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**August 4, 2000 – Houston, TX**

**FleXDS eXpressDSP Development Solution**

**[www.flexds.com](http://www.flexds.com)**

# FleXDS.com Overview

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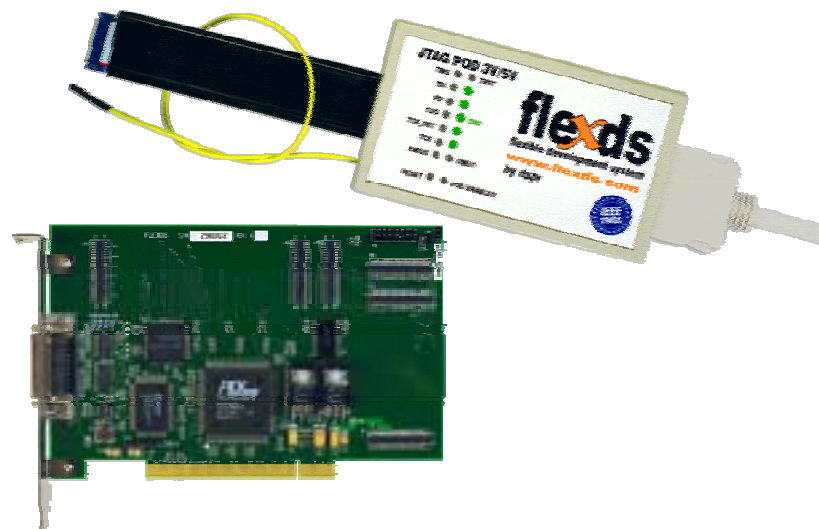
## ◆ **FleXDS.com is a division of DSP Research**

- For over 10 years, **DSPR** has provided system & applications developers with high-quality **TIGER** TMS320 DSP boards and emulators
- Many **eXpressDSP** solutions – including Code Composer Studio and the DSP/BIOS software – have been developed using our boards and emulators
- Today, our **FleXDS.com** division provides a modern, cost effective eXpressDSP platform with the **FleXible Development System** – the **FleXDS**

# What's a FleXDS?

- ◆ **FleXDS is a modern PCI-based JTAG emulator for TMS320 DSPs**
  - Fast, PCI-based host card
  - Auto-voltage JTAG POD with diagnostic LEDs and 10 foot cable
  - Supports Code Composer Studio with RTDX
  - Diagnostic LEDs for easy target error identification
  - Supports all TMS320 families, with easy migration from one family to the next

- ◆ **And the FleXDS expands ...**



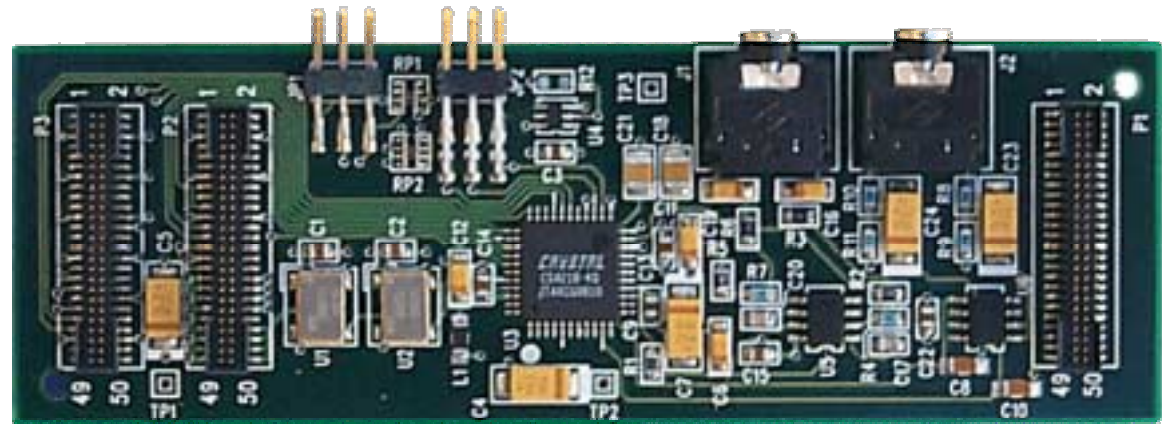
# FleXDS DSP Modules

- ◆ **DSP modules expand the FleXDS to a development platform**
  - Many modules available today:
    - ◆ C5000: C548, C549, C5410, C5420, C5421, C5402, C5409...
    - ◆ C6000: C6201, C6701, C6202, VC33...
  - New modules are added as new DSPs are introduced:
    - ◆ C5416, C5440, C5510 ... C6203, C6204, C6205, C6211, C6711
  - Module interfaces and schematics are freely available on the web.
- ◆ **Simple DSP Modules = Quick support for new DSPs!**



# FleXDS I/O Modules

- ◆ A second slot on the FleXDS accommodates an I/O module
- ◆ With an I/O module, the FleXDS becomes a complete eXpressDSP development platform
  - Available today: Dual-channel, 16-bit AD/DA I/O module.
  - Custom modules can be added to match target-application hardware.
  - Module interfaces are open & schematics are freely available on the web.



# FleXDS is eXpressDSP Enabled

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- ◆ **The FleXDS supports Real Time Data Transfer**
  - With eXpressDSP RTDX, target execution can be monitored in real time
  
- ◆ **The FleXDS supports DSP/BIOS**
  - DSP/BIOS code can be developed and tested on FleXDS DSP modules
  
- ◆ **The FleXDS supports CCS Plug-ins**
  - Unique plug-ins for CCS have been developed for the FleXDS
  
- ◆ **As a member of the eXpressDSP value-web, FleXDS.com will continue to offer developers real tools in real time for real time development.**

# FleXDS Feature-Benefits

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- ◆ **Debug software before target hardware is ready**
  - Use a DSP module with exactly the same DSP as the final target
  - Easily compare and benchmark different members of the same DSP family, or even different families
  
- ◆ **Use I/O modules to imitate final target hardware**
  - Get ready-made modules from DSPR
  - Open interface -- design your own module to match final target
  
- ◆ **Debug unknown target hardware with confidence**
  - FleXDS JTAG POD can be “looped-back” to a known good DSP module for instant comparison
  - Diagnostic LEDs on JTAG POD help find target errors

# FleXDS is an Open Standard

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- ◆ **Module interfaces and schematics are open . . . and free**
  - Schematics for DSP and I/O modules are available at [www.flexds.com](http://www.flexds.com)
  - Module interfaces and pin-outs are open and published
  
- ◆ **Source code for DSP & I/O modules is provided . . . royalty free!**
  - Example software for each module included
  - Source code available on the web -- no surprises



# FleXDS - Pricing & Availability

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## ◆ Available today

- See the FleXDS in the demo area
- Visit [www.flexds.com](http://www.flexds.com) for complete information

## ◆ Contact FleXDS.com for information

- Call: 408-773-1042
- Email: [info@flexds.com](mailto:info@flexds.com)
- Or give your VISA card to Christine today...