**CONTACTS**: Dennis Burman – Marketing Director
Peregrine Semiconductor
858-455-0660
dburman@peregrine-semi.com
http://www.peregrine-semi.com/

Hilary McCarthy
McQUERTERGROUP
858-450-0030 ext. 122
hmccarthy@mcquerter.com
http://www.mcquerter.com

<u>**FOR IMMEDIATE RELEASE**</u>

**PEREGRINE SEMICONDUCTOR INTRODUCES FAMILY OF RF SWITCHES IN ULTRA-MINIATURE PACKAGES FOR MOBILE WIRELESS APPLICATIONS**

*—Peregrine Offers Alternate Source CMOS RF Switches In Industry Standard Footprints—*

**SAN DIEGO — September XX, 2002 —** Peregrine Semiconductor, an innovative supplier of high-performance integrated circuits for the optical networking and wireless communications markets, today announced the addition of four new products to their portfolio of high performance RF switches. The switches come in ultra-small packages and are targeted at mobile wireless applications. The PE4239 and PE4242 are available in a 6-lead SC-70 package, while the PE4241 and PE4243 are available in a 6-lead SOT23 package; all operate at up to 3.0 GHz.

These Ultra-Thin-Silicon (UTSi™) MOSFET RF Switches are single-supply, Single Pole Double Throw (SPDT) RF switches with performance comparable to Gallium Arsenide (GaAs) RF switches. The switches have >30 dB isolation at 1 GHz and are CMOS compatible with a true, single-pin control interface that enables maximum circuit layout efficiency, benefiting mobile wireless applications. Additionally, they are pin and function compatible with many industry standard (GaAs) RF switches that use complementary control inputs, providing an easy upgrade path for existing designs to a low-power, alternate source CMOS solution.

"Peregrine has taken another step toward innovation in providing flexible single-pin or complementary control options in a high performance RF switch in ultra-small, industry standard footprints," said Dennis Burman, marketing director at Peregrine Semiconductor. "This enables RF designers to take advantage of our single-pin control CMOS technology or to move up to a CMOS solution for their existing wireless platforms in production."

*-more-*

Peregrine's RF switches are the first to provide a control interface that can be used either with simple single-pin control or using complementary control signals as implemented by many GaAs RF switches. This gives the development engineer flexibility in the control interface design as fits the application requirements.

More specifically, these RF switches have a typical 1 dB compression point of +27 dBm with a typical insertion loss of 0.7 dB at 1 GHz. They are perfect for IF switching applications in cellular handsets that employ GPS or other enhanced functionality.

Pricing starts at 32 cents per unit in volumes of ten thousand. The switches are now available through Peregrine and its worldwide distribution partner, Richardson Electronics.

**About Peregrine Semiconductor:**

Peregrine Semiconductor Corporation designs, manufactures, and markets high-speed communications integrated circuits for the wireless, satellite, and broadband cable communications markets. Using its patented Ultra-Thin-Silicon (UTSi®) CMOS process, Peregrine Semiconductor has launched a series of radio frequency IC products for high-growth wireless applications (including CDMA and GSM digital cellular), space and defense radiation hard IC's, and switching functions for video applications. Headquartered in San Diego, California, the company has established design centers and satellite operations in Chicago, Ill., Aix-En-Provence, France, and Sydney, Australia.  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.

###

SUNSTAR 商斯达实业集团是集研发、生产、工程、销售、代理经销 、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一, 是一家专业代理和分銷世界各大品牌 IC 芯片和電子元器件的连锁经营綜合性国际公司，专业经营进口、国产名厂名牌电子元件，型号、种类齐全。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商,已在全国范围内建成强大统一的供货和代理分销网络。 我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM 电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA 软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。商斯达实业公司拥有庞大的资料库，有数位毕业于著名高校——有中国电子工业摇篮之称的西安电子科技大学（西军电）并长期从事国防尖端科技研究的高级工程师为您精挑细选、量身订做各种高科技电子元器件，并解决各种技术问题。

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。

更多产品请看本公司产品专用销售网站：
商斯达微波光电产品网:HTTP://www.rfoe.net/
商斯达中国传感器科技信息网：http://www.sensor-ic.com/
商斯达工控安防网：http://www.pc-ps.net/
商斯达电子元器件网：http://www.sunstare.com/
商斯达消费电子产品网://www.icasic.com/
商斯达实业科技产品网://www.sunstars.cn/　　射频微波光电元器件销售热线：
　　地址：深圳市福田区福华路福庆街鸿图大厦 1602 室
　　电话：0755-83396822 83397033　83398585　82884100
　　传真：0755-83376182　（0）13823648918　MSN: SUNS8888@hotmail.com
　　邮编：518033　E-mail:szss20@163.com　　QQ: 195847376
　　深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529　 25059422
　　技术支持：0755-83394033 13501568376
欢迎索取免费详细资料、设计指南和光盘 ；产品凡多，未能尽录，欢迎来电查询。
　　北京分公司：北京海淀区知春路 132 号中发电子大厦 3097 号
　　　　TEL：010-81159046 82615020 13501189838 FAX：010-62543996
　　上海分公司：上海市北京东路 668 号上海赛格电子市场 D125 号
　　　　TEL：021-28311762 56703037 13701955389 FAX：021-56703037
　　西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)
　　　　　　西安劳动南路 88 号电子商城二楼 D23 号
　　　　TEL：029-81022619 13072977981 FAX:029-88789382