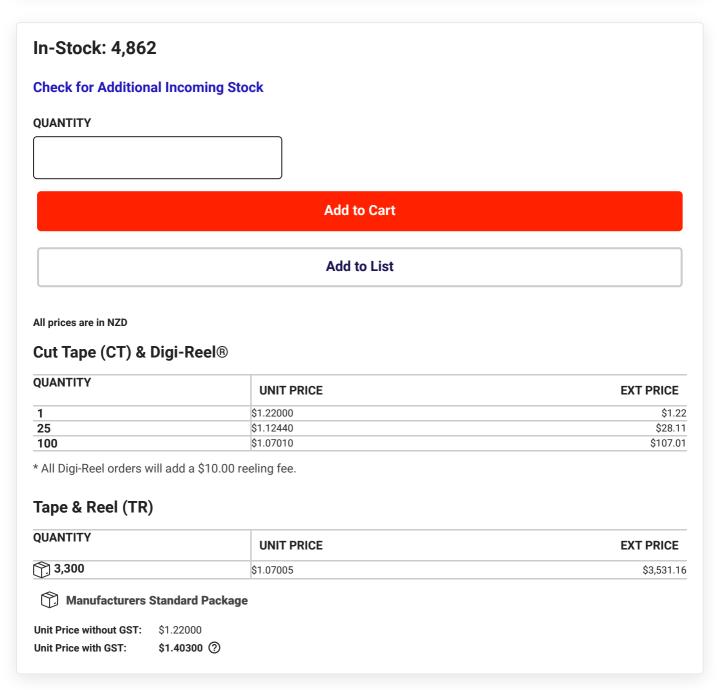# DigiKey

Product Index > Integrated Circuits (ICs) > Clock/Timing > Real Time Clocks >
Microchip Technology MCP7940MT-I/SN

Dark Mode ⬤

Image shown is a representation only. Exact specifications should be obtained from the product data sheet.

MCP7940MT-I/SN ▭

DigiKey Part Number

MCP7940MT-I/SNTR-ND - Tape & Reel (TR)
MCP7940MT-I/SNCT-ND - Cut Tape (CT)
MCP7940MT-I/SNDKR-ND - Digi-Reel®

Manufacturer

Microchip Technology

Manufacturer Product Number

MCP7940MT-I/SN

Description

IC RTC CLK/CALENDAR I2C 8SOIC

Manufacturer Standard Lead Time

6 Weeks

Customer Reference

Detailed Description

Real Time Clock (RTC) IC Clock/Calendar 64B I2C, 2-Wire Serial 8-SOIC (0.154", 3.90mm Width)

Datasheet

📄 **Datasheet**

EDA/CAD Models

MCP7940MT-I/SN Models

In-Stock: 4,862

Check for Additional Incoming Stock

QUANTITY

[   ]

Add to Cart

Add to List

All prices are in NZD

Cut Tape (CT) & Digi-Reel®

QUANTITY	UNIT PRICE	EXT PRICE
1	$1.22000	$1.22
25	$1.12440	$28.11
100	$1.07010	$107.01

* All Digi-Reel orders will add a $10.00 reeling fee.

Tape & Reel (TR)

QUANTITY	UNIT PRICE	EXT PRICE
📦 3,300	$1.07005	$3,531.16

📦 **Manufacturers Standard Package**

Unit Price without GST:	$1.22000
Unit Price with GST:	$1.40300 ⓘ

Product Attributes

TYPE	DESCRIPTION	SELECT ALL ☐

Category	**Integrated Circuits (ICs)** **Clock/Timing** **Real Time Clocks**
Manufacturer	Microchip Technology
Series	-
Packaging	Tape & Reel (TR) ⑦ Cut Tape (CT) ⑦ Digi-Reel® ⑦
Part Status	Active
DigiKey Programmable	Not Verified
Type	Clock/Calendar
Features	Alarm, Leap Year, Square Wave Output, SRAM
Memory Size	64B
Time Format	HH:MM:SS (12/24 hr)
Date Format	YY-MM-DD-dd
Interface	I2C, 2-Wire Serial
Voltage - Supply	1.8V ~ 5.5V
Voltage - Supply, Battery	-
Current - Timekeeping (Max)	1µA @ 5.5V
Operating Temperature	-40°C ~ 85°C
Mounting Type	Surface Mount
Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package	8-SOIC
Base Product Number	**MCP7940**

Report Product Information Error   **View Similar**

Documents & Media

RESOURCE TYPE	LINK
Datasheets	**MCP7940M**

RESOURCE TYPE	LINK
Environmental Information	**Microchip RoHS** **Microchip REACH**
Featured Product	**Real-Time Clocks/Calendars**
PCN Design/Specification	**Copper/Gold Wire Update 08/Apr/2015** **MCP7940M 20/Aug/2018**
PCN Assembly/Origin	**Manufacturing Change 07/Apr/2022**
PCN Packaging	**Label and Packing Changes 23/Sep/2015** **Mult Dev Bag Label Changes 30/Jun/2025**
EDA Models	**MCP7940MT-I/SN Models**
Errata	**MCP7940M Errata**

Environmental & Export Classifications

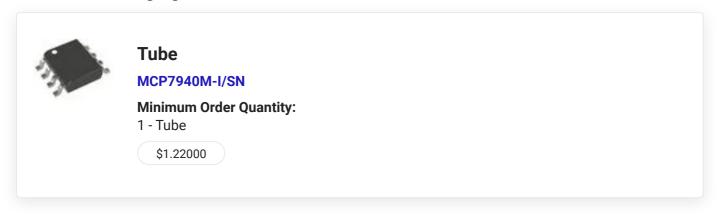| ATTRIBUTE	DESCRIPTION
RoHS Status	ROHS3 Compliant
Moisture Sensitivity Level (MSL)	1 (Unlimited)
REACH Status	REACH Unaffected
ECCN	EAR99
HTSUS	8542.39.0070

Product Questions and Answers

See what engineers are asking, ask your own questions, or help out a member of the DigiKey engineering community

See all Questions and Answers   **Ask a Product Question**

Alternate Packaging

Tube

MCP7940M-I/SN

Minimum Order Quantity:
1 - Tube

$1.22000

Additional Resources

ATTRIBUTE	DESCRIPTION
Other Names	MCP7940MT-I/SN-ND MCP7940MT-I/SNTR MCP7940MT-I/SNCT MCP7940MT-I/SNDKR
Manufacturer Standard Package	3,300 ⑦

You May Also Be Interested In See All

10 Items

MCP7940M-I/SN

IC RTC CLK/CALENDAR I2C 8SOIC

Microchip Technology

$1.22000   Details

SC32S-7PF20PPM

CRYSTAL 32.7680KHZ 7PF SM

Seiko Instruments

$0.71000   Details

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