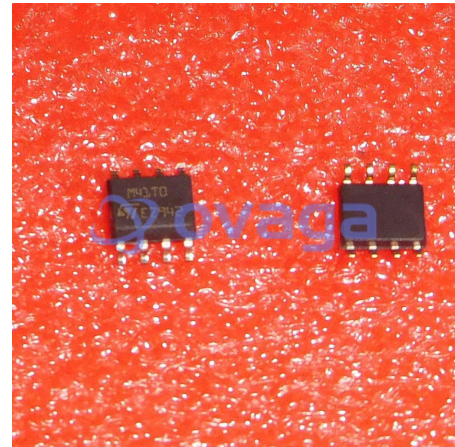


Real Time Clock ENV 511-M41T0M6E

Manufacturers	<a href="#">STMicroelectronics, Inc</a>
Package/Case	SO-8
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for M41T0M6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

M41T0M6 is a real-time clock (RTC) IC (integrated circuit) manufactured by STMicroelectronics. It is designed to provide accurate timekeeping in a wide range of applications, including automotive, industrial, and consumer electronics.

### Features

A built-in oscillator that provides  $\pm 5$  ppm accuracy over the entire  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  temperature range

A battery backup input that allows the RTC to continue keeping time even when the main power supply is disconnected

A low-power design that allows the RTC to operate on as little as 140 nA of current

An I2C interface that allows the RTC to be easily connected to a wide range of microcontrollers and other devices

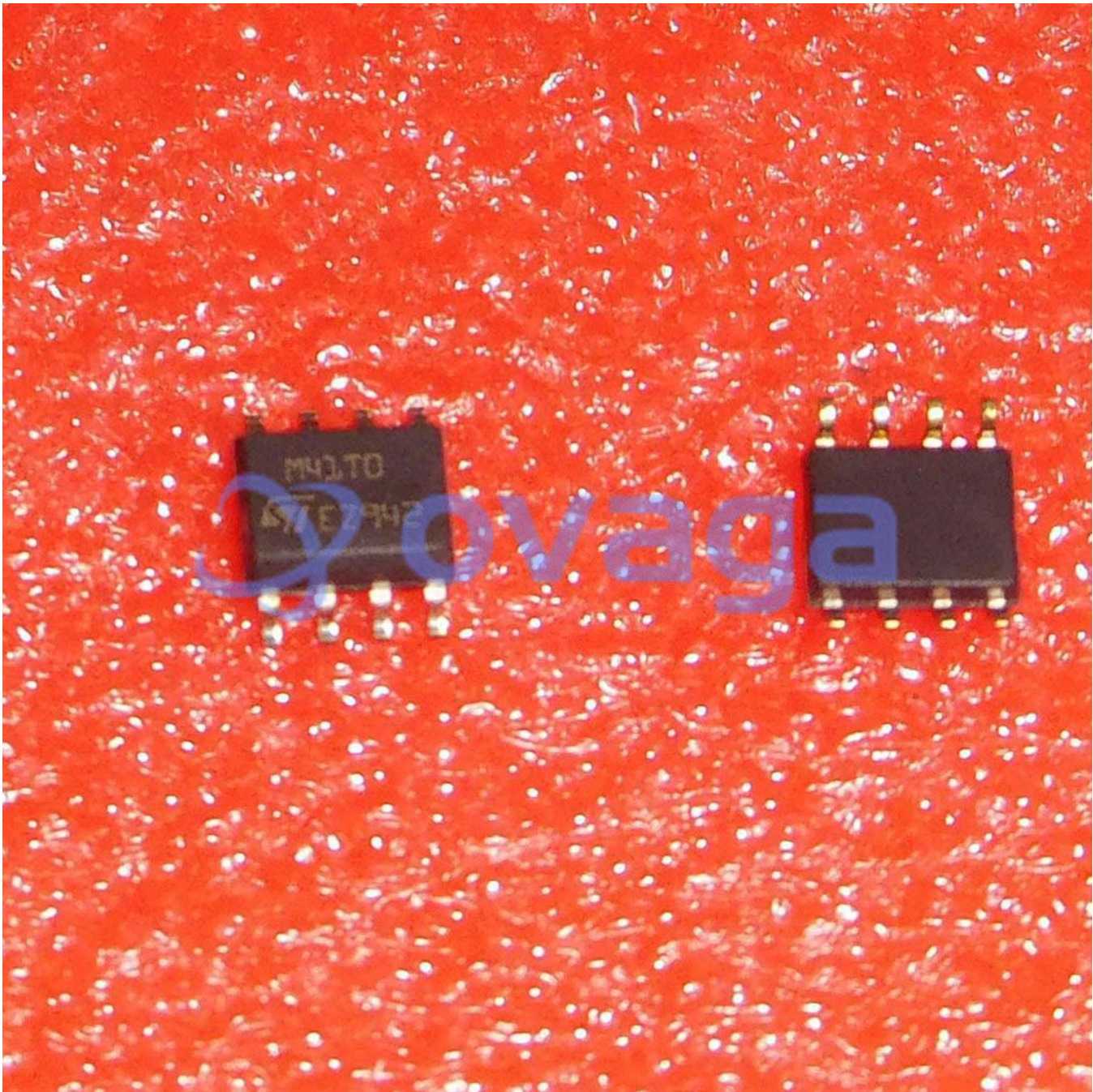
A programmable alarm function that can trigger an interrupt or output signal when a specified time is reached

### Application

Automotive systems such as dashboard clocks, event recorders, and GPS receivers

Industrial control systems such as process controllers, data loggers, and time-stamping devices

Consumer electronics such as cameras, home automation systems, and smartwatches



## Related Products



### [M41T11MH6F](#)

STMicroelectronics, Inc  
SO-28



### [M48T59Y-70PC1](#)

STMicroelectronics, Inc  
PDIP-28



### [M41T00CAPPC1](#)

STMicroelectronics, Inc  
DIP-28



### [M41T56M6F](#)

STMicroelectronics, Inc  
SOIC-8



[M41T00M6F](#)

STMicroelectronics, Inc  
SOIC-8



[M41T00M6E](#)

STMicroelectronics, Inc  
SOIC-8



[M48T86PC1](#)

STMicroelectronics, Inc  
DIP-24



[M41T56M6E](#)

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SOP-8