

# NEWS RELEASE



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## **FOR IMMEDIATE RELEASE**

### **Peregrine Launches RS422 Rad-hard Transmitter/Receiver duo**

**Latch-up immune PE926C31 and PE926C32 offer high speed, low power**

**San Diego, California, May 9, 2005** -- Peregrine Semiconductor Corporation, a supplier of the industry's most advanced RF CMOS and mixed-signal communications ICs, today announced the availability of the PE926C31 RS422 Rad-hard Transmitter and the PE926C32 RS422 Rad-hard Receiver devices for space applications. Developed on the Company's proprietary UltraCMOS™ silicon-on-sapphire technology, the chipset is the lowest power Rad-hard RS-422 Standard Interface offering on the market. Featuring excellent Single Event Upset (SEU) Immunity of  $<10^{-10}$  errors/bit-day; high-speed operation at  $<10\text{nS}$ ; low-power at  $<150\text{ mA}$  (unloaded), the devices enable a standard interface protocol at higher speed and lower power than its competitors.

"UltraCMOS™ technology continues to prove that superior products don't need a superior pricetag or an exotic process," stated Jim Cable, chief executive officer of Peregrine Semiconductor. "The most stringent quality assurance demands come from engineers designing for space. By designing, manufacturing and bringing to market Rad-hard versions of devices which meet a standard interface protocol, Peregrine demonstrates the most exceptional features of the UltraCMOS process to the benefit of our customers," he added.

The PE926C31/32 devices operate at 3.3V with a total dose tolerance guaranteed to 300KRads (Si), which makes them ideal for satellite applications. Evaluation Kits support development

**-- MORE --**

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**ADD ONE/PE926C31andPE926C32**

with the devices, which are packaged in the 16-lead Ceramic Flat Pack (CFP), and UltraCMOS technology tutorials are available from Peregrine on its website at [www.psemi.com](http://www.psemi.com). The chipset is in production now, and pricing is available per customer specifications by contacting Peregrine at [sales@psemi.com](mailto:sales@psemi.com).

## **About Peregrine Semiconductor and UltraCMOS™ Technology**

Peregrine Semiconductor Corporation designs, manufactures, and markets high-performance communications ICs for the wireless infrastructure and mobile wireless; broadband communications; space, defense and avionics markets. Manufactured on the Company's proprietary UltraCMOS™ process technology, Peregrine products are uniquely poised to meet the needs of a global RF design community in high-growth applications such as WCDMA and GSM digital cellular, broadband, DTV, DVR and rad-hard space and defense programs. UltraCMOS technology is the first commercially qualified use of Ultra-Thin-Silicon (UTSi®) on sapphire substrates with high yields and competitive costs. Peregrine 0.25µm and 0.5µm UltraCMOS devices are manufactured in its 6" CMOS facility located in Sydney, Australia and in Tokyo, Japan through an alliance with OKI Electric Industry Co., Ltd. The Company, headquartered in San Diego, California, maintains global sales support operations and a worldwide technical distribution network. Additional information is available on the web at [psemi.com](http://psemi.com).

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