

Image may be representation.
See specifications for product details.



MCP7940N-I/SN

Manufacturer Part Number	MCP7940N-I/SN
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP7940N-I/SN
ECAD Model	3D Model
Parts Description	IC RTC CLK/CALENDAR I2C 8SOIC
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	I²C™ & SPI Family Brochure.pdf MCP7940N.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

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

Specifications

MCP7940N-I/SN Tech Specifications

MCP7940N-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	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-SOIC	Date Format	YY-MM-DD-dd
Series	Automotive, AEC-Q100	Current - Timekeeping (Max)	1.2µA @ 3.3V
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 MCP7940N-I/SN

Product Attribute				
Part Number	MCP7940N-I/SN	MCP79410-I/ST	MCP79410-I/SN	MCP79402T-I/MS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Memory Size	64B	64B, 1Kb	64B, 1Kb	64B
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Type	Clock/Calendar	Clock/Calendar	Clock/Calendar	Clock/Calendar
Package / Case	8-SOIC (0.154', 3.90mm Width)	8-TSSOP (0.173', 4.40mm Width)	8-SOIC (0.154', 3.90mm Width)	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)
Series	Automotive, AEC-Q100	-	-	-
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)
Supplier Device Package	8-SOIC	8-TSSOP	8-SOIC	8-MSOP
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
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package	Tube	Tube	Tube	Tape & Reel (TR)
Voltage - Supply, Battery	1.3V ~ 5.5V	1.3V ~ 5.5V	1.3V ~ 5.5V	1.3V ~ 5.5V
Current - Timekeeping (Max)	1.2µA @ 3.3V	1.2µA @ 3.3V	1.2µA @ 3.3V	1.2µA (Typ) @ 3.3V
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, Unique ID
Base Product Number	MCP7940	MCP79410	MCP79410	MCP79402
Date Format	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd	YY-MM-DD-dd
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

MCP7940N-I/SN Datasheet PDF

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

Datasheets

[MCP7940N.pdf](#)

PCN Packaging

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

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

PCN Assembly/Origin





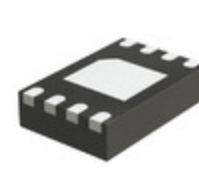



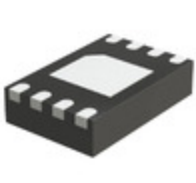





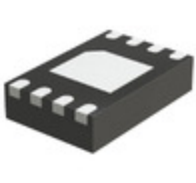



[2.73KHz.pdf](#)

HTML Datasheet

PCN Design/Specification

Customers Also Interested in

Recommended Products

 MCP79410-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP	 MCP79410-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC	 MCP79402T-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP	 MCP79410-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP	 MCP7940MT-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN	 MCP7940M-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP
 MCP7940MT-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC	 MCP7940M-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC	 MCP79410T-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN	 MCP7940N-I/P Microchip Technology IC RTC CLOCK/CALENDAR I2C 8DIP	 MCP7940NT-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC	 MCP7940NT-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP
 MCP7940NT-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP	 MCP79402-I/SN Microchip Technology IC RTC CLK/CALENDAR I2C 8SOIC	 MCP7940NT-I/MNY Microchip Technology IC RTC CLK/CALENDAR I2C 8TDFN	 MCP79402-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP	 MCP7940N-I/ST Microchip Technology IC RTC CLK/CALENDAR I2C 8TSSOP	 MCP7940N-I/MS Microchip Technology IC RTC CLK/CALENDAR I2C 8MSOP

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