CAST Shipping New CAN Bus Controller IP Core

Woodcliff Lake, NJ, January 16, 2012 — A new core from semiconductor intellectual property (IP) provider CAST, Inc. adds new capabilities to the company's long-time support for the Controller Area Network (CAN) Bus Protocol.

Sourced from partner Fraunhofer IPMS and available now, the CAN-CTRL CAN Bus Controller IP Core conforms to the latest, 2.0B CAN Bus Protocol and ISO 11898-1 Data Link Layer specifications. Customers have fully tested products using the core against the ISO 16845 Road Vehicles CAN Conformance Test Plan to verify its correct and complete functionality.

"CAN has been a steady seller for us for many years, with a recent surge of growth for more demanding automotive control and communication systems," said Nikos Zervas, vice president of marketing for CAST. "This new CAN controller core offers the features and performance designers are now requesting, coupled with the easy integration and tremendous support customers get with all CAST IP products."

The ASIC or FPGA CAST CAN core implements a hardware controller for the CAN data link layer, handling data framing, transmission, reception and synchronization, and error reporting. The new core adds a configurable number of acceptance filters, a Single-Shot Transmission Mode for lower software overhead and faster buffer reloading, and several features similar to the PeliCAN mode of the popular Philips SJA1000 discrete chip. The latter include several important error diagnosis and system maintenance functions, including a programmable error warning limit and a listen-only mode for better data traffic analysis.

Learn more by calling +1 201.391.8300 or visiting www.cast-inc.com.

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