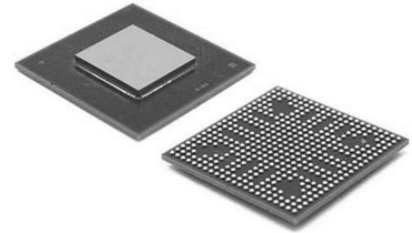


4-Channel Quad ADC Pipelined 250Msps 12-bit Serial 72-Pin LFCSP EP Tray

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	LFCSP-72
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD9239BCPZ-250 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADC requires a single 1.8 V power supply and the input clock may be driven differentially with a sine wave, LVPECL, TTL, or LVDS. A clock duty cycle stabilizer allows high performance at full speed with a wide range of clock duty cycles. The on-chip reference eliminates the need for external decoupling and can be adjusted by means of SPI control.

Various power-down and standby modes are supported. The ADC typically consumes 145 mW per channel with the digital link still in operation when standby operation is enabled.

Fabricated on an advanced CMOS process, the AD9239 is available in a Pb-free/RoHS-compliant, 72-lead LFCSP package. It is specified over the industrial temperature range of  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

### Product Highlights

#### Applications

Four ADCs are contained in a small, space-saving package.

An on-chip PLL allows users to provide a single ADC sampling clock, and the PLL distributes and multiplies up to produce the corresponding data rate clock.

Coded data rate supports up to 4.0 Gbps per channel. Coding includes scrambling to ensure proper dc common mode, embedded clock, and error correction.

The AD9239 operates from a single 1.8 V power supply.

Flexible synchronization schemes and programmable mode pins.

On-chip temperature sensor.

## Features

4 ADCs in 1 package

Coded serial digital outputs with ECC per channel

On-chip temperature sensor

Excellent>

See data sheet for additional features

## Application

Communication receivers

Cable head end equipment/M-CMTS

Broadband radios

Wireless infrastructure transceivers

Radar/military-aerospace subsystems

Test equipment

## Related Products



### [ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



### [AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



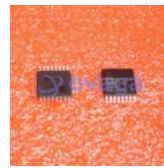
### [AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7124-8BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP-32



### [AD7266BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



### [AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



### [AD9680BCPZ-500](#)

Analog Devices, Inc  
LFCSP-64