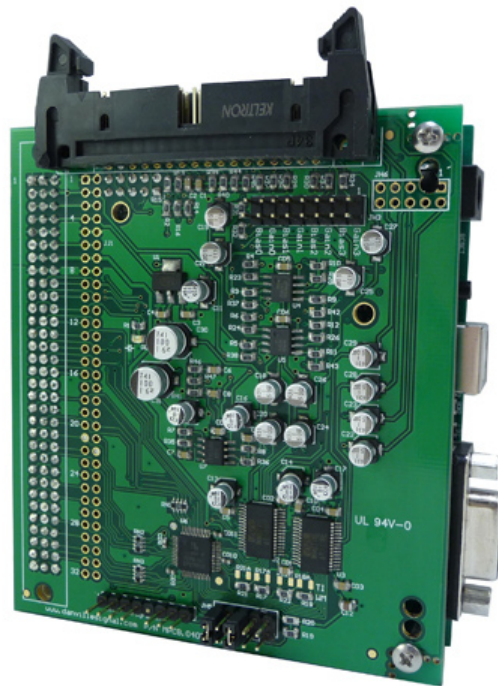


## Introducing the dspstak™ Family of Products

- Compact Size (3.5" x 4")
- Flexible I/O
- Field Programmable
- Standalone Operation
- Fast Time to Market
- Reduced Development Costs & Risks
- Standardized Form Factor
- Optimized for DSP Embedded Applications



Simplify your DSP-based embedded applications with dspstak™ DSP Engines and Signal Conditioning / Data Conversion I/O Modules.

Danville Signal's dspstak Engines are available for the latest Analog Devices SHARC® family processors. The modules generally consist of a DSP processor, memory, power supplies and standard digital I/O such as RS-232 and USB.

The I/O Modules may include signal conditioning electronics, A/D converters, D/A converters, audio transceivers, unique connectors and a plethora of other special front-end requirements.

Since the dspstak I/O module is separate from the DSP module, custom interfaces can be created quickly and inexpensively.

The dspstak DSP Engine with ICE is supported by a free KIT license of Visual DSP++ with exactly the same functionality as an Analog Devices EZ-KIT. All dspstak DSP Engines can also take advantage of the full featured Visual DSP++ tools and the Analog Devices HPUSB & USB emulators.



All dspstak DSP Engines include flash memory to store program code. Bootable program code can be uploaded into the flash by either USB or RS-232 without the need for any special programming tools.

Danville Signal's dspstaks are ideal for small and medium sized production runs. Start with a dspstak with ICE development board and then move directly to a form factor equivalent production board. This greatly reduces time-to-market.

#### **DSP Engines:**

- dspstak™ 21369zx/zx2 DSP Engines (ICE versions are available)
- dspstak™ 21369+fpga DSP & FPGA Engines (ICE versions are available)
- dspstak™ 21262sx DSP Engine

#### **I/O Boards for Audio Applications**

- dspstak™ c192k48 - 4/8 audio input & output channels, up to 192k sampling (stackable for greater channel count)
- dspstak™ S/PDIF - 1/4 digital audio input & output channels

#### **I/O boards for Industrial Applications**

- dspstak™ c192k22 - 2/2 audio input & output channels, up to 192k sampling
- dspstak™ c96k44 - 4/4 audio input & output channels, up to 96k sampling (stackable for greater channel count)
- dspstak™ optically-isolated Digital I/O

#### **I/O boards for SDR and High Speed Data Acquisition Applications**

- dspstak™ a9248 - two channel high speed ADC & DAC I/O Module
- dspstak™ a9238 - two channel high speed ADC I/O Module



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