

News Release

9 September 2016

Cobham Electronics Launch Aboard NASA OSIRIS-REx Spacecraft

COLORADO SPRINGS, COLO. – Cobham’s radiation hardened (RadHard) microelectronics were launched aboard NASA’s Origins, Spectral Interpretation, Resource Identification, Security-Regolith Explorer (OSIRIS-REx) spacecraft on September 8, 2016. An array of products enable the mission on the OSIRIS-REx Visible and Infrared Spectrometer (OVIRS) instrument, including: Low-Voltage Differential Signaling (LVDS) products, Medium Scale Integration (MSI) logics, 1553 transceivers, voltage regulators, clock management products, memory products such as Static Random Access Memories (SRAM), Programmable Read-Only Memories (PROM), and Magnetoresistive Random Access Memories (MRAM), as well as a custom Application Specific Integrated Circuits (ASIC). The microelectronics were produced by the Cobham Semiconductor Solutions business unit, part of the Cobham Advanced Electronic Solutions family.

“Cobham congratulates NASA and our direct customer, the Southwest Research Institute (SwRI), for a successful launch,” said Jeff Hassannia, Senior Vice President of Business Development and Technology for Cobham Advanced Electronic Solutions. “We are proud to once again support space exploration through our RadHard electronics aboard OSIRIS-REx’s OVIRS instrument. Our electronics deliver low power consumption, high data rates, Single Event Upset (SEU) and Single Event Latchup (SEL) immunity, and innovative packaging techniques. Notably, Cobham’s MRAM are the only products on the market that provide magnetic immunity up to 100 Gauss.”

The OSIRIS-REx spacecraft will travel to Bennu, a near-earth asteroid whose regolith may record the earliest history of our solar system. OSIRIS-REx will determine Bennu’s physical and chemical properties which are important clues for investigations into the origins of the universe and improving understanding of asteroids that could impact Earth. The OVIRS instrument aboard OSIRIS-REx measures visible and near infrared light reflected from Bennu, which can be used to identify water and organic materials.



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Please visit www.cobham.com/HiRel for information about Cobham's RadHard products.

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Cobham Semiconductor Solutions

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

About Cobham

The most important thing we build is trust.

Cobham is a leading global technology and services innovator, respected for providing solutions to the most challenging problems, from deep space to the depths of the ocean.

We employ more than 11,500 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; defence electronics; air-to-air refuelling; aviation services; life support and mission equipment.

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