TRINAMIC Targets Servo Motor Ease-of-Design with New motionCookie™ Product Line

New Product Family Integrates MCU, Proven Firmware & Driver in Miniaturized Package for Industrial Automation, Robotics & other Motion Control Applications

Hamburg, Germany (Feb-10-2016)—TRINAMIC, a leading global provider of motion control technologies, today announced the first product in the company's motionCookie product line. The TMCC160 combines a motor Gate Driver, Microcontroller (MCU) plus a proven firmware stack in a compact 12 x 17 mm2 package that will enable rapid design of servo motor systems. The highly integrated module only requires an external power bridge to implement a complete servo motor control system.

The TMCC160 motionCookie is the world's first Servo Motor Module with integrated MCU and firmware, eliminating the need for lengthy control and communication software development and testing. The device implements proven Field Oriented Control algorithms that are compatible with both PMSM and Block Hall Commutation / BLDC motors.

The module supports a wide range of interfaces to enable communication with a host processor: RS232, RS485, CAN, SPI