

Real-time clock/calendar

Manufacturers	NXP Semiconductor
Package/Case	SOP-8
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PCF8563T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

PCF8563T is a real-time clock (RTC) IC (integrated circuit) produced by NXP Semiconductors. It is a low-power, highly accurate RTC designed for low-power portable or battery-powered applications, where a precise time reference is required.

Features

Accuracy: ± 5 ppm (parts per million) at room temperature

Low power consumption: typically 0.25 μ A in battery backup mode

Serial interface: I2C-bus interface

Integrated temperature sensor

Programmable alarm and timer functions

Time and date format: BCD (binary-coded decimal)

Operating voltage: 1.0 to 5.5 V

Application

Time and date stamping in data logging and measurement applications

Clock and calendar functions in consumer electronics devices such as digital cameras, MP3 players, and smartwatches

Timing and scheduling functions in home automation systems

Timing and power management functions in portable medical devices and instruments



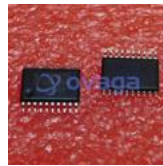


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