NEWS RELEASE

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FOR IMMEDIATE RELEASE

Peregrine Semiconductor PE334x Integer-N PLLs embed EEPROM

Permanent store of control bits allows easy configuration

San Diego, California, June 8, 2004 -- Peregrine Semiconductor Corporation, a leading supplier of high-performance RF CMOS and mixed-signal communications ICs, today broadened its high-performance integer-N phased locked-loop (PLL) family with the introduction of the PE3341 and PE3342 devices. The new PLLs feature embedded field-programmable EEPROM capable of frequency synthesis up to 2.7 GHz with a speed-grade option to 3.0 GHz. The EEPROM allows designers to permanently store control bits, allowing easy configuration of self-starting synthesizers.

The PE334x devices, operating with 20 mA at 3V, include a ÷10/11 dual modulus prescaler, counters, and a phase comparator. The counter chain operates in high-frequency or prescaler bypass mode. Counter values are programmable through a three-wire serial interface. The PE3341 features a complete charge pump, while the PE3342 utilizes phase-frequency detector (PD) outputs which making it easier to scale to higher tuning voltages. The PD outputs generate up and down frequency control signals and are also used to enable a lock detect circuit.

"UTSi® RF CMOS Silicon-on-Sapphire technology enables the unique ability to monolithically integrate EEPROM with our standard PLL core," said Rodd Novak, director of marketing and business development. "This feature effectively eliminates a microcontroller from our customers' bill of materials, simplifies design and lowers total cost," he added.

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ADD ONE/PE3341_02

The PE3341 and PE3342 devices are available in 24-lead TSSOP or 20-lead 4x4mm QFN package and are the newest members of Peregrine's extensive PLL family. Peregrine also offers space-qualified PLLs with embedded EEPROM as the PE9721 and PE9722 devices in a 24-lead CFPG package. Product samples, unit pricing and volume production are available now through Peregrine Semiconductor and its worldwide distribution partner, Richardson Electronics.

About UTSi® RF CMOS Silicon-On-Sapphire (SOS) Technology

UTSi® (Ultra-Thin-Silicon) RF CMOS is a proprietary, patented variation of silicon-on-insulator (SOI) technology. It is the first commercially qualified use of sapphire substrates with high yields and competitive costs. UTSi CMOS combines high-performance RF, mixed-signal, passive elements, nonvolatile memory and digital functions on a single device. Significant performance advantages exist over competing mixed-signal processes such as GaAs, SiGe BiCMOS and bulk silicon CMOS in applications where RF performance, low power and integration are paramount. Additionally, because UTSi SOS is fabricated in standard high-volume CMOS facilities, Peregrine products benefit from the fundamental cost effectiveness and high yields, scalability and integration of CMOS, while achieving the performance of SiGe and GaAs. And since sapphire is a near perfect insulator, UTSi SOS products can integrate high-quality passive devices directly into the IC, offering unprecedented levels of RF integration and cost effectiveness.

About Peregrine Semiconductor

Peregrine Semiconductor Corporation designs, manufactures, and markets high-performance communications ICs for the wireless, broadband cable communications, satellite and defense markets. The Peregrine product portfolio offers unprecedented levels of monolithic integration, afforded by its patented UTSi® RF CMOS silicon-on-sapphire process. The Company, headquartered in San Diego, California; maintains established design centers and operations in Chicago, IL; Aix-en-Provence, France; Sydney, Australia; and Tokyo, Japan. Additional information is available on the web at peregrine-semi.com. Contact Peregrine's worldwide distribution partner, Richardson Electronics (NASDAQ: RELL), for sales information at 1-800-737-6937.

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微波光电部专业代理经销高频、微波、光纤、光电元器件、组件、部件、模块、整机；电磁兼容元器件、材料、设备；微波 CAD、EDA 软件、开发测试仿真工具；微波、光纤仪器仪表。欢迎国外高科技微波、光纤厂商将优秀产品介绍到中国、共同开拓市场。长期大量现货专业批发高频、微波、卫星、光纤、电视、CATV 器件： 晶振、VCO、连接器、PIN 开关、变容二极管、开关二极管、低噪晶体管、功率电阻及电容、放大器、功率管、MMIC、混频器、耦合器、功分器、振荡器、合成器、衰减器、滤波器、隔离器、环行器、移相器、调制解调器；光电子元器件和组件：红外发射管、红外接收管、光电开关、光敏管、发光二极管和发光二极管组件、半导体激光二极管和激光器组件、光电探测器和光接收组件、光发射接收模块、光纤激光器和光放大器、光调制器、光开关、DWDM 用光发射和接收器件、用户接入系统光光收发器件与模块、光纤连接器、光纤跳线/尾纤、光衰减器、光纤适 配器、光隔离器、光耦合器、光环行器、光复用器/转换器；无线收发芯片和模组、蓝牙芯片和模组。

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