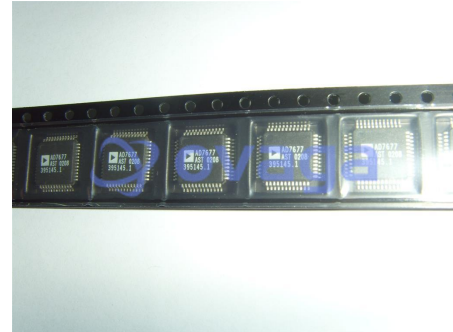


16-Bit, 1 LSB INL, 1 MSPS Differential ADC

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFP48
Product Type	Power Supplies
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD7677AST or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

AD7677AST is a high-performance, 16-bit, successive approximation register (SAR) analog-to-digital converter (ADC) manufactured by Analog Devices, Inc.

### Features

High-speed, 16-bit resolution ADC with a maximum sampling rate of 1 MSPS (mega samples per second)

Low power consumption, with a typical power dissipation of 33 mW at 1 MSPS

Wide input voltage range of  $\pm 10V$

Flexible input range configuration, with various input ranges selectable via software or external pins

Built-in track-and-hold circuitry to ensure accurate sampling of the input signal

Serial interface options including SPI, QSPI, MICROWIRE, and DSP-compatible serial interface modes

### Application

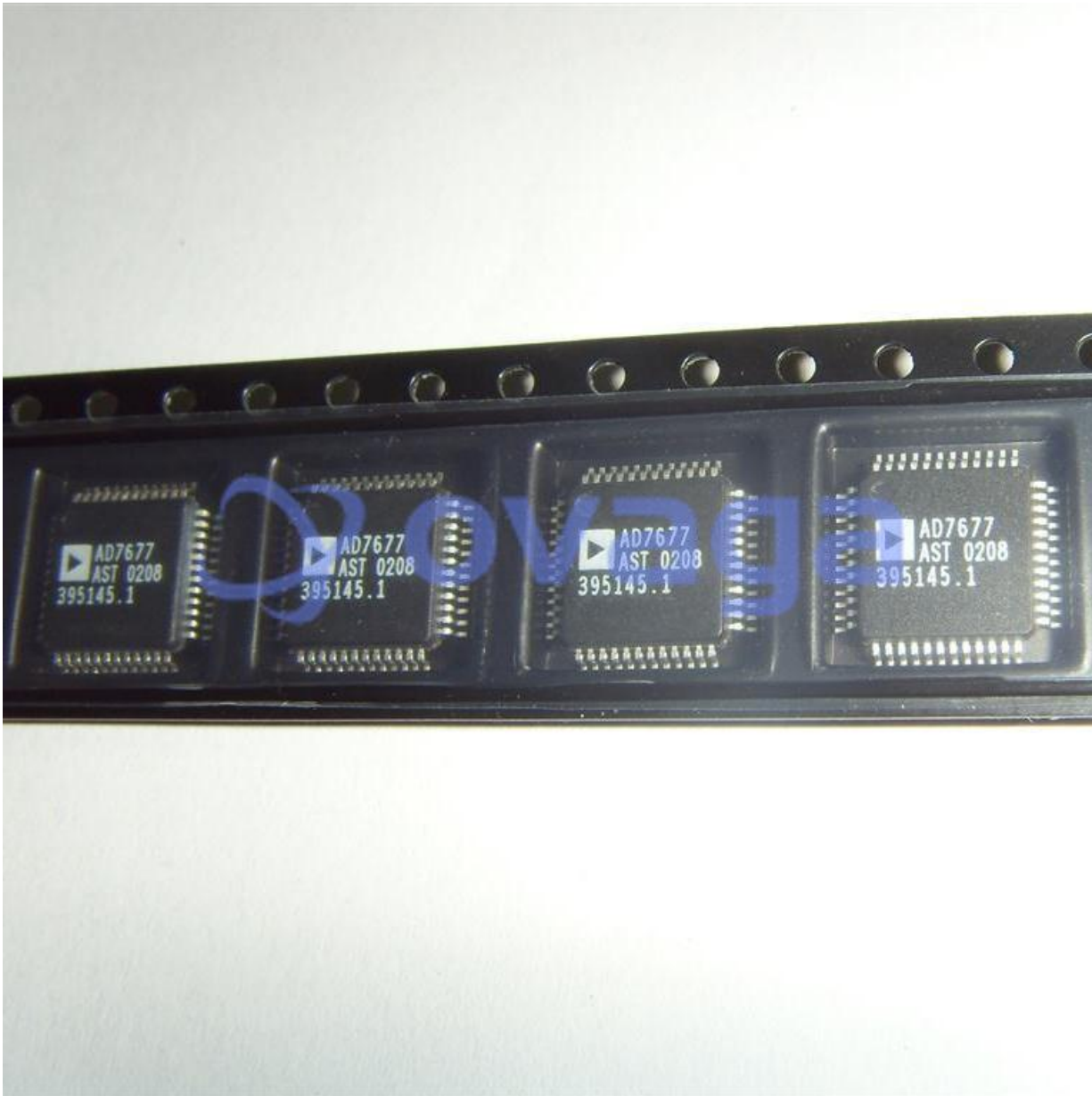
Precision measurement equipment such as oscilloscopes, spectrum analyzers, and data acquisition systems

Medical instrumentation such as patient monitoring systems and ultrasound equipment

Industrial automation and control systems

Communications infrastructure equipment such as base station transceivers and network analyzers





## Related Products



### [AD7123KST140](#)

Analog Devices, Inc  
QFP-48



### [ADUM3223CRZ](#)

Analog Devices, Inc  
SOIC-16



### [AD7171KSU](#)

Analog Devices, Inc  
TQFP44



### [ADUM7223ACCZ](#)

Analog Devices, Inc  
LGA-13



### [ADUM1234BRWZ](#)

Analog Devices, Inc  
SOIC-16



### [AD6645ASQZ-80](#)

Analog Devices, Inc  
QFP52



[AD6645ASQZ-105](#)

Analog Devices, Inc

QFP-52



[AD9731BR](#)

Analog Devices, Inc

SOP-28