

PRESSEMITTEILUNG

AEROFLEX'S RadHard 4M SRAM COMPLETES QML-V PRODUCTION QUALIFICATION

COLORADO SPRINGS, CO, August 18, 2003 – Aeroflex, Colorado Springs, (NASDAQ:ARXX), announced today commencement of QML V production deliveries for our two high density, RadHard 4M SRAMs – a 128Kx32 and a 512Kx8. With 15ns access time and 1.8-volt core voltage, these 4M RadHard SRAMs offer low power consumption, fast access time, and SMD guaranteed radiation performance. Both products have Standard Microcircuit Drawings (SMDs) in place. The UT8R128K32 and UT8R512K8 are RadHard by Design and are the first Aeroflex standard products manufactured on a 0.18mm CMOS process.

The UT8R128K32 and UT8R512K8 are available with TID immunity up to 300Krad(Si) and are SEL immune to 107MeV @ 125oC with a LETth (0.25) of 53.0 MeV-cm²/mg. The 15ns access time of the Aeroflex 4M SRAM allows for zero wait state interface to today's leading edge 32-bit microprocessors, greatly simplifying design complexity. Organized as 128Kx32 and packaged in a 68-pin CQFP, the UT8R128K32 is ideal for instruction storage. Packaged in a space saving 36-pin CQFP, the UT8R512K8 is ideal for microcontroller data and instruction memory, as well as small instrument and telemetry acquisition systems. Both are QML Q and V certified.

“Satellite systems need to survive in a very hostile environment,” said Anthony Jordan, director-standard products. “Aeroflex has been producing high reliability memories for aerospace and defense applications for over 20 years. Our RadHard by Design technology is specifically designed for satellite and satellite launch vehicle applications and the associated exposure to radiation. As a fab-independent supplier, we can design and develop leading-edge products built in state-of-the-art wafer manufacturing facilities. Utilization of the 0.18mm CMOS technology provided a path to a fast, low power solution ideal for space.”

“We solve problems,” continued Jordan. “There are 4M SRAMs in the market today that are radiation-hardened, but their speed and power combination does not meet the customer's requirements. The UT8R128K32 and UT8R512K8 offer the speed, power, reliability and environmental requirements and radiation levels that customers need today. And they are SMD-backed. Design engineers requiring RadHard memories for the ground-based systems, aircraft and satellite avionics, satellite payloads, and satellite launch vehicles will benefit from these high speed, low power memories.”

“Another advantage to our customers is our memory packaging roadmap,” said Jordan. “We have taken our customer's needs for various memory sizes (density and organization) and provided them a variety of package options, such as flatpack, DIPs, Multi-chip Modules (MCM), patented shielded technology and high-density chip stacking technology. The UT8R128K32 and UT8R512K8 are currently offered in flatpacks; we plan to offer MCM options, either vertical or planar, incorporating these RadHard memories in late 2003. Stacking these high-density memories saves the design engineer board space and cost. Again, Aeroflex has gone to great lengths to provide solutions and work side-by-side with customers to solve their packaging problems.”

The UT8R128K32 is offered in a 68-lead flatpack, Q and V qualified and available to Standard Microcircuit Drawing 5962-03236. Products are available now.

The UT8R512K8 is offered in a 36-lead flatpack, Q and V qualified and available to Standard Microcircuit Drawing 5962-03235. Products are available now.

PROTEC GMBH - Vertrieb elektronischer Bauelemente
Laurinweg 1, 85521 Ottobrunn
Tel. (0 89) 6602923
Fax. (0 89) 6098170
Email: protec.semi@t-online.de
Web: www.protec-semi.de