

**Aeroflex/UTMC - RadHard FPGA - ist QML-V qualifiziert**

UT6325 - RadHard FPGA ist in Produktion

Sehr geehrte Damen und Herren,

Aeroflex bietet nun eine Alternative zu den auf dem Markt befindlichen RadHard FPGAs. Das UT6325 kann jetzt als qualifiziertes QML-V Bauteil mit garantierten Radiation Daten geliefert werden.

Siehe auch die Aeroflex Pressemitteilung am Ende dieser email.

Bitte direkt auf den Link klicken.

1) - Data Sheet:

<http://ams.aeroflex.com/ProductFiles/DataSheets/FPGA/RadHardEclipseFPGA.pdf>

2) - Overview:

<http://ams.aeroflex.com/ProductFiles/Presentations/RadHardFPGAExOverview.pdf>

3) - Brochure:

<http://ams.aeroflex.com/ProductFiles/DataSheets/FPGA/RadHardEclipseFPGABrochure704.pdf>

4) - Rapid Prototyping:

See attached .pdf file [ RapidPrototyping.pdf ]

5) - Programming:

See attached .pdf file [ FPGA\_5\_sys\_gen\_prog\_10\_3.pdf ]

6) - Radiation:

See attached .pdf file [ FPGA\_3\_radiation\_effects\_10\_3\_05.pdf ]

7) - Reliability:

See attached .pdf file [ FPGA\_4\_reliability\_10\_3.pdf ]

8) - Qualification report:

See attached .pdf file [ 255uGQualReport\_100505\_2\_fpga.pdf ]

Gerne geben wir Ihnen weitere Auskünfte zu Preisen, Lieferzeiten oder zu technischen Fragen. Rufen Sie uns einfach an oder schreiben Sie uns.

*Colorado Springs, Colorado - Aeroflex Colorado Springs, an Aeroflex Incorporated company, (NASDAQ:ARXX), announced their RadHard Eclipse FPGA family for aerospace and defense applications has achieved radiation-assured, QML production qualification.*

*The RadHard Eclipse FPGA family is radiation hardened to 300Krad(Si) and is single event latch-up immune to greater than 100MeV-cm2/mg.*

*"Our customers told us they wanted an alternative to what was available in RadHard FPGA solutions", said Anthony Jordan, director-standard products. "The RadHard Eclipse value proposition is proven commercial architecture, guaranteed radiation performance and reliability, low power and an efficient high performance FPGA fabric coupled with embedded RadHard SRAM."*

"The RadHard Eclipse FPGA qualification methods changed as customers requested more testing of one-time programmed FPGAs and new requirements emerged. Aeroflex embraced these new requirements and spent the extra time to meet the requirements before qualifying the RadHard Eclipse FPGA."

"Aeroflex Colorado Springs is very pleased to offer our customer's radiation-assured, QML qualified Eclipse FPGA products," said Jordan.

To recap, Aeroflex's RadHard Eclipse FPGA family has access to QuickLogic's Eclipse IP and ViaLink™ process technologies. Aeroflex has successfully radiation-hardened a **proven commercial architecture** creating a **low power, high-performance FPGA with embedded RadHard SRAM**. Our relationship with QuickLogic gives engineers a choice when designing satellite systems that demand **high speed, low power, radiationhardening and guaranteed reliability**. Design engineers wanted a high performance FPGA fabric with embedded RadHard SRAM; we met this request with the RadHard Eclipse FPGA. Our **variable grain FPGA fabric** contains 3072 RadHard flip-flops, registered I/O, and highly synthesizable logic cells ideal for implementing today's high speed digital logic circuits. The RadHard Eclipse exclusively offers highperformance on-chip RadHard SRAM organized in 24 user-configurable 2,304 bit blocks, eliminating the need for EDAC.

Additionally, under the license agreement Aeroflex customers have access to QuickLogic's robust suite of circuit development and programming tools. QuickLogic offers a comprehensive set of software and hardware tools, and are continually enhancing these tools for the customer's benefit.

Aeroflex's RadHard FPGAs are fabricated on 0.25µm five-layer metal ViaLink epitaxial CMOS process. While the part is manufactured on a commercial line, Aeroflex uses proprietary design techniques to increase the products reliability and alleviate single-event effects that typically prevent commercial parts from functioning in a radiation environment.

