

Digital Signal Processing

EZ-KIT Lite™ for the ADSP-BF533 and BF535 Blackfin® Processor



The ADSP-BF533 EZ-KIT Lite provide developers with a cost-effective method for initial evaluation of the ADSP-BF533 Blackfin Processor for a wide range of applications including audio and video processing. The EZ-KIT Lite includes an ADSP-BF533 desktop evaluation board and fundamental debugging software to facilitate architecture evaluations via a USB-based PC-hosted tool set. With this EZ-KIT Lite, users can learn more about ADI's ADSP-BF533 hardware and software development and prototype applications. The ADSP-BF533 EZ-KIT Lite provides an evaluation suite of the VisualDSP++ integrated development and debug environment with C/C++ compiler, advanced plotting tools, statistical profiling, VisualDSP Component Software Engineering (VCSE), and the VisualDSP++ Kernel (VDK). Other features include; assembler, linker, libraries, and splitter. VisualDSP++ offers programmers a powerful programming tool with flexibility that significantly reduces the time-to-market. The VisualDSP++ software included with the EZ-KIT Lite is limited in program memory size for use solely with the EZ-KIT Lite product.

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Features:

- ADSP-BF533/535 Blackfin® Processor
- 32MB (16M x 16-bit) SDRAM for BF533 and 4M x 32-bit SDRAM for BF535
- 2MB (512K x 16-bit x 2) FLASH memory for BF533 and 272K x 16-bit Flash memory for BF535
- AD1836 96 kHz audio codec with 4 input and 6 output RCA jacks
- ADV7183 video decoder with 3 input RCA jacks
- ADV7171 video encoder with 3 output RCA jacks
- ADM3202 RS-232 line driver/receiver
- ADP3088 Analog Devices switching regulator for core power management for the BF535
- DB9 male connector
- USB-based debugger interface
- JTAG ICE 14-pin header

- SPORT0 connector
- Evaluation suite of VisualDSP++
- Three 90-pin connectors providing PPI, SPI, EBIU, Timers0-2, UART, Programmable Flags, SPORT0, and SPORT1 expansion interfaces for analyzing and interfacing

System Requirements:

- Pentium®166 MHz or higher
- Minimum of 32MB of RAM
- Windows® 98, Windows 2000, or Windows XP
- One USB port

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Mfrs. List No.	Order Code	Price Each
ADDS-BF533-EZLITE	509-8567	29,150.00
ADDS-BF535-EZLITE	509-8579	21,498.00
ADDS-BF561-EZLITE	854-6193	33,548.00

F2812 eZdsp™ Starter Kit(DSK)



The F2812 eZdsp™ is a stand alone module that lets evaluators examine certain characteristics of the F2812 digital signal processor (DSP) to determine if this DSP meets their application requirements. This module has a single chip parallel port to JTAG scan controller. Therefore the module can be operated without additional development tools such as an emulator. The module also provides an excellent platform to develop, demonstrate, and run software for the F2812 processor.

Features:

- TMX320F2812 Digital Signal Processor
- 18K words RAM
- 128K words on chip Flash ROM
- 64K words on board RAM
- Expansion connectors
- Onboard embedded IEEE 1149.1 JTAG controller
- 5 Volt only operation with supplied adapter
- Onboard IEEE 1149.q JTAG emulation
- Code Composer Studio v2.12 (eZdsp version).

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Mfrs. List No.	Order Code	Price Each
TMDSEZD2812-0E	509-9249	28,777.00

SHARC DSP Micros

The ADSP-21065 is a 32-bit fixed and floating point processor. It combines a DSP core with integrated on-chip instruction cache, 544Kbit SRAM memory, host processor interface, DMA controller and enhanced serial ports.

210934

Pins	Description	Mfrs. List No.	Order Code	1+	100+	+	Price Each
21065	208 Fixed/Floating Point, 544 K-bit SRAM, DMA Controller and Serial Ports, 3.3V Operation...	ADSP-21065LKSZ-240	960-3930	1,766.00	1,382.00	--	

C2000, C5000, C6000

C2000 DSPs give designs more processing power compared to 8, 16 and 32-bit microcontrollers and add features, easy-to-use development environment and wide ranging system flexibility with numerous peripherals.

C5000 devices provide the optimal solution for a wide range of products and sets the path for next generation communications applications.

C6000 platform provides a range of fixed and floating-point DSPs to enable developers to choose the device that best suits their specific application.

