



Image may be representation. See specifications for product details.

### MCP7940NT-E/MS

Part Number: **MCP7940NT-E/MS**  
 Product Description: IC RTC CLK/CALENDAR I2C 8-MSOP  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [1.MCP7940NT-E/MS.pdf](#)  
[2.MCP7940NT-E/MS.pdf](#)  
[3.MCP7940NT-E/MS.pdf](#)

Manufacturer/Brand: Micrel / Microchip Technology  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

<b>Part Number</b>	MCP7940NT-E/MS	<b>Manufacturer</b>	Micrel / Microchip Technology
<b>Description</b>	IC RTC CLK/CALENDAR I2C 8-MSOP	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	1.MCP7940NT-E/MS.pdf2.MCP7940NT-E/MS.pdf3.MCP7940NT-E/MS.pdf		
<b>Voltage - Supply, Battery</b>	1.3 V ~ 5.5 V	<b>Voltage - Supply</b>	1.8 V ~ 5.5 V
<b>Type</b>	Clock/Calendar	<b>Time Format</b>	HH:MM:SS (12/24 hr)
<b>Supplier Device Package</b>	8-MSOP	<b>Series</b>	-
<b>Packaging</b>	Tape & Reel (TR)	<b>Package / Case</b>	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
<b>Other Names</b>	MCP7940NT-E/MS-ND MCP7940NT-E/MSTR	<b>Operating Temperature</b>	-40°C ~ 125°C
<b>Mounting Type</b>	Surface Mount	<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Memory Size</b>	64B	<b>Manufacturer Standard Lead Time</b>	18 Weeks
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant	<b>Interface</b>	I <sup>2</sup> C, 2-Wire Serial
<b>Features</b>	Alarm, Leap Year, Square Wave Output, SRAM	<b>Detailed Description</b>	Real Time Clock (RTC) IC Clock/Calendar 64B I <sup>2</sup> C, 2-Wire Serial 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
<b>Date Format</b>	YY-MM-DD-dd	<b>Current - Timekeeping (Max)</b>	1.2µA @ 3.3V
<b>Base Part Number</b>	MCP7940N		

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