For immediate release

austriamicrosystems

TTChip

AS8202NF TTP Controller Released for Commercial Production

3rd Generation TTP Controller Now Fully Qualified

Vienna and Unterpremstätten, Austria – September 16, 2003

austriamicrosystems AG today announced the release of the AS8202NF Time-Triggered Protocol (TTP®) controller. The AS8202NF provides support for fault-tolerant, high-speed bus systems in a single device. The communication controller is available as an automotive-qualified device and is certifiable according to RTCA standards. The AS8202NF, designed by TTChip, a subsidiary of TTTech Computertechnik AG, is produced in a state-of-the-art mixed signal fab at austriamicrosystems AG.

The AS8202NF offers superior reliability and is qualified for the full temperature range required for automotive applications. Data transfer rates of 25 Mbit/s with MII and up to 5 Mbit/s with MFM/Manchester are supported. The AS8202NF is the first TTP controller to support both MFM and Manchester coding. Manchester coding is important for DC-free data transmission, which allows the use of transformers in the data stream.

"Since we released our first TTP product in 1998, the TTP controller family has greatly increased our market strength in the field of automotive and aerospace applications," stated Franz Faschinger, general manager of the automotive and industrial business unit at austriamicrosystems. "Honeywell uses our TTP products in integrated aircraft cockpits and engine control systems, and Nord-Micro will use them in the cabin pressure control system of the new Airbus A380 mega-airliner," concluded Faschinger.

"We are very excited to cooperate with austriamicrosystems. Their experience in the design of automotive devices and their state-of-the-art production facilities strongly support our ambitious development goals," says Leonard Gagea, TTChip's CTO. "austriamicrosystems' broad involvement with TTP enables us to provide a variety of solutions for time-triggered applications."

AS8202NF is pin-compatible with its predecessor, the AS8202. It was implemented using a 0.35 µm CMOS process. On-chip memories are a 20K x 16 static RAM, as well as a 16K x 16 ROM. It offers unique flexibility due to its built-in communication engine with RISC core and firmware. Instructions can be executed out of RAM.

TTP is a mature, low-cost network solution for high-speed fault-tolerant communication in advanced control applications. TTP is based on the time-triggered architecture, event-triggered communication can be realized on top of TTP.

TTP is used in a number of safety-critical applications in automotive prototypes, such as by-wire systems, driver assistance systems and global chassis control. Alcatel has been using TTP commercially since 2002 in its railway signaling system. In 2004 this innovative technology will be in commercial production in jet engine control systems and later on in the cabin pressure control system of the new Airbus A380 mega-airliner.

About austriamicrosystems AG

With headquarters near Graz, Austria, austriamicrosystems AG is one of the world's leading designers and manufacturers of highly integrated mixed signal ICs. austriamicrosystems combines more than 20 years of design capabilities, product and marketing know-how with a full service silicon foundry specializing in mixed signal, RF and HV technologies. Operating worldwide with more than 800 employees, austriamicrosystems is organized in four strategic business units: Automotive, Communications, Industrial & Medical, and Full Service Foundry.

Additional information is available on Internet pages: www.austriamicrosystems.com

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About TTChip Entwicklungsgesellschaft mbH

TTChip Entwicklungsgesellschaft mbH, a subsidiary of TTTech, is a developer of intellectual property for devices used in systems based on Time-Triggered Architecture. TTChip develops chip models and offers support for TTP controller implementations, including stand-alone devices and system-on-chip solutions.

For further details about TTChip's products and services please refer to www.ttchip.com.

About TTTech Computertechnik AG

TTTech Computertechnik AG is the leading supplier of technology and software products in the field of time-triggered systems and TTP® (Time-Triggered Protocol). TTTech products enable developers of aerospace, automotive, and industrial control equipment to deliver reliable embedded systems quickly and efficiently. TTTech's products comprise a complete software development environment for TTP-based systems, including hardware as well as TTP chip models. In addition, TTTech provides a broad range of services, from training courses on TTP to worldwide product and project support. TTTech especially emphasizes by-wire and integrated vehicle control systems.

Further information on TTTech is available at www.tttech.com.

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