

News Release

7 December 2015

COBHAM ANNOUNCES THE ONLY RadTolerant CONTROLLER AREA NETWORK (CAN) FLEXIBLE DATARATE (FD) TRANSCEIVER ON THE MARKET

COLORADO SPRINGS, COLORADO – Cobham Semiconductor Solutions (formerly Aeroflex) announces their UT64CAN333x series of Controller Area Network (CAN) transceivers currently the only RadTolerant CAN Flexible Datarate (FD) Transceivers on the market. The series provides the physical layer that permits operation on a differential CAN bus and are ideal for sensor monitoring, system telemetry and command and control applications. Prototypes are available now.

“This series of CAN transceivers were developed in accordance with both ISO 11898-2 and 11898-5 standards, the latter in support of CAN FD,” said Elaine Gonsalves, Product Marketing Manager. “The UT64CAN333x series are capable of baud rates between 10 kbps to 8 Mbps (fastest in the market) and include a slope-control mode to control the slew rate of the transmissions for baud rates of up to 500kbps. A standby mode disables the transmitter circuit to conserve power while monitoring the bus for activity. The UT64CAN333x series of transceivers can support up to 120 nodes.”

The three transceiver options are:

The UT64CAN3330 provides a low power sleep mode of operation.

The UT64CAN3331 supports a bus isolated diagnostic loopback.

The UT64CAN3332 offers the ability to monitor bus traffic enabling the local controller to change its baud rate to match the operations of the bus.

The RadTolerant CAN Transceivers are the only on the market supporting CAN FD (up to 8 Mbps) and have superior radiation performance of 100 krad(Si) total dose with latch up of $LET \leq 100 \text{ Mev-cm}^2/\text{mg}$. The UT64CAN333x series is packaged in an 8-lead ceramic flatpack. Prototypes are available now and production parts will be offered with SMD



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number 5962-15232. QML-Q/Q+ production are expected by year end and QML-V production is expected in mid-2016.

“Cobham’s RadTolerant CAN FD Transceivers allow for the implementation of robust low-level networks within spacecraft saving weight and power,” continued Gonsalves. “Cobham designed the UTCAN333X series to meet industry’s demand. We are now working with designers on future flight applications using prototypes and look forward to successful missions.”

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For copies of the CAN FD Transceiver series datasheets, call 1-800-645-8862, email info-AMS@aeroflex.com or visit www.Cobham.com/HiRel.

About Cobham Semiconductor Solutions

Enhancing the performance of your products with semiconductor solutions you can depend on.

We are a global supplier of Standard HiRel ICs including memory, μ processor, interconnect and power and ASICs for space, commercial, medical and industrial markets, along with Electronic Manufacturing Services (Circuit Card Assembly, Radiation Testing, Component Upscreening and Packaging).

Our customers benefit from our complete design, manufacture and support capabilities, as well as the comprehensive inventory they depend on to enhance the quality and integrity of their products.

About Cobham

The most important thing we build is trust. We protect lives and livelihoods with our differentiated technology and know-how, operating with a deep insight into customer needs and agility. Our innovative range of technologies and services solve challenging problems in harsh environments across commercial, defense and security markets, from deep space to the depths of the ocean, specializing in meeting the growing demand for data, connectivity and bandwidth.

We employ more than 12,000 people on five continents, and have customers and partners in over 100 countries, with market leading positions in: wireless, audio, video and data communications, including satellite communications; defense electronics; air-to-air refueling; aviation services; life support and mission equipment.



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