

Total Elapsed Time Recorder with Alarm

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS1682S or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS1682S is a 1-Wire real-time clock (RTC) with alarm and timer functions, manufactured by Maxim Integrated. Here are some of its features:

Features

Low-power operation: DS1682S can operate with a supply voltage as low as 2.8V, and has a low standby current of less than 200nA.

1-Wire interface: DS1682S uses a single wire for communication, which simplifies wiring and reduces system cost.

Accurate timekeeping: DS1682S uses a quartz crystal oscillator to provide accurate timekeeping with a resolution of 1 second.

Alarm and timer functions: DS1682S can be programmed to generate an alarm signal or trigger a timer after a certain amount of time has elapsed.

Non-volatile memory: DS1682S has 8KB of non-volatile memory, which can be used to store user data or configuration settings.

Application

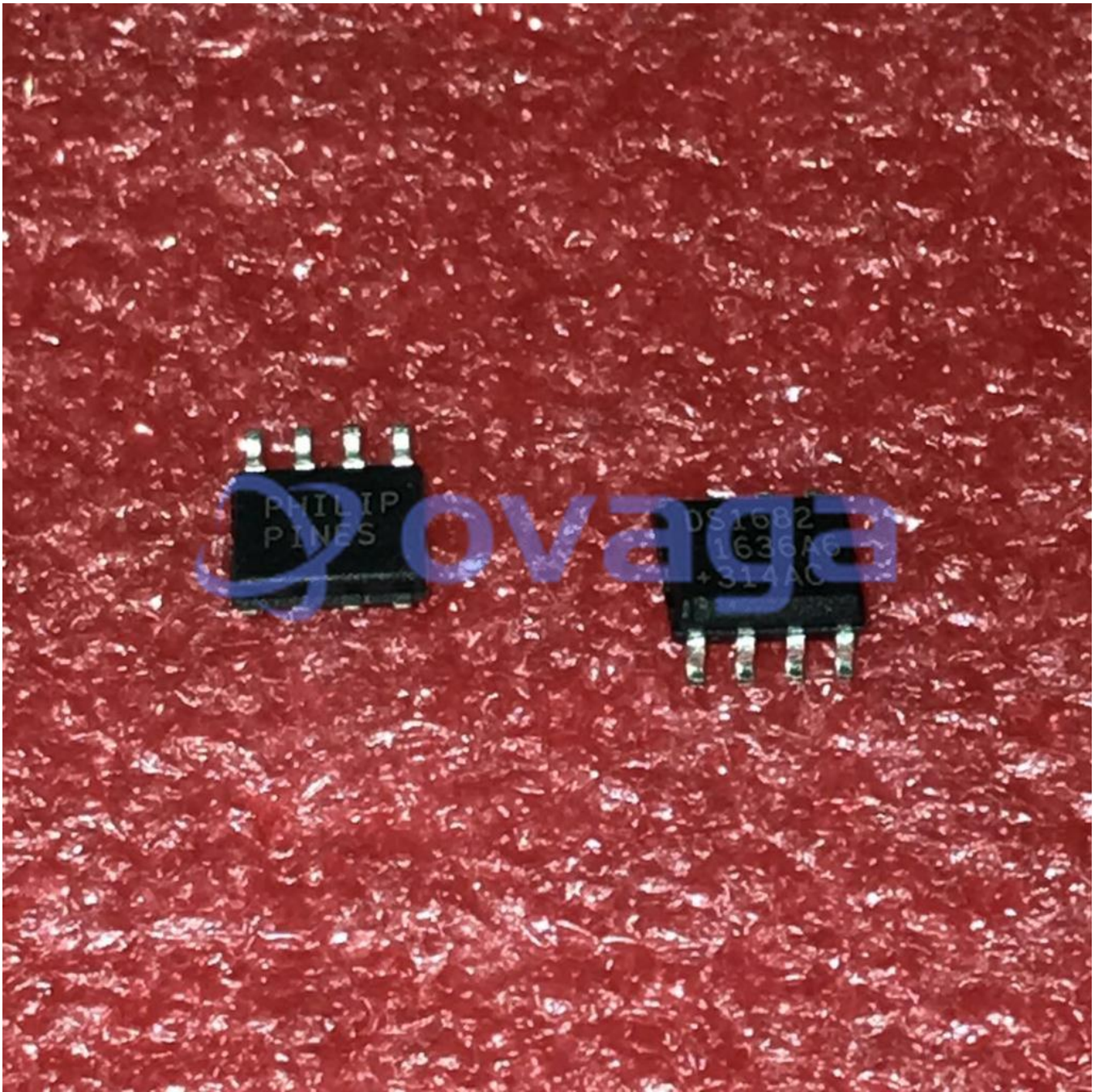
Utility meters: DS1682S can be used in utility meters to track and record energy consumption over time.

Industrial automation: DS1682S can be used in industrial automation applications to monitor and control processes.

Medical devices: DS1682S can be used in medical devices to time or log events.

Security systems: DS1682S can be used in security systems to generate alarms or monitor access control.





Related Products



[DS1307+](#)

Analog Devices, Inc
SOP8



[DS12R887-33](#)

Analog Devices, Inc
BGA48



[DS3232SN#](#)

Analog Devices, Inc
SOIC-20



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DS1682S+T&R

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SOP8



DS1374U-33

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DS1644-120+

Analog Devices, Inc
DIP-28