Press Release

CYPRESS INTRODUCES WORLD'S FASTEST ROBOCLOCK® DEVICE

110-MHz 3.3-V Device Extends Leadership in Programmable Clock Chips

SAN JOSE, Calif., August 23, 1999 -- Cypress Semiconductor Corporation [NYSE:CY] today extended its leadership in the programmable clock chip market with the introduction of a 110 MHz, 3.3-V version of the popular CY7B991V (known as RoboClock**®**) device to address high-bandwidth applications. The CY7B9911V offers the same industry-leading features as the original RoboClock, including programmable skew and zero propagation delay while addressing higher-speed applications up to 110 MHz and the need for 3.3-V supply voltage.

RoboClock devices are the most programmable clock skew buffers in the world, compensating for clock skews arising from varying circuit board trace lengths and device set-up and hold times. They offer customers design flexibility with user-selectable outputs allowing multiply by two and four, divide by two and four, and invert and non-inverted options. RoboClock also lets designers minimize effects such as distortion (e.g., crosstalk) and electro-magnetic interference (EMI) associated with the distribution of high-speed clocks in multiprocessing systems or from board to board within a system. RoboClock's programmability allows designers to solve difficult board layout issues quickly, speeding time-to-market in mass storage equipment, networking, telecommunications, video graphics, and other applications.

RoboClock's specifications include skew control tested and guaranteed to 500 picoseconds, with selectable skew between outputs from 750 ps to 18 ns. For clock buffering applications, RoboClock devices offer zero propagation delay and zero output skew. They guarantee a 50% duty cycle, a specification bus standards such as PCI require. Non-PLL based clock buffers do not control the pulse skew that creates duty-cycle distortion.

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"RoboClock has been acknowledged by the top LAN, WAN, and SAN customers as the number one programmable clock chip in the market," said Geoff Charubin, director of marketing for Cypress DataCom product line for Cypress. "This high-speed offering will allow our customers to solve tough timing issues in their bandwidth-hungry systems."

All key skew specifications of the RoboClock devices are tested and guaranteed, including pin-to-pin skew, propagation delay, and rise and fall time. Cypress is the only supplier that tests and guarantees all skew specifications for a skew control device, ensuring reliable operation in customer systems.

Price and Availability

The 3.3-V CY7B9911V RoboClock is available now in production quantities. Available in 32-pin PLCC packages, the devices are offered in 500- and 750-ps accuracy versions. In 10,000-unit quantities, the 750-ps version is priced at $13.75. Customers can call Cypress at 1-(800) 858-1810 in the US or (408) 943-2600 for more information.

Cypress Semiconductor Corporation, headquartered in San Jose, California, provides a broad range of integrated circuits for leading computer, networking, and telecommunications companies worldwide. Cypress's products include static RAM and specialty memories, programmable logic devices (PLDs), data communications products, timing devices, and USB microcontrollers. Its shares are listed on the New York Stock Exchange under the symbol CY, and its web site is http://www.cypress.com.

"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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RoboClock is a registered trademark of Cypress Semiconductor Corp.