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Macraigor Systems Provides On-Chip Debug Solutions with Eclipse Ganymede and Full GNU Toolset Support for ARM Cortex-M3 Processors

Engineers building applications for these new ARM technology-based processors will be able to quickly and efficiently debug their hardware and software designs

SANTA CLARA, CA, ARM Developer's Conference—October 7, 2008—
[Macraigor Systems LLC](http://www.macraigor.com) has ported their proprietary On-Chip Debug Technology (OCDemon) to the [ARM Cortex-M3](http://www.arm.com) processors and is now offering full [GNU](http://www.gnu.org) toolsets to be used with these processors and Macraigor Systems interfaces. Engineers developing applications for these new processors can control and debug their hardware designs and application software without the use of other system resources such as [UARTs](http://en.cppreference.com/w/cpp/string/basic/basic_uart), Ethernet channels, or parallel ports. In addition to support from several debuggers, Macraigor is offering a free port of the popular GNU toolkit (gcc, gas and gdb) for these processors on their website, <http://www.macraigor.com> as well as full support for Eclipse Ganymede.



Macraigor's On-Chip Debug Solution with Eclipse Ganymede and Full GNU Toolset Support for ARM Cortex-M3 Processors

Macraigor's JTAG interface devices are immediately available for use with the ARM Cortex-M3 based cores as well as other ARM family devices including ARM 7, ARM 9, ARM 11, Freescale's iMX series, XScale, and others.

Processors are becoming more sophisticated with higher bus speeds and integrated peripherals. Debugging via classic methods, such as In-Circuit Emulators and ROM monitors, does not hold up to the rigors of real-time system test and debug on these next-generation processors. As processors become more complex, on-chip debug resources have been added to aid hardware and software designers. The interface to these on-chip resources is where Macraigor Systems excels. Via a choice of communication channels, a host debugger

—more—

communicates with a Macraigor Systems' device and then to the target processor. Since there is no need for any resident code, this debug method is available for hardware initialization and debug as well as Flash EEPROM programming, kernel, driver, and application software debug. Macraigor Systems offers a host based application that allows programming of Flash EEPROM via the JTAG connection.

"Macraigor Systems is committed to providing hardware/software JTAG debug interface solutions for all current and future ARM technology-based processors," said managing partner James MacGregor.

Pricing & Availability

Macraigor's On-Chip Debug Technology hardware is available immediately from their web site. The Eclipse Ganymede for ARM Cortex-M3 processors is available immediately as a free download from www.macraigor.com/Eclipse .

About Macraigor Systems

Macraigor Systems, LLC is a leading supplier of JTAG connection devices for on-chip debugging. Their reputation in the embedded industry has been built on the OCDemon product technology which provides a low-cost, full-featured connection from a PC to the on-chip debug facilities of 32 and 64-bit processors, providing host support for Windows and Linux and systems.

Macraigor Systems also provides Flash Programming software that allows in-circuit programming of target Flash EEPROM memory devices via a JTAG connection. The Flash Programmer works with a wide variety of the most popular Flash devices currently on the market. For more information about Macraigor Systems' products, please visit www.macraigor.com.

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