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### POLL

Do you think the new RoHS directive will be implemented and policed

- Smoothly
- With difficulty
- Not at all

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## Evaluation and development system supports Ramtron's FRAM-enhanced 8051 MCU

Marty Gold

[eeProductCenter](#)

06/01/2006 10:56 AM

Colorado Springs, Co. — Ramtron International Corp. has begun offering its VersaKit-30xx, a complete and comprehensive evaluation platform that supports the VRS51L3074, Ramtron's new, fully integrated Versa 8051 microcontroller with 8KB of FRAM memory. For details on the new MCU, see [FRAM MCU](#).

The VersaKit-30xx facilitates system prototyping and design development with the VRS51L3074, a FRAM-enhanced system-on-chip with a 40 MHz 8051-core, DSP extensions, a JTAG program/debug interface and a robust set of enhanced communication interfaces.

The kit ships complete with development board that supports the VRS51L3074, Versa-JTAG programming/debugging interface, DB25 parallel cable, programming/in-circuit debugging software, C compiler and assembler, Demo programs and a power supply.

The development board includes: A comprehensive set of probe points and header footprints for easy access to chip peripherals and I/Os; an RS-232 transceiver and two DB9 connectors for UART access; eight user-programmable LEDs; two tact switches for manual reset/interrupt triggering; ample prototyping space; and JTAG access for in-circuit programming/emulation and non-intrusive debugging of the VRS51L3074. For evaluation of Ramtron's FRAM memory devices, the board also features an FM31256 Processor Companion, an FM25CL64 (Serial SPI FRAM) and an FM24CL64 (Serial IC FRAM).

The VersaKit-30xx is available for US \$99.

Ramtron programming and debugging software is provided free with the VersaKit-30xx. Downloads and updates are posted at [Ramtron downloads](#).

Ramtron International Corp. (514) 871-2447

[www.ramtron.com](http://www.ramtron.com)

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### TOP 5 EMBEDDED STORIES

- [8-bit MCUs pack Ethernet MAC/PHY, flash on single chip](#)
- [Audio DSP aims for home theater, automotive apps](#)
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### Around EE Times Europe



#### Europe continues to lag in chip sales

Sales of semiconductors in Europe are continuing to underperform other regions, according to World Semiconductor Trade

Association. Statistics from the U.S. Semiconductor Industry Association.



#### New Europe's quiet fabs are flourishing

High wages, taxes and stringent labor laws in Europe are part of the reason for diminished wafer fab investment, which has been a

concern for the European Semiconductor Industry Association in Brussels. But perhaps central and eastern Europe, sometimes called New Europe, offers a partial solution.



#### Tribute to Tesla

He is one of history's great inventors, engineers and scientists. Today, we'd call Nikola Tesla an innovator. And not just for his pioneering work on power-distribution

systems and alternating current. Tesla is remembered for inspiring generations of engineers.