

Image may be representation.
See specifications for product details.



MCP7940NT-I/MS

Manufacturer Part Number	MCP7940NT-I/MS
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP7940NT-I/MS
ECAD Model	Request Free CAD Models
Parts Description	IC RTC CLK/CALENDAR I2C 8MSOP
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	I²C™ & SPI Family Brochure.pdf MCP7940N.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP7940NT-I/MS - Microchip Technology. New Original in Stock. Download Linear Technology MCP7940NT-I/MS datasheet/specifications on AllelcoElec.com.
Request a quote for MCP7940NT-I/MS, please send us email: info@allelco.com

Specifications

MCP7940NT-I/MS Tech Specifications

MCP7940NT-I/MS - 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	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-MSOP	Date Format	YY-MM-DD-dd
Series	Automotive, AEC-Q100	Current - Timekeeping (Max)	1.2µA @ 3.3V
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	MCP7940
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP7940NT-I/MS

Product Attribute				
Part Number	MCP7940NT-I/MS	MCP79410-I/SN	MCP79410T-I/ST	MCP7940NT-I/SN
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Memory Size	64B	64B, 1Kb	64B, 1Kb	64B
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	1.3V ~ 5.5V
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	MCP7940	MCP79410	MCP79410	MCP7940
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP (0.173", 4.40mm Width)	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package	8-MSOP	8-SOIC	8-TSSOP	8-SOIC
Current - Timekeeping (Max)	1.2µA @ 3.3V	1.2µA @ 3.3V	1.2µA @ 3.3V	1.2µA @ 3.3V
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Series	Automotive, AEC-Q100	-	-	Automotive, AEC-Q100
Features	Alarm, Leap Year, Square Wave Output, SRAM	Alarm, Leap Year, Square Wave Output, SRAM, Unique ID	Alarm, Leap Year, Square Wave Output, SRAM, Unique ID	Alarm, Leap Year, Square Wave Output, SRAM
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
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

MCP7940NT-I/MS Datasheet PDF

Download MCP7940NT-I/MS pdf datasheets and Microchip Technology documentation for MCP7940NT-I/MS - Microchip Technology.

Datasheets

[I²C™ & SPI Family Brochure.pdf](#)

[MCP7940N.pdf](#)

PCN Packaging

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

[Reel Design Update 07/May/2015.pdf](#)

PCN Design/Specification

[MCP7940N 08/Apr/2022.pdf](#)

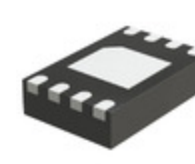
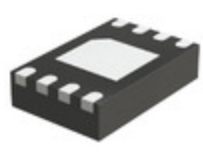
[MCP7940N 31/Oct/2019.pdf](#)

PCN Assembly/Origin



Customers Also Interested in

Recommended Products

**MCP79410-I/SN**Microchip Technology
IC RTC CLK/CALENDAR I2C 8SOIC**MCP79410T-I/ST**Microchip Technology
IC RTC CLK/CALENDAR I2C 8TSSOP**MCP7940NT-I/SN**Microchip Technology
IC RTC CLK/CALENDAR I2C 8SOIC**MCP79410-I/ST**Microchip Technology
IC RTC CLK/CALENDAR I2C 8TSSOP**MCP79410-I/MS**Microchip Technology
IC RTC CLK/CALENDAR I2C 8MSOP**MCP7940MT-I/MNY**Microchip Technology
IC RTC CLK/CALENDAR I2C 8TDFN**MCP7940NT-I/ST**Microchip Technology
IC RTC CLK/CALENDAR I2C 8TSSOP**MCP7940N-I/P**Microchip Technology
IC RTC CLOCK/CALENDAR I2C 8DIP**MCP7940N-I/SN**Microchip Technology
IC RTC CLK/CALENDAR I2C 8SOIC**MCP7940N-I/MS**Microchip Technology
IC RTC CLK/CALENDAR I2C 8MSOP**MCP79411-I/MS**Microchip Technology
IC RTC CLK/CALENDAR I2C 8MSOP**MCP7940MT-I/SN**Microchip Technology
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IC RTC CLK/CALENDAR I2C 8MSOP**MCP7940M-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



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