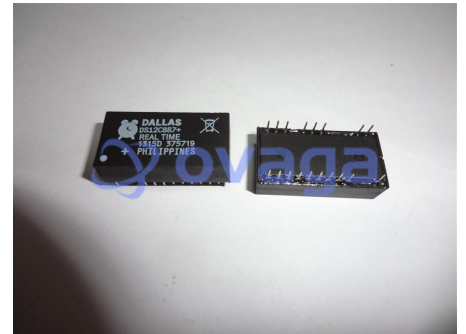


Alarm RTC IC, Date Time Format (Day/Date/Month/Year hh:mm:ss), Multiplexed, 4.5 V to 5.5 V, EDIP-24

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	DIP-18
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS12C887+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

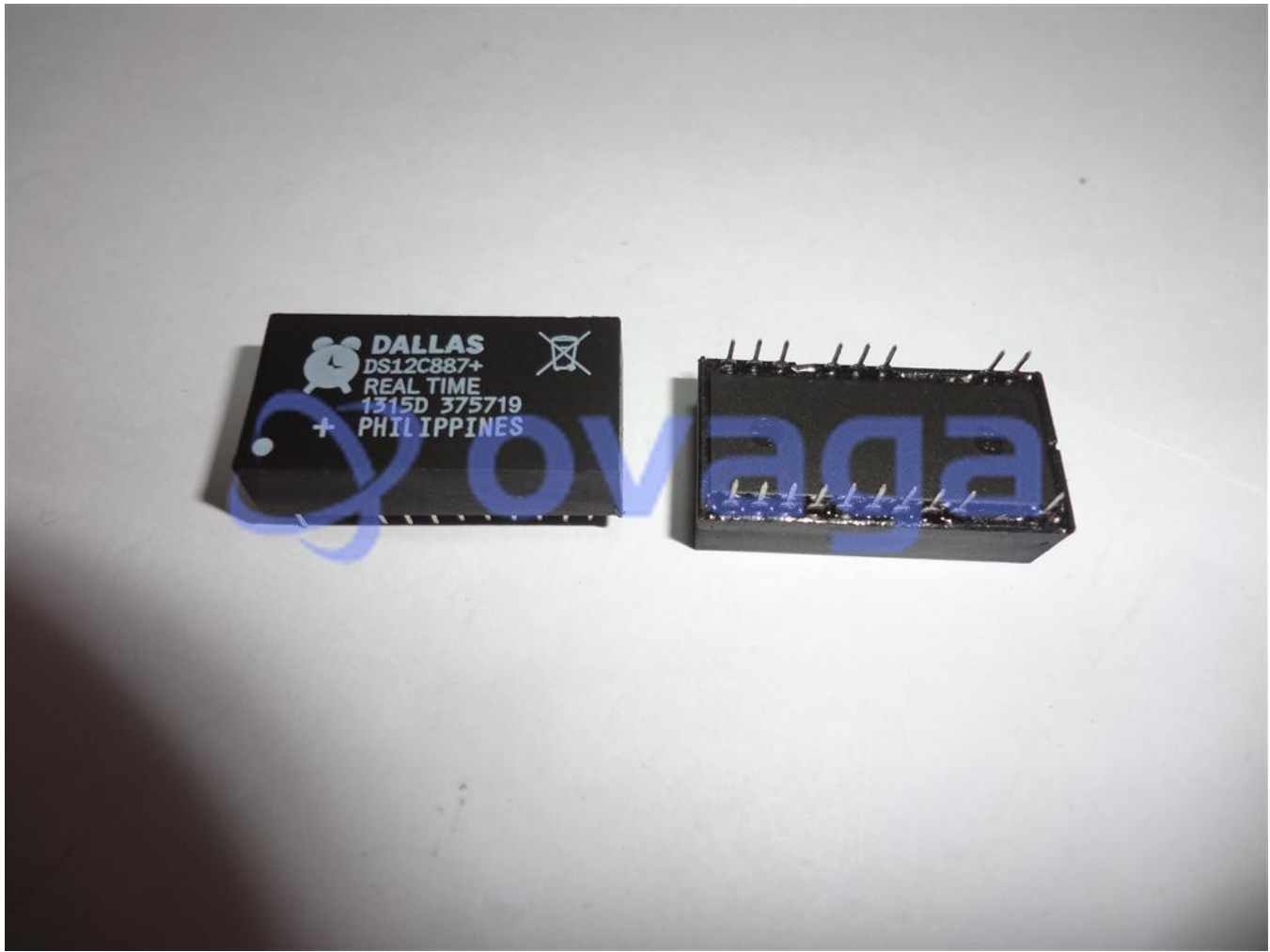
DS12C887+ is a real-time clock (RTC) integrated circuit manufactured by Maxim Integrated. It is a low-power clock/calendar with 114 bytes of non-volatile static RAM, and it communicates with a microcontroller using an 8-bit parallel interface. Some of its features include:

### Features

- Accurate clock/calendar with leap year compensation
- Battery backup to maintain timekeeping during power loss
- Programmable square-wave output for various clock frequencies
- 114 bytes of non-volatile static RAM with an additional 50 bytes of non-volatile "scratchpad" RAM
- Low power consumption with battery backup current of less than 1  $\mu$ A
- 8-bit parallel interface with IRQ output for triggering interrupts

### Application

- Desktop computers, servers, and workstations for timekeeping
- Embedded systems, industrial automation, and control systems
- Consumer electronics such as video game consoles, digital cameras, and set-top boxes
- Automotive and aerospace applications for timekeeping and event logging



## Related Products



### [DS1307+](#)

Analog Devices, Inc  
SOP8



### [DS12R887-33](#)

Analog Devices, Inc  
BGA48



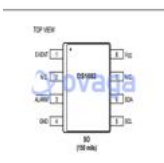
### [DS3232SN#](#)

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