

DESIGNERS' NEWS

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Dear Mr. Boschi,

Piccolo™ microcontrollers from Texas Instruments feature architectural advancements and enhanced peripherals to bring the benefits of 32-bit real-time control and greater energy efficiency to applications typically unable to justify the associated cost. Find out [more](#) about Piccolo MCUs.

The new, innovative **Piccolo MCU controlSTICK** allows quick and easy evaluation of all the advanced capabilities of TI's new Piccolo microcontrollers for just \$39.

[Register NOW](#) to win a **FREE Piccolo™ MCU controlSTICK!**



[Register NOW!](#)

Kind regards,
Your Silica Team

Embedded World 2009 Video - Solutions in Motion

At the Embedded World exhibition in Nuremberg SILICA presented some hot applications for RFID, Near Field Communication, Kinetic Energy Recovery and Intel Atom Processors.

[View the video](#) from the SILICA booth and find out more about those applications from our Field Application Engineers.

Analog

[Analog Devices: AD8264 - Quad, 235 MHz, DC Coupled VGA](#)

The AD8264 is a four-channel linear-in-dB, general-purpose Variable Gain Amplifier intended for use in a broad range of applications, from medical imaging to communications, at frequencies from DC to 80 MHz (large signal). It is an integrated, high performance solution, with each channel comprising of a high-impedance input preamplifier, a single-ended high-speed VGA output with a -3dB bandwidth of 235 MHz, and a separate differential amplifier output to 80 MHz.

Connectivity

[NXP: PCA9922 - 8-Channel Constant Current LED Driver](#)

The NXP PCA9922 is a single-chip solution for LED display driving that is optimized for LED video walls, video billboards, and digital signage.

Microcontroller

[Freescale: MC9S08SE8/4 - 8-Bit MCU for more Performance at less Cost](#)

The MC9S08SE8/4 strengthens Freescale's entry level 8-bit microcontroller portfolio. The highly integrated SE controllers give you the choice of cost-effective higher-pin-count devices, with 20 MHz CPU, for entry-level products. Functionality is enhanced with rich analog capabilities, a complete set of serial modules, a temperature sensor and robust memory options, which are ideal for general-purpose consumer and industrial applications in the 2.7 V to 5.5 V range.

Memory

[Micron: MT29F1G01ZACHC - 1Gb Serial NAND Flash](#)

Micron's Serial NAND Flash memory is compatible with the widely used, 4-signal SPI convention. Its compatibility with a well known, de facto standard allows Serial NAND to replace more expensive and far less dense SPI NOR-and even parallel NOR-in many applications.

Find out [more](#) about SILICA's extensive Memory Portfolio.

Power Management

International Rectifier: New HEXFET MOSFETs

International Rectifier, a world leader in power management technology, has recently announced 2 new HEXFET MOSFET families:

[60% Improvement in Package Current Rating](#)

IR's new range of trench HEXFET® Power MOSFETs feature a package current rating of up to 195 A, delivering a 60% improvement over typical package current ratings particularly suitable for industrial battery, power supply, high power DC motors and power tools.

[Industrial Qualified MOSFETs improve RDS\(on\) by 50%](#)

IR's new industrial qualified trench HEXFET® Power MOSFETs provide an improvement of up to 50% in RDS(on) in a TO-247 package, eliminating the need for large and expensive packages typically used in industrial applications, and cutting overall system cost.

RFID

[Impinj Indy R1000 now from SILICA](#)

SILICA and Impinj have signed a pan-European buy-sell contract enabling SILICA to offer Indy™ UHF Gen 2 reader chips from Impinj.

Based on award-winning technology acquired from Intel Corporation, the highly-integrated Indy R1000 reader chip and supporting software deliver the building blocks for a full range of UHF Gen 2 RFID readers, from short-range embedded modules to long-range dock door readers.



Find out [more](#) about SILICA's RFID product portfolio.

Seminars

- [RapidGain™ VHDL Using Xilinx, March/April, pan-European](#)
- [Renesas R8C Seminar, 26th March, Braunschweig, Germany](#)
- [Silica Lighting Days, March - May, pan-European](#)
- [Texas Instruments OMAP35x, March, BNL](#)
- [Texas Instruments F28x Piccolo™ & F28x, March/April, Italy](#)
- [Texas Instruments Power Supply Seminars, March/April, pan-European](#)
- [Seoul PowerLED lighting & Cypress EZ-Color controllers, Poland](#)



[> More Information](#)

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