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Pins/Package	Description	Mfrs. List No.	Order Code	1+	25+	100+	Price Each
132 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 12 PWM outputs, 16 Channel 10 bit ADC, 3 timers, 2 Serial ports.	TMS320F240PQG4	120-2013	1,208.00	1,049.00	956.00	
68 PLCC	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 12 PWM outputs, 16 Channel 10 bit ADC, 3 timers, 2 Serial ports.	TMS320F241FN.	316-7756	1,186.00	1,091.00	1,027.00	
68 PLCC	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 12 PWM outputs, 16 Channel 10 bit ADC, 3 timers, 2 Serial ports.	TMS320F241FN	121-2856	996.00	865.00	788.00	
64 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 8 PWM outputs, 8 Channel 10 bit ADC, 3 timers, 2 Serial ports.	TMS320F241PG.	316-7744	1,110.00	983.00	948.00	
64 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 8 PWM outputs, 8 Channel 10 bit ADC, 3 timers, 2 Serial ports.	TMS320F241PG	121-2855	921.00	800.00	729.00	
144 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 8 PWM outputs, 8 Channel 10 bit ADC, 2 timers, 2 Serial ports.	TMS320F243PGE	120-2014	1,040.00	904.00	823.00	
64 TQFP	40 MIPS, 16-bit Fixed point DSP with 16K Flash, 8 PWM outputs, 8 channel 10-bit ADC, 2 timers, 2 Serial port, SPI/SCI/CAN module.	TMS320LF2403APAGA.	509-9122	752.00	628.00	592.00	
64 TQFP	40 MIPS, 16-bit Fixed point DSP with 16K Flash, 8 PWM outputs, 8 channel 10-bit ADC, 2 timers, 2 Serial port, SPI/SCI/CAN module.	TMS320LF2403APAGA	110-3122	772.00	648.00	575.00	
100 LQFP	40 MIPS, 16-bit Fixed point DSP with 32K Flash, 16 PWM outputs, 16 channel 10-bit ADC, 4 timers, 2 Serial port, SPI/SCI/CAN module.	TMS320LF2406APZA	110-3123	783.00	656.00	618.00	
144 LQFP	40 MIPS, 16-bit Fixed point DSP with 32K Flash, 16 PWM outputs, 16 channel 10-bit ADC, 4 timers, 2 Serial port, SPI/SCI/CAN module, external memory interface.	TMS320LF2407APGEA..	509-9146	788.00	700.00	620.00	
144 LQFP	60MIPS, 32-bit floating point, Hi performance DSP.	TMS320LF2407APGEA	110-3124	830.00	739.00	681.00	
144 LQFP	100MIPS, 40-bit ALU, 16-bit memory fixed point advanced bus DSP.	TMS320VC33PGE-120.	355-5951	960.00	899.00	847.00	
144 TQFP	100MIPS, 40-bit ALU, 16-bit memory fixed point advanced bus DSP.	TMS320VC33PGE-120	121-4395	2,089.00	1,484.00	1,221.00	
144 TQFP	100MIPS, 40-bit ALU, 16-bit memory fixed point advanced bus DSP.	TMS320VC549PGE-100..	355-5987	2,312.00	2,180.00	2,092.00	
144 TQFP	100MIPS, 40-bit ALU, 16-bit memory fixed point advanced bus DSP.	TMS320VC549PGE-100	121-4396	2,373.00	2,145.00	1,992.00	
144 LQFP	160 MIPS, 16-bit fixed point, low voltage with 1 timer, 3 Serial ports.	TMS320VC5402APGE16	121-4440	898.00	781.00	712.00	
144 TQFP	100 MIPS, 16-bit fixed point, low power, low cost DSP.	TMS320VC5402PGE100..	316-7770	479.00	412.00	377.00	
144 TQFP	100 MIPS, 16-bit fixed point, low power, low cost DSP.	TMS320VC5402PGE100	121-4352	505.00	436.00	376.00	
16mm 288 BGA	1600 MIPS, 200MHz High Performance 32-bit fixed point DSP	TMS320C6204ZHK200	120-2018	908.00	762.00	663.00	
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28mm 208 TQFP	1200 MFLOPS, 200MHz High Performance 32-bit floating point DSP	TMS320C6713PYP200.	509-9225	1,600.00	1,476.00	1,425.00	
28mm 208 TQFP	1200 MFLOPS, 200MHz High Performance 32-bit floating point DSP	TMS320C6713BPYP200	121-4441	1,792.00	1,596.00	1,482.00	

Semiconductors - Integrated Circuits

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Compliant Non-compliant + Limited stock - RoHS replacement available

RoHS