

## **Curtiss-Wright Delivers First VPX-based COTS DSP Engines to Wide Range of MIL Applications**

LEESBURG, VA – December 13, 2006 – Curtiss-Wright Controls Embedded Computing, a leading designer and manufacturer of commercial off-the-shelf (COTS) VME, VPX and CompactPCI products, has announced that its groundbreaking new CHAMP-AV6 VPX/VPX-REDI digital signal processor (DSP) card is shipping to defense and aerospace customers for use in a variety of high-end applications including a ground-based defensive aid sensor system, next generation ground and air-borne radars, and signal intelligence platforms. Curtiss-Wright is delivering both boards and integrated VPX development systems to these customers. The CHAMP-AV6 is the first DSP engine available in the new VPX (VITA 46) and VPX-REDI (VITA 48) high performance, rugged form factors.

“Curtiss-Wright is proud to be at the forefront with this next generation COTS technology. With the collaboration and backing of the industry’s leading suppliers and system integrators, we are excited to see the VPX concept take form with products and customers,” said Tom Quinly, President, Curtiss-Wright Controls Embedded Computing. “The VPX standard was created to address demanding high performance applications with open standard COTS solutions, and we are pleased to see our customers so enthusiastically embracing the new standard.”

### **The CHAMP-AV6**

Curtiss-Wright’s CHAMP-AV6 is the company’s most advanced, highest performance COTS technology. The CHAMP-AV6 is the industry’s first DSP engine built in compliance with the new VPX and VPX-REDI bus standards. The VPX standards provide the next generation of performance and rugged packaging for 6U form factor embedded computing with unprecedented backplane I/O connectivity and greatly improved thermal management.

“Curtiss-Wright has taken the lead in bringing VPX to the defense and aerospace market and we’re very excited that the first boards are now in hands of customers,” said Lynn Patterson, Vice President and General Manager of Modular Solutions, Curtiss-Wright. “VPX-based DSP boards such as the CHAMP-AV6 deliver high-speed serial switched fabric processing at 10 times the bandwidth that was possible with VME64x designs. The feedback we’re getting from customers on performance and their ‘out-of-the-box’ experience meets their highest expectations.”

Based on the PowerPC 8641, Freescale's latest Altivec-enabled processor, the CHAMP-AV6 natively supports the Serial RapidIO (SRIO) serial switched fabric architecture to deliver a significant increase in interprocessor communication bandwidth, unobtainable with legacy VME64x-based cards. For example, the new high-speed connector used in VPX/VPX-REDI designs enables the CHAMP-AV6 to communicate at up to 10GB/s with other cards such as Curtiss-Wright's VPX6-185 single board computer, and custom sensor I/O cards that are common in signal processing systems.

### **CHAMP-AV6 and COTS Continuum**

The CHAMP-AV6 is the first of a new generation of products designed to Curtiss-Wright's innovative COTS Continuum initiative which defines a rich set of common hardware features and methodologies to improve interoperability and optimize the customer's integration experience. COTS Continuum includes the Continuum Software Architecture which unifies firmware and board support package interfaces across all products. Customers designing subsystems with COTS Continuum products will benefit from greater code reuse and a significantly reduced learning curve, enabling them to get to market faster, with higher reliability solutions.

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### **About Curtiss-Wright Controls Embedded Computing**

Curtiss-Wright Controls Embedded Computing is the industry's most comprehensive and experienced single source for embedded solutions, ranging from Processing, Subsystems, Data Communication, DSP, and Video & Graphics to the most advanced board level components and fully integrated custom systems. The Embedded Computing group serves the defense, aerospace, commercial and industrial markets and is part of Curtiss-Wright Controls, Inc. For more information about Curtiss-Wright visit [www.cwcembedded.com](http://www.cwcembedded.com).

**About Curtiss-Wright Controls, Inc.**

Headquartered in Charlotte, North Carolina, Curtiss-Wright Controls is the motion control segment of Curtiss-Wright Corporation (NYSE: CW). With manufacturing facilities around the world, Curtiss-Wright Controls is a leading technology-based organization providing niche motion control products, subsystems and services internationally for the aerospace and defense markets. For more information, visit [www.cwcontrols.com](http://www.cwcontrols.com).

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