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ADZS-21369-EZLITE

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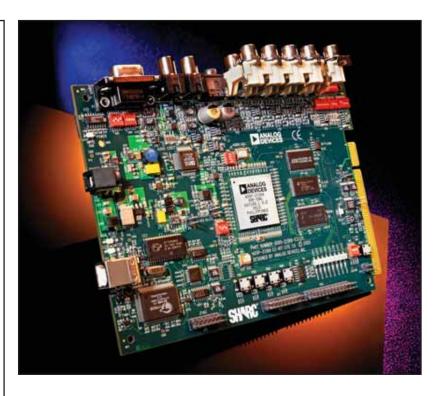sales@integrated-circuit.com

EZ-KIT Lite for Analog Devices ADSP-21369 SHARC Processor

Key Features

- ADSP-21369 SHARC Processor
- 1 M × 8-bit flash memory
- 1 M × 32-bit × 4 banks SDRAM
- 512 K × 8-bit SRAM
- 2 Mb SPI flash memory
- AD1835 stereo, 96 kHz, 24-bit codec
- 4 × 2 RCA jack for four channels of stereo audio output
- 1 × 2 RCA jack for one channel of stereo audio input
- Headphone jack (connected to one of stereo outputs)
- SPDIF In RCA jack
- SPDIF Out RCA jack
- ADM3202 RS-232 driver/receiver
- USB-based debugger interface
- JTAG ICE 14-pin header
- Evaluation suite of VisualDSP++ development tools
- Flash utility for downloading boot code to on-board flash memory
- Type A expansion interface with three connectors supporting external port, FLAG, DPI, and DAI interfaces
- 20-pin DPI header
- 26-pin DAI header
- Eight general-purpose LED
- Four push buttons: two general-purpose (connected to DAI), two IRQ (connected to flag pins)
- ELVIS interface
- USB cable
- 3.5 mm stereo headphones
- 6-foot RCA audio cable
- 6-foot 3.5 mm/RCA × 2 Y-cable
- CE certified

System Requirements

- Intel® Pentium® 166 MHz, or higher
- 32 MB RAM, minimum
- Microsoft® Windows® 98/2000/XP
- One available USB connector

Overview

The ADSP-21369 EZ-KIT Lite® provides developers with a cost-effective method for initial evaluation of the ADSP-21367, ADSP-21368, and/or ADSP-21369 SHARC® Processor architecture via a USB-based, PC-hosted tool set. With this EZ-KIT Lite, users can learn more about the Analog Devices (ADI) ADSP-21369 hardware and software development, and quickly prototype a wide range of applications.

The EZ-KIT Lite includes an ADSP-21369 SHARC Processor desktop evaluation board along with an evaluation suite of the VisualDSP++® development and debugging environment, including the C/C++ compiler, assembler, and linker. The evaluation suite of VisualDSP++ is designed to be used with the EZ-KIT Lite only.

An Analog Devices SHARC USB EZ-Extender® daughter board (sold separately) can attach to the ADSP-21369 EZ-KIT Lite using the three expansion connectors, allowing a USB 2.0 peripheral to directly connect to the ADSP-21369 external port and interface with the EZ-KIT Lite.

ANALOG DEVICES

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CROSSCORE Development Tools

The ADSP-21369 EZ-KIT Lite is a part of the Analog Devices CROSSCORE® Development Tools product line, which is composed of a comprehensive set of development tools providing engineers with easier and more robust methods for developing and optimizing systems.

The CROSSCORE components include:

- VisualDSP++ development and debugging environment
- EZ-KIT Lite evaluation kits
- EZ-Extender daughter boards
- Emulators

The easy-to-use VisualDSP++ integrated development environment speeds development, debugging, and deployment while shrinking product development cycles and improving time to market. The EZ-KIT Lite evaluation kits provide an easy way to investigate the performance of Analog Devices' family of embedded processors and DSPs. EZ-Extender daughter boards give developers access and ability to connect various peripherals from Analog Devices and third parties to the expansion interface of the EZ-KIT Lite evaluation kits. Emulators are available for both PCI and USB host platforms for rapid on-chip debugging.

Embedded Processors and DSPs

Analog Devices is a leading supplier of digital signal processing solutions, from the high performance Blackfin® Processors, TigerSHARC® Processors, and SHARC Processors to integrated mixed-signal DSPs for an increasing spectrum of applications. Our advances in design provide faster processing, more memory, lower power consumption, and simplified system integration. Analog Devices gives you a competitive edge by providing a complete solution, including expert technical support, comprehensive development tools, and an independent network of third-party developers called the Collaborative™. For more information about ADI processors and DSPs, visit *www.analog.com/processors.*

CROSSCORE® Tools Support

Tel: 1.800.ANALOGD
Web: *www.analog.com/processors/tools*
Analog Devices is committed to providing high quality, timely, accurate, and free technical support and software upgrades.

Ordering Information

Please call your local Analog Devices sales representative or distributor for pricing and ordering information for part number: ADDS-21369-EZLITE.

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