

FOR IMMEDIATE RELEASE

CONTACT:

John Fasso
(877) 983-4514
www.blackhawk-dsp.com
E-mail: sales@blackhawk-dsp.com

New device from Blackhawk adds OMAP™ Adaptive Clocking for Texas Instruments (TI) Compatible JTAG Emulators

Mount Laurel, NJ (September 12, 2005) – Blackhawk™, a leader in the design of digital signal processor (DSP) hardware and software development tools, announced today that it has developed a new adapter that allows JTAG emulators for TI DSPs to synchronize with the adaptive clocking cores of Texas Instruments' OMAP devices. The JTAG Adaptive Clocking Kit (JACK) is priced at \$149.95 and is available now.

The JACK is a cost-effective way to preserve current emulator investment. It allows the use of legacy emulators to debug the latest OMAP devices without sacrificing features or performance.

The advantage of using Adaptive Clocking is being able to automatically adjust to the optimum TCK rate. Currently, Code Composer Studio™ (CCStudio) configuration workarounds for OMAP recommend slowing down the TCK frequency, which degrades system performance. The ARM® core has the ability to vary the frequency of its core clock during operation. This affects RTCK and the optimal TCK frequency that can be achieved, so not being able to adapt to the change in overall clock rate lowers performance and increases the risk of data corruption.

Installation of the 1 inch square PCB adapter is quick and easy because it is keyed (pin 6), matching the standard TI 14-pin JTAG specification on both ends. This permits it to fit between the emulator's 14-pin end and the target end without any modification. Also included in the kit is a right-angle connector which can be used for close-tolerance applications.

Using the JACK does not require any changes to your emulator or CCStudio setup. The adapter will automatically synchronize the JTAG data and clocks for increased speed, stability and data integrity. This applies best to emulators with a fixed TCK output (e.g. TI XDS510™ ISA emulator). However, emulators supporting a variable TCK rate can maximize performance by generating the highest output TCK frequency. Even though speed is enhanced, increasing an emulator's TCK output rate will not affect data integrity. This applies to all XDS560™-class emulators and some newer XDS510 emulators that handle variable TCK rates (e.g. Blackhawk USB510 and PCI510 emulators).

A detailed description of the Adaptive Clocking capabilities of OMAP cores is available for download via Blackhawk's website at www.blackhawk-dsp.com.

The JACK and Blackhawk Emulators are available through a worldwide network of industry resellers. Please visit www.blackhawk-dsp.com/resellers.aspx for a complete list.

###

About Texas Instruments Third Party Program

Blackhawk™ is a member of the TI TMS320™ third party program, the most extensive collection of global DSP development support in the industry. With more than 650 independent companies and consultants, TI's customers have easy access to a broad range of application software, development hardware and software and consulting services. For more information on the TI third party program, please visit www.ti.com/3p.

About Blackhawk

Blackhawk™, a division of EWA Technologies, Inc., of Herndon, Virginia, provides hardware and software for the rapid development of DSP-based applications for a wide variety of vertical markets. Blackhawk™ is a TI DSP total solutions provider for development hardware, advanced JTAG emulators, Real-Time Operating Systems, design services and consulting. For more information on Blackhawk, please visit <http://www.blackhawk-dsp.com>.

Blackhawk is a trademark of EWA Technologies, Inc. All other marks are trademarks of their respective owners.