

Digital Signal Processors & Controllers - DSP, DSC IC Low Pwr Blackfin w/ Consumer Dev Cnct

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-176
Product Type	Embedded Processors & Controllers
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for ADSP-BF512BSWZ-4F4 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

ADSP-BF512BSWZ-4F4 is a digital signal processor (DSP) from Analog Devices.

Features

It is a low-power DSP with a core clock speed of up to 400 MHz.

It has 512 KB of on-chip memory, including 64 KB of L1 instruction memory, 32 KB of L1 data memory, and 416 KB of L2 memory.

The ADSP-BF512BSWZ-4F4 also includes a variety of peripherals, such as serial ports, SPI, I2C, and GPIOs.

It has a 16-bit fixed-point processor core with dual ALUs and a single-cycle MAC unit.

It operates on a supply voltage range of 1.2V to 1.3V and is designed for low-power applications.

Application

Audio and video processing

Industrial automation and control systems

Medical devices

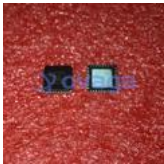
Automotive systems

Aerospace and defense systems

Communication systems



Related Products



[ADUC7022BCPZ62](#)
Analog Devices, Inc
LFCSP-40



[ADUC7020BCPZ62](#)
Analog Devices, Inc
LFCSP-40



[ADUC841BSZ62-5](#)
Analog Devices, Inc
QFP-52



[ADUC841BSZ62-3](#)
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QFP-52



[ADUC831BSZ](#)

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QFP-52



[ADSP-BF527BBCZ-5A](#)

Analog Devices, Inc
BGA-208



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

Analog Devices, Inc
SBGA-256



[ADSP-BF561SBBCZ-5A](#)

Analog Devices, Inc
CSPBGA-256