

## NEWS RELEASE



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### **AEROFLEX COLORADO SPRINGS ANNOUNCES PRODUCTION OF THEIR RadClock™, A MONOLITHIC, PLL-BASED, HIGH-SPEED, MULTI-PHASE, CLOCK BUFFER**

COLORADO SPRINGS, CO – Aeroflex Colorado Springs, an Aeroflex Incorporated company, (NASDAQ:ARXX), announced today QML Q and V production of their RadClock™ PLL-based clock buffer designed for satellite applications. Prototypes and production units are available. Featuring eight, bank-skewable outputs, the UT7R995 RadHard clock buffer is the first space qualified solution that solves the clock tree design problem with a single chip.

Aeroflex's UT7R995 is a low-voltage, quad-bank, eight-output, 6MHz to 200MHz clock buffer featuring output phase programmability for optimal timing control of high-performance microprocessor and communication systems. RadClock products withstand total ionizing dose irradiation from 100Krad(Si) to 1Mrad(Si). The RadClock operates from a 3.3V core power supply while supporting independent 2.5V or 3.3V power supplies for each output bank. The UT7R995 is available through a Standard Microcircuit Drawing (SMD) with QML Q and V qualification and are offered in a 48-lead ceramic flatpack.

The UT7R995 RadClock is immune to single event upsets (SEU) and single event latchup (SEL) resulting from heavy ion strikes with energies in excess of 109MeV-cm<sup>2</sup>/mg. Considerable time was spent to assure mitigation of single event transient (SET) effects in any part of the RadClock. Immunity to SET was achieved with particle energies of 74MeV-cm<sup>2</sup>/mg @ 50MHz.

“The adjustable phase feature ensures clock network timing integrity, improving system design quality and robustness while simplifying the design and layout of high performance systems,” said Tim Meade,

RadClock Applications Engineer. “In addition to the bank-specific skew adjustment feature, the RadClock provides frequency multiplication and division options for each output clock bank. By offering output frequencies ranging from 6MHz to 200MHz with less than 100ps of cycle-to-cycle jitter, the RadClock supports a wide range of applications. Featuring a combination of speed, flexibility, radiation-hardness, skew programmability, and zero delay buffering, the UT7R995 offers an ideal, single-chip solution to the clock networking problem.”

“The satellite market has been lagging in devices to support advanced clock networks” said Anthony Jordan, Director-Standard Products. “There is a high demand for clock network implementation and designers came to us seeking a solution. In addition to their utilization throughout high-performance satellite payloads, clock networks are used extensively in communications, data handling, and attitude orbit control (AOC) subsystems. Due to the limited selection of space qualified clock and frequency control solutions available to the satellite systems designer, clock networks were historically implemented with discrete devices coupled with special system design and layout methodologies. Aeroflex Colorado Springs simplifies the overall clock network design with the RadClock family of radiation hardened clock buffering products by providing solutions that reduce power consumption, save space, increase timing margins, reduce design cycles, and lower the overall cost of satellite subsystems.”

“Aeroflex Colorado Springs continues to provide the satellite community with the digital logic solutions they need,” continued Jordan. “Future RadClock solutions include faster products with additional I/O compatibility options like LVDS, and more flexible devices offering a wider range of multiplication and division settings.”

The UT7R995 RadHard Clock Generator is \$995.00 each for QML Q, 100 quantity.

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

For a copy of the RadClock™ Marketing Kit, call 1-800-645-8862, write Aeroflex Colorado Springs, 4350 Centennial Blvd., Colorado Springs, CO 80907, or visit our home page at [www.aeroflex.com/RadClock](http://www.aeroflex.com/RadClock).

## **About Aeroflex**

Aeroflex Incorporated is a global provider of high technology solutions to the aerospace, defense and broadband communication markets. The Company's diverse technologies allow it to design, develop, manufacture and market a broad range of test, measurement and microelectronic products. The Company's common stock trades on the Nasdaq National Market System under the symbol ARXX and is included in the S&P SmallCap 600 index. Additional information concerning Aeroflex Incorporated can be found on the Company's Web site: [www.aeroflex.com](http://www.aeroflex.com).

*All statements other than statements of historical fact included in this press release regarding Aeroflex's financial position, business strategy and plans and objectives of its management for future operations are forward-looking statements. When used in this press release, words such as "anticipate," "believe," "estimate," "expect," "intend" and similar expressions, as they relate to Aeroflex or its management, identify forward-looking statements. Such forward-looking statements are based on the current beliefs of Aeroflex's management, as well as assumptions made by and information currently available to its management. Actual results could differ materially from those contemplated by the forward-looking statements as a result of certain factors, including but not limited to, competitive factors and pricing pressures, changes in legal and regulatory requirements, technological change or difficulties, product development risks, commercialization difficulties and general economic conditions. Such statements reflect our current views with respect to the future and are subject to these and other risks, uncertainties and assumptions relating to Aeroflex's financial condition, results of operations, growth strategy and liquidity. We undertake no obligation to update such forward-looking statements which are made as of the date of this press release.*

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