

Digital signal processor (DSP) ADSP-TS201SABPZ050 BGA 576-ED (25x25) 1.05V
500MHz Analog Devices

Manufacturers	Analog Devices, Inc
Package/Case	BGA-576
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADSP-TS201SABPZ050 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

ADSP-TS201SABPZ050 is a digital signal processor (DSP) from Analog Devices, Inc. It is a member of the ADSP-TS20x series of DSPs, which are designed for use in high-performance signal processing applications. The ADSP-TS201SABPZ050 is a 32-bit fixed-point DSP that has a clock speed of up to 500 MHz and can perform up to 4 billion multiply-accumulate operations per second (4 GMAC/s).

Features

- 32-bit fixed-point architecture with support for fractional math
- Up to 500 MHz clock speed
- 1 MB on-chip SRAM and 4 MB on-chip flash memory
- Multiple communication interfaces, including SPI, UART, I2C, and CAN
- Support for external memory through a 32-bit external memory interface (EMI)
- Advanced power management features to optimize power consumption

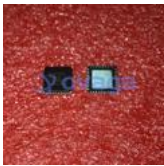
Application

- Audio and video processing
- Industrial automation
- Medical imaging and diagnostics
- Military and aerospace applications
- Communications systems
- Automotive applications





Related Products



[ADUC7022BCPZ62](#)

Analog Devices, Inc
LFCSP-40



[ADUC7020BCPZ62](#)

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[ADUC841BSZ62-3](#)

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[ADSP-BF527BBCZ-5A](#)

Analog Devices, Inc
BGA-208



[ADSP-21369BBPZ-2A](#)

Analog Devices, Inc
SBGA-256



[ADSP-BF561SBBCZ-5A](#)

Analog Devices, Inc
CSPBGA-256