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**For Immediate Release**

**Cypress Expands Family of PREMIS™ Frequency Timing Generators,  
Using Advanced Spread-Spectrum Technology to Reduce Peak EMI in Digital Systems**

*SmartSpread™ Technology Speeds Time to Market and Regulatory Qualification Process;  
New Parts Target a Range of Applications in Communications and Computation Markets*

SAN JOSE, Calif., August 23, 2000 – Cypress Semiconductor (NYSE: CY) today announced the expansion of its PREMIS™ (Peak Reducing EMI Solutions) family of frequency timing generators (FTGs), highlighting three devices that feature SmartSpread™ technology. SmartSpread is a new advance in spread spectrum timing technology that allows the device to adapt to a wide range of input frequencies and provide optimal EMI suppression. Cypress is also introducing an additional nine new PREMIS™ family members, which will further broaden the range of timing solutions available to designers of communications and computational systems.

Spread spectrum technology reduces peak EMI in digital systems, accelerating both time to market and the qualification process of regulatory agencies such as the Federal Communications Commission (FCC).

“SmartSpread technology allows the W530, W530-02 and W245-30 PREMIS devices to provide best-in-class EMI suppression in a wide range of applications and platforms. Most immediately, it is being adopted to enable high resolution, UXGA and QXGA, LCD panels,” said Ian Chen, marketing director for Cypress’s Timing Technology Division. “Our expansion of the PREMIS family is strong evidence of our continuing commitment and success in spread spectrum timing technology and its applications.”

**About PREMIS**

The PREMIS product family of FTGs modulate the frequency of output signals with a low-frequency carrier to reduce EMI. This technology enables systems to pass increasingly stringent EMI testing without costly shielding or redesign.

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Cypress's spread spectrum FTGs superimpose a modulating waveform at the input to the VCO, causing the VCO output to be slowly swept across a predetermined frequency band. Because the modulating frequency is typically 1000 times slower than the fundamental clock, the spread spectrum process has negligible impact on system performance.

Every device in the PREMIS product line offers selectable input to output frequency, -1.25 percent to -3.75 percent down spread output and integrated loop filter components. Designed in low-power CMOS, the Cypress FTGs operate at either 3.3V or 5V.

The W530, W530-02 and W245-30 offer output ranges of 28-75 MHz. They are available in the 20-pin SSOP.

### **Pricing and Availability**

The expanded PREMIS family of FTGs is available now, priced from \$1.95 to \$2.35 in quantities of 10,000.

### **About Cypress**

Cypress Semiconductor provides high-performance integrated circuit solutions "By Engineers. For Engineers.™" for fast-growing companies in fast-growing markets, including data communications, telecommunications, computation, consumer products, and industrial-control. With a focus on emerging communications applications, Cypress's product lines include networking-optimized and micropower static RAMs; high-bandwidth multi-port and FIFO memories; high-density programmable logic devices; timing technology for PCs and other digital systems; and controllers for Universal Serial Bus (USB). Cypress is No. 1 in the USB and clock chip markets.

More than two-thirds of Cypress's sales come from fast-growing communications markets and dynamic companies such as Alcatel, Cisco, Ericsson, Lucent, Motorola, Nortel Networks, and 3Com. Cypress's ability to mix and match its broad portfolio of intellectual property enables targeted, integrated solutions for high-speed systems that feed bandwidth-hungry Internet applications. Cypress aims to become the preferred silicon supplier for Internet switching systems and for every Internet data stream to pass through at least one Cypress IC.

Cypress employs more than 4,100 people worldwide with international headquarters in San Jose, California. Its shares are listed on the New York Stock Exchange under the symbol CY. More information about Cypress is accessible electronically on the company's worldwide web site at <http://www.cypress.com> or by CD-ROM (call 1-800-858-1810). An electronic investor forum, and other investor information, is located at <http://www.cypress.com/investor/index.html>.

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"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: Statements herein that are not historical facts are "forward-looking statements" involving risks and uncertainties. Please refer to Cypress's Securities and Exchange Commission filings for a discussion of such risks.

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