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FOR IMMEDIATE RELEASE

**PEREGRINE SEMICONDUCTOR INTRODUCES FAMILY OF HIGH-ISOLATION
ABSORPTIVE CMOS SWITCHES TARGETING CATV APPLICATIONS**

—Peregrine’s CATV Switches Offer a High Input IP2 of 80 dBm —

SAN DIEGO, Calif. — February 21, 2002 — Peregrine Semiconductor, an innovative supplier of high-performance integrated circuits for the optical networking and wireless communications markets, today announced the first two products of a new family of high-isolation, absorptive CMOS Switches, the PE4232 and PE4240. These low insertion loss switches, operating from 5 MHz to 1300 MHz, are targeted at the high growth CATV market.

The PE4232 and PE4240 Ultra-Thin-Silicon (UTSi®) MOSFET CATV Switches are Single Pole Single Throw (SPDT) switches with the PE4232 showing exceptional isolation characteristics of >53dB at 1 GHz and >90dB at 5 MHz. The PE4232 has both input and output integrated 75Ω terminations while the PE4240 has an input 75Ω termination with the output port being open-reflective.

The CATV switches are available in very small 6-lead, 3x3mm MLPMP packages and performs exceptionally well over typical CATV frequencies. They are true, single-supply devices with integrated on-chip CMOS control logic, providing a simple interface to other CMOS control devices. The flexible single-pin control interface can also be driven by a +5-volt TTL signal input. These switches exhibit ultra-low power consumption of less than 30μA with a nominal 3-volt supply.

“The PE4232 and PE4240 are statements of the excellent isolation and low-frequency linearity performance afforded by Peregrine’s UTSi® CMOS technology and our commitment to

the development of world-class switch products,” said Stav Prodromou, chief executive officer of Peregrine Semiconductor.

The PE4232 and PE4240 have a 1dB compression point of +30dBm with an insertion loss of 0.5 to 0.8dB over the operating frequency range. They also exhibit excellent return loss on the order of 20dB, and video feedthrough of less than 15mV_{pp}. An important figure of merit, the input IP₂, is an outstanding 80dBm.

Pricing for the PE4232 and PE4240 starts at \$1.98 per unit in volumes of ten thousand. Demonstration samples of the switches are now available through Peregrine Semiconductor and general samples will soon be made available through Peregrine’s worldwide distribution partner, Richardson Electronics.

About Peregrine Semiconductor:

Peregrine Semiconductor Corporation designs, manufactures, and markets high-speed communications integrated circuits for the broadband fiber, wireless and satellite communications markets. Using its patented Ultra-Thin-Silicon (UTSi®) CMOS process, Peregrine has launched a series of radio frequency IC products for high-growth applications, including CDMA digital cellular, Bluetooth personal area wireless networks and wireless remote sensing and control. Peregrine, headquartered in San Diego, California, also has established design centers and satellite operations in Chicago, Ill., Aix-En-Provence, France, and Sydney, Australia. Peregrine has established a mission to leverage its unique UTSi® process to become a leading supplier of high-speed communications ICs for wireless and wired communications, and compelling photonic components for advanced optical networks. The company’s UTSi® process offers very high performance coupled with the integration, scalability, simplicity and flexibility of conventional CMOS. Additional information on Peregrine Semiconductor is available on its web site: www.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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