

NEWS RELEASE



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**AEROFLEX COLORADO SPRINGS
EXPANDS SpaceWire PRODUCT FAMILY
WITH ADDITION OF SpaceWire 4-PORT ROUTER**

COLORADO SPRINGS, CO – Aeroflex Colorado Springs announces the development of a SpaceWire 4-Port Router, the UT200SpW4RTR, to satisfy SpaceWire networking and fault-tolerant networking requirements for the aerospace community.

SpaceWire offers real-time data communications between sensors, memory units, and processors. Using a network router, many network configurations are possible allowing trade-offs between performance, fault tolerance, and overall mass of the network. Components or nodes connect together using a point-to-point link. A router connects nodes together via non-blocking cross-point switches allowing for reliable high-speed communications between all nodes on the network.

“The UT200SpW4RTR allows customers the ability to implement various architectures, from single point-to-point nodes with redundancy to distributed networks,” said Anthony Jordan, Director-Standard Products. “It gives users the option to implement a node with either dual or triple redundancy or configure a scaleable fault-tolerance network of variable size. Also, a 16-port Router is on our roadmap for late 2009.”

The UT200SpW4RTR 4-port router has a system interface port for 5 total ports, data rates up to 200Mbps on all 4 SpaceWire ports and is compliant to Standard ECSS-E50-12A. Power supply core is 2.5V with 3.3V I/O with a host (FIFO) clock frequency of 50MHz. Radiation performance is targeted at 100 krad(Si); packaging is a 255-lead CLGA. QML Q and V qualification is planned.

Originally developed by the European Space Community (document ECSS-E-50-12A), SpaceWire is a standard governing serial communication between nodes. The protocol is self-managing and provides a high speed, low power serial interface while offering a simple, low overhead user interface. The standard supports data rates of 2Mbits/sec to 400Mbits/sec over 10 meters of cable.

“Aeroflex Colorado Springs saw the benefits of the SpaceWire standard used in numerous European projects; building a product family is our next step,” continued Jordan. “The benefits are straightforward. SpaceWire is a simple protocol, a simple user interface (FIFO) with high data rates and low power using LVDS, which has point-to-point full duplex and supports networked systems via routers. We are pleased to serve the community with our SpaceWire products – Physical Layer Transceiver, Protocol IP, Routers and 4-Links Test Equipment.”

The UT200SpWRTR s \$5725.00 in QML Q lots of 100. Prototypes are available 1Q09 with production units 2Q09. It will be assigned Standard Microcircuit Drawing (SMD) number.

Aeroflex Colorado Springs, is a supplier of semicustom and standard VLSI circuits and custom circuit card assemblies. Aeroflex, Colorado Springs has received Qualified Manufacturer List (QML) certification for Class Q, Class T and Class V. Additionally, we have received a letter of compliance for ISO 9001 from the Defense Supply Center Columbus.

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For a copy of the UT200SpWRTR Datasheet, call 1-800-645-8862, write Aeroflex, 4350 Centennial Blvd., Colorado Springs, CO 80907, or visit our home page at www.aeroflex.com/spacewire or www.aeroflex.com/avionics.

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