PRESSEMITTEILUNG

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AEROFLEX UTMC ADDS TO
RadHard LVDS OFFERINGS WITH
SERIALIZER AND DESERIALIZER PRODUCTS

COLORADO SPRINGS, CO – Aeroflex UTMC, (NASDAQ:ARXX), announces the development of a 3-volt, cold spare RadHard Low Voltage Differential Signaling (LVDS) serializer and deserializer for spaceborne applications. Representing leading-edge technology for higher bandwidth data communication, Aeroflex UTMC's LVDS products continue to address an increasing demand to move large amounts of data quickly between systems or components within a satellite.

The UT54LVDS217 serializer and UT54LVDS218 deserializer are available as a pair or as separate units. Compatible with TIA/EIA-644 LVDS standard, product features include up to 1.575 Gbps throughput, 15 to 75 MHz shift clock support (which is supported by an on-board PLL that requires no external components), low power consumption, and cold sparing I/O. Aeroflex UTMC's RadHard LVDS products operate from 3-volt power and are radiation hardened for use in various orbits. Single event latchup (SEL) LET threshold is greater than 100 MeV-cm^2/mg.

Aeroflex UTMC is a leader in the development and use of cold sparing I/O on all RadHard LVDS products. Cold spare systems have either a redundant device or a subsystem electrically connected without power supplied. The trick to cold sparing is that the spare must present a high-input impedance (i.e., in excess of 1M) to the system when power is removed. Cold spare I/O allows a designer to easily add redundant circuits without power consumption or signal integrity penalties due to the redundant circuits being powered down.

"We have been providing RadHard LVDS products to satellite and launch vehicle customers since early 2000," said Anthony Jordan, Director-Standard Products. "Customers came to us requesting a RadHard serializer and deserializer that was radiation hardened for various orbits and QML compliant. Since there were none in the RadHard marketplace, customers were using up to six pairs of LVDS drivers and receivers to accomplish the task. Now a single Aeroflex UTMC RadHard LVDS serializer and deserializer pair can be used, saving space, weight and cost. This is a cost-effective solution to solve interface problems commonly found in spaceborne systems when moving data from an imaging sensor to an image processor."

"Aeroflex UTMC has adapted the LVDS standard, commonly used in the commercial world for flat-panel displays, for use in space by redesigning and processing the device for total dose tolerance and SEL immunity," continued Jordan. "We are the only vendor offering RadHard LVDS products with a wide range of radiation levels. Our LVDS products are important to the industry as they are allowing customers to move data quickly with low power consumption and high noise immunity. Since 2000 we have introduced eight new RadHard LVDS products and, forthcoming in late 2001, are a LVDS quad crosspoint switch and an octal bus LVDS repeater, all operating on a single 3-volt supply with cold spare I/O buffers."

We now offer U.S. Commerce controlled LVDS products (including the serializer and deserializer) to selected foreign countries. This means that for a 300krad(Si) product an

export license will not be required in most instances, saving the customer 8-12 weeks for a U.S. State Department export license.

The QML compliant parts are offered in a 48-lead flatpack. Aeroflex UTMC's RadHard LVDS serializer and deserializer will be available to a Standard Microcircuit Drawing procurement and QML Q and V compliant. Prototypes are available now with production delivery to start in December, 2001.

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

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