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Real Time Clock Serial 96Byte Clock/Calendar/Alarm 20Pin TSSOP

Manufacturers	<u>Analog Devices, Inc</u>
Package/Case	TSSOP-20
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for DS1306E or <u>Email to us: sales@ovaga.com</u> We will contact you in 12 hours.   **RFQ**

General Description

DS1306E is a real-time clock (RTC) module produced by Maxim Integrated. RTC modules are electronic devices that keep track of time and date, even when power is not applied to the system. The DS1306E uses a low-power clock/calendar with a 56-byte battery-backed SRAM. It communicates through an I2C interface, which allows it to be easily integrated into various microcontroller-based systems.

Features

Real-time clock/calendar (RTC) with a resolution of seconds, minutes, hours, day, date, month, and year

56-byte non-volatile RAM (NV SRAM) for data storage

I2C interface for communication with microcontrollers

Battery backup to maintain timekeeping even when power is off

Programmable square-wave output

Low power consumption

Application

Timing control in various electronic devices, such as audio systems, gaming devices, and medical equipment

Time-stamping in data logging and tracking applications

Time-of-day displays in electronic clocks and watches

Security systems and access control

Industrial automation and control systems

Related Products

[DS1307+](#)

Analog Devices, Inc

SOP8

[DS12R887-33](#)

Analog Devices, Inc

BGA48

[DS3232SN#](#)

Analog Devices, Inc

SOIC-20

[DS1338Z-33+](#)

Analog Devices, Inc

SOIC-8

DS1682S+T&R

Analog Devices, Inc

SOP8

DS1374U-33

Analog Devices, Inc

MSOP10

DS1338Z-33

Analog Devices, Inc

SOIC-8

DS1644-120+

Analog Devices, Inc

DIP-28