

EZ-KIT Lite for Analog Devices ADSP-218x DSP Family.

Key Features

Attributes

- ADSP-2181 DSP
- AD1847 stereo codec
- RS-232 interface
- Socketed EPROM
- User push buttons
- Expansion connectors
- User configurable jumper
- Evaluation suite of VisualDSP++™
- CE-certified

System Requirements

- Pentium® 166 MHz or higher
- Minimum of 32 megabytes of RAM
- Windows® 98, Windows 2000, or Windows NT 4.0
- One RS-232 compatible serial port



Overview

The ADSP-2181 EZ-KIT Lite™ provides developers with a cost-effective method for initial evaluation of the powerful ADSP-21xx DSP family architecture. The ADSP-2181 EZ-KIT Lite includes an ADSP-2181 DSP board and fundamental code generation debug software. With this EZ-KIT Lite, users can learn about DSP hardware and software development and evaluate potential applications of the ADSP-21xx family of DSPs. The ADSP-2181 EZ-KIT Lite provides an evaluation suite of the VisualDSP++ development environment with the C compiler, assembler, and linker. All software tools are limited to use with the EZ-KIT Lite.

You can access the ADSP-2181 processor from the PC through a serial port or an optional emulator. The monitor program gives you complete target debug capability through the serial port. In contrast, the emulator allows the PC to perform in-circuit emulation through the processor's emulation port.

The EZ-KIT Lite board is equipped with hardware that facilitates interactive demonstrations. Push button switches and user programmable LEDs provide user control and board status. Additionally, the AD1847 SoundPort® codec provides access to an audio input (selectable as line level or microphone) and an audio output (line level).

The EZ-KIT Lite includes a monitor program stored in the socketed EPROM. The monitor program lets the board communicate over the serial port to a PC. This monitor program lets you download, execute and debug ADSP-2181 programs.

Analog Devices' DSP Tools Product Line

CROSSCORE™, Analog Devices' DSP development tools product line, provides easier and more robust methods for engineers to develop and optimize DSP systems by shortening product development cycles for faster time-to-market.

The CROSSCORE components include the VisualDSP++ software development environment, EZ-KIT Lite™ evaluation systems, and emulators for rapid on-chip debugging. VisualDSP++ is an integrated software development environment allowing for fast and easy development, debug, and deployment. Emulators are available for PCI and USB host platforms. The EZ-KIT Lite evaluation system provides an easy way to investigate the power of the ADI's family of DSPs to develop applications.

Analog Devices is committed to continuous expansion of leading-edge development solutions for DSP design engineers everywhere.

For more information on the tools product line visit the Analog Devices website www.analog.com/dsp/tools/.

Analog Devices DSP

Analog Devices offers a wide range of DSP solutions from low-power 16-bit DSPs (ADSP-21xx family) to high-performance 32-bit SHARC® and Blackfin™ DSPs. Our advances in design give you faster processing, more memory, lower power consumption, and simplified system integration. We give you a competitive edge by providing a complete solution, including expert technical support, comprehensive DSP development tools, and an independent network of third party, DSP Collaborative™ partners.

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Ordering Information

Please call Analog Devices DSP Tools Product Line at 603/883-2430 or your local ADI sales representative or distributor for pricing and ordering information for part number: **ADDS-2181-EZLITE**.

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Printed in the U.S.A.
H02828-8-3/02 (A)