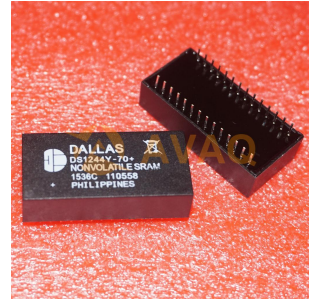


## Real Time Clock Phantom Clock/Parallel 32Kbyte Clock/Calendar/NV SRAM Control 32-Pin EDIP



Images are for reference only

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** DIP

**Product Type:** Clock & Timer ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

DS1244Y-70+ is a specific model of non-volatile static RAM (NVS RAM) manufactured by Maxim Integrated. Here are some details about its features, applications, and equivalent parts number list:

### Key Features

NVS RAM (Non-Volatile Static RAM) technology: Combines the features of both RAM and non-volatile memory, allowing data to be retained even when power is lost.

Density: 512 kilobits (64 kilobytes) of memory organized as 32K x 16 bits.

Operating voltage: 4.5V to 5.5V.

High-speed access time: 70 ns, making it suitable for applications that require fast read/write operations.

Integrated lithium energy source: Provides automatic write protection and backup power to prevent data loss during power failure.

Low power consumption: Typically requires less than 40 mA of operating current and less than 1  $\mu$ A of standby current.

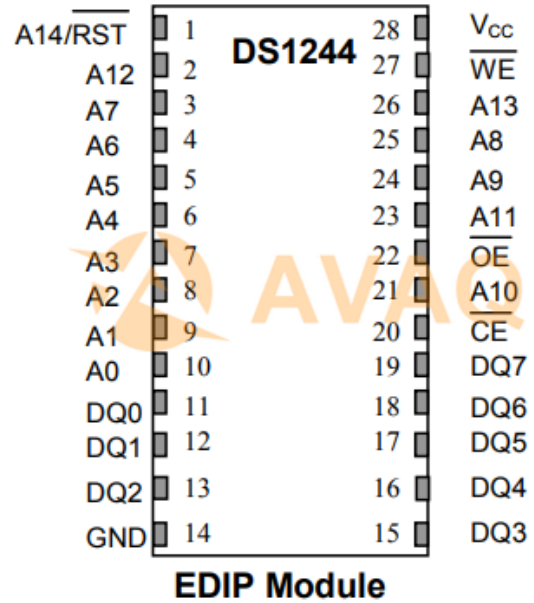
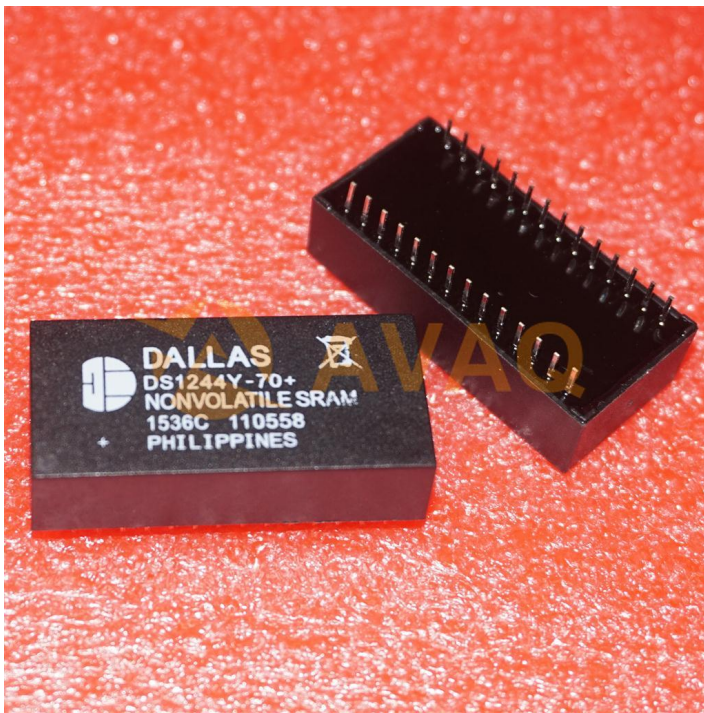
### Application

Real-time clock (RTC) backup: Can be used to store time and date information in applications such as embedded systems, data loggers, and electronic meters.

Data retention and backup: Can be used to store critical data that needs to be retained even when power is lost, such as in industrial control systems, medical equipment, and communications systems.

Battery-powered systems: Can be used in applications that require backup power for data retention during power outages or when the main power source is unavailable.

Automotive applications: Can be used in automotive electronics for data retention and backup, such as in event data recorders (EDR) or black boxes.



## Recommended For You

### DS1337S+T&R

Analog Devices, Inc

SOP8

### DS1683S+

Analog Devices, Inc

SOIC-8

### DS1306+

Analog Devices, Inc

DIP

### DS1670E+

Analog Devices, Inc

TSSOP20

### DS1501YZ+

Analog Devices, Inc

SOIC(W)

### DS1308U-18+T

Analog Devices, Inc

UMAX-8

### DS1100U-50

Analog Devices, Inc

USOP-8

### DS1004C-305

Analog Devices, Inc

SOP8

### DS1100LZ-20/T+MOT

Analog Devices, Inc

8-SOIC

### DS1100M-25

Analog Devices, Inc

DIP8

### DS1308U-3+T

Analog Devices, Inc

UMAX-8

### DS1685Q-5+

Analog Devices, Inc

PLCC-28

### DS1100Z-25/T&R

Analog Devices, Inc

SOP8

### DS1023S-25+T

Analog Devices, Inc

SOIC(W)-16

### DS1685-5+

Analog Devices, Inc

DIP24