

11/02/2004

**Holt Integrated Circuits to Supply MIL-STD-1553 CMOS Dual Transceiver for JDAM Mission Computer Production****HOLT INTEGRATED CIRCUITS TO SUPPLY MIL-STD-1553  
CMOS DUAL TRANSCEIVER FOR JDAM MISSION  
COMPUTER PRODUCTION**

*The integration of the HI-1567PSI MIL-STD-1553 Dual 5V Databus Transceiver on the JDAM Mission Computer provides low power consumption, smaller size, higher reliability and lower life-cycle cost for future production than previously available products.*

**Mission Viejo, CA (November 2, 2004)** – Holt Integrated Circuits today announced that they will provide MIL-STD-1553 Monolithic CMOS 5 Volt Dual Transceivers to Lockheed Martin for integration on the Joint Direct Attack Munition (JDAM) Mission Computer board. Lockheed Martin is the Mission Computer Subcontractor to The Boeing Company in St. Louis, MO, Prime Contractor for the JDAM Program.

JDAM is a joint Air Force and Navy program with the Air Force as the lead service. The JDAM Program incorporates new weapons technology that uses satellite-based guidance aids and powerful onboard processors to improve the accuracy of conventional munitions. A tailfin kit converts existing unguided bombs into near-precision-guided smart munitions through the use of the Inertial Measurement Unit (IMU) aided by the Global Positioning System (GPS) and Inertial Navigation Systems (INS). Holt executives say they expect to provide more than 36,000 transceiver products annually to the Boeing-led team. The DoD production program is expected to continue well into the 21st century.

The HI-1567PSI Dual 5V Databus Transceiver is a robust single chip CMOS integrated circuit that will operate reliably in a wide variety of applications and environmental conditions. The HI-1567 (and its 3.3V counter part HI-1573) are being designed into a number of military avionics and stores platforms due to their potential to greatly improve board-space utilization, system reliability, and life-cycle cost.

The single-chip CMOS HI-1567PSI is housed in an ESOIC plastic SMT package that has an internal heat sink. The device's low current consumption combined with the properties of the ESOIC package effectively eliminate the thermal management problems where designers were previously forced to take extraordinary measures to remove heat from printed circuit boards on which

these components have been mounted. The 3.3V HI-1573PSI offers the same pin-out arrangement and footprint of the HI-1567PSI, allowing board designers to easily upgrade to 3.3V with a simple power supply change.

The HI-1567PSI complements Holt's other products for MIL-STD-1553 applications, including 5V and 3.3V transceivers, Manchester encoder/decoder and interface transformers. The company will expand the product family further during 2004 with the introduction of the world's first single chip CMOS MIL-STD-1553 Terminal IC.

Readers interested in learning more about the HI-1567 or any of Holt's MIL-STD-1553 products should contact Holt at (949) 859-8800, by e-mail at [info@holtic.com](mailto:info@holtic.com), or by visiting the Holt web site at [www.holtic.com](http://www.holtic.com).

#### **About Holt Integrated Circuits**

Located in Mission Viejo, CA, Holt Integrated Circuits is a major supplier of ICs for avionics and military data bus and display applications. The company's products are specified by more than 250 manufacturers and are employed in flight control, navigation, engine management, communications, stores management, safety equipment, and in-flight entertainment systems worldwide.

Holt's transceivers for MIL-STD-1553 applications are recognized as the industry's smallest and have the lowest power consumption. In addition, Holt also offers MIL-STD-1553 Manchester encoder/decoders and interface transformers. Holt's range of ICs supporting the ARINC 429 standard is the widest in the industry, and its display drivers offer high-voltage operation as well as innovative design features to enhance ease of use and testability. Holt Integrated Circuits is a certified ISO9001-2000 supplier, and many of its products are also available to DSCC SMD specifications.

#### **About Lockheed Martin**

Headquartered in Bethesda, Md., Lockheed Martin employs about 130,000 people worldwide and is principally engaged in the research, design, development, manufacture and integration of advanced technology systems, products and services. The corporation reported 2003 sales of \$31.8 billion.

#### **About The Boeing Company, Integrated Defense Systems**

A unit of The Boeing Company, Boeing Integrated Defense Systems is one of the world's largest space and defense businesses. Headquartered in St. Louis, Boeing Integrated Defense Systems is a \$27 billion business. It provides systems solutions to its global military, government and commercial customers. It is a leading provider of intelligence, surveillance and reconnaissance; the world's largest military aircraft manufacturer; the world's largest satellite manufacturer and a leading provider of space-based communications; the primary systems integrator for U.S. missile defense; NASA's largest contractor; and a global leader in launch services.