", 7.62mm) | 8-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width) | 8-WDFDN Exposed Pad |
| Current - Timekeeping (Max) | 1.2µA @ 3.3V | 1µA @ 5.5V | 1.2µA @ 3.3V | 1.2µA @ 3.3V |
| Type | Clock/Calendar | Clock/Calendar | Clock/Calendar | Clock/Calendar |
| Base Product Number | MCP7940 | MCP7940 | MCP79410 | MCP7940 |
| Series | Automotive, AEC-Q100 | - | - | Automotive, AEC-Q100 |
| Date Format | YY-MM-DD-dd | YY-MM-DD-dd | YY-MM-DD-dd | YY-MM-DD-dd |
| Voltage - Supply, Battery | 1.3V ~ 5.5V | - | 1.3V ~ 5.5V | 1.3V ~ 5.5V |
| Package | Tube | Tube | Tube | Tape & Reel (TR) |
| 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) |
| Memory Size | 64B | 64B | 64B, 1Kb | 64B |
| Features | Alarm, Leap Year, Square Wave Output, SRAM | Alarm, Leap Year, Square Wave Output, SRAM | Alarm, Leap Year, Square Wave Output, SRAM, Unique ID | Alarm, Leap Year, Square Wave Output, SRAM |
| Supplier Device Package | 8-PDIP | 8-SOIC | 8-SOIC | 8-TDFN (2x3) |
| Operating Temperature | -40°C ~ 85°C | -40°C ~ 85°C | -40°C ~ 85°C | -40°C ~ 85°C |
| Voltage - Supply | 1.8V ~ 5.5V | 1.8V ~ 5.5V | 1.8V ~ 5.5V | 1.8V ~ 5.5V |
| Mounting Type | Through Hole | 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 |

MCP7940N-I/P Datasheet PDF

Download MCP7940N-I/P pdf datasheets and Microchip Technology documentation for MCP7940N-I/P - Microchip Technology.

Datasheets

- I²C™ & SPI Family Brochure.pdf
- MCP7940N.pdf

PCN Packaging

- Label and Packing Changes 23/Sep/2015.pdf
- Packing Changes 10/Oct/2016.pdf

PCN Assembly/Origin


- Mult Dev 13/Apr/2020.pdf

PCN Design/Specification

- MCP7940N 08/Apr/2022.pdf
- MCP7940N 31/Oct/2019.pdf

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| MCP7940M-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP79410-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP7940NT-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN | MCP7940M-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP79402T-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP79402-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC |
|  |  |  |  |  |  |
| MCP7940MT-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN | MCP7940NT-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP79402-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP7940N-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP7940N-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP7940NT-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP |
|  |  |  |  |  |  |
| MCP7940NT-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP79410-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP | MCP79410-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP7940MT-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC | MCP79402-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP | MCP7940N-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 -

| | | |
|--|--|---|
|  Efficient Supply Management |  Cost-Saving Procurement |  Fast Sourcing & Delivery |
|--|--|---|

Contact us if you have any questions.

| | |
|--|--|
|  Phone +00852 9146 4856 |  Email info@allelco.com |
|--|--|

Certifications & Memberships



[View More](#)

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com