

DESIGNERS' NEWS

| Amplifiers | MCUs, MPUs & DSPs | Power | RF Power | Tools | Seminars |

Dear Mr. Boschi,

best wishes for a happy and prosperous year 2009 !

Let's start the new year with a Power Boost from Analog Devices:

Order your pack with free samples of six power management products from Analog Devices:
ADP2102, ADP2107, ADP1715, ADP1829, ADM1185 and ADCMP361.

[Click](#) for more information and [register](#) for your free Power Sample Pack!

Kind regards,
Your Silica Team



Amplifiers

[Maxim: MAX13330/1 - Automotive Headphone Amplifiers](#)

The MAX13330/MAX13331 stereo headphone amplifiers are designed for automotive applications requiring output short-circuit and ESD protection to battery/ground with diagnostics. These devices use Maxim's unique, patented DirectDrive® architecture to produce a ground-referenced output from a single supply, eliminating the need for large DC-blocking capacitors, saving board space and component height.

MCUs, MPUs & DSPs



[Analog Devices: Webseminar on SHARC® ADSP-2146x Processors](#)

The Industry's highest performance floating-point processors just got even better, with more memory, more I/O, and more acceleration than ever.

Join Satya Simha, Senior Product Marketing Manager for SHARC DSP Products at Analog Devices Inc., for a detailed overview of the new ADSP-2146X family of SHARC DSPs.
Click on the banner to view the webcast.

[STMicroelectronics: STM8S - Robust and reliable 8-bit MCU Platform](#)

ST has introduced the STM8S MCU family specified for the industrial temperature range. The new MCUs combine the next-generation STM8 core's high speed, performance and code efficiency with versatile peripherals, including a number of specific features for robustness and reliability.

[Texas Instruments: TMS320C6474 - High-Performance Multicore DSP](#)

Three integrated 1 GHz cores on a single die enable 3 GHz of raw DSP performance at 1/3 less power consumption and 2/3 less DSP cost over discrete processing solutions. The TMS320C6474 is particularly ideal as it provides significant system integration for customers currently utilizing DSP farms in applications such as telecom infrastructure, medical, military communications, and industrial and machine vision applications.

The TMS320C6474 is available today and development can start immediately with the TMDXEVM6474 Evaluation Module.

Special Tool Offer:

EUR 1276.- for
TMDXEVM6474
(20% discount)

[Click](#) to request a quotation.

Power Management

[Texas Instruments: TLC5928 - 16-Channel, Constant-Current LED Driver with LED Open Detection](#)

The TLC5928 is a 16-channel, constant current sink driver that allows each channel to be turned on/off by writing serial data to an internal register. The constant current value of all 16 channels is set by a single external resistor and has two error detection circuits. It is ideally suited for applications like LED video displays, message boards, amusement illumination.

RF Power

[NXP: The toughest RF Power Transistors in the Market](#)

Ruggedness, or the ability to withstand a mismatch condition without failure, is one of the most important reliability parameters for RF power transistors. NXP has been leading the way in ruggedness for years and some of NXP's 6th generation LDMOS transistors have been proven to be literally indestructible.

Click [here](#) for an **interactive product selection guide** and your choice of **free samples**.

Design Support

[Avnet, TI and Xilinx launch Analog eLab™ Video Series](#)

Avnet Electronics Marketing, Texas Instruments and Xilinx® have launched a new weekly video series emphasizing power supply design techniques for field-programmable gate arrays.

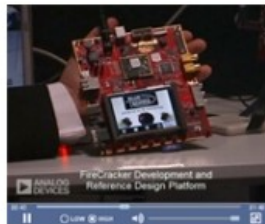
The new [Analog eLab™ video series](#) features engineering subject matter experts from Avnet, TI and Xilinx, discussing and demonstrating innovative solutions and best practices for typical design considerations. Each video is approximately 5-15 minutes long, and helps solve challenges in various stages of power supply design, such as analyzing system requirements, researching compatible devices, circuit design and verifying completed hardware.

[Silica/Analog Devices: Firecracker in Motion](#)

Watch Silica's Blackfin Firecracker Reference and Design Platform in Motion!

(1.5 min video from Analog Devices' Electronica booth)

Find out more about Firecracker [here](#).



Seminars

■ [Silica Speedway Design Workshops, 20th-22nd Jan., Stockholm, Sweden](#)

■ [Analog Devices Blackfin DSP uP, 27th Jan., Breda, NL](#)

■ [Maxim Seminar, 3rd Feb. Kista & 4th Feb. Lund, Sweden](#)

■ [Maxim Seminar, 5th Feb., Asker, Norway](#)

■ [Silica's Memory Day, 5th Feb., Kortrijk, Belgium](#)

■ [Technisches Grundlagenseminar für Einkäufer, 10th Feb., Beierfeld, Germany](#)

■ [Silica Speedway: Creating FPGA-based Co-Processors for DSPs, February 2009, pan-European](#)



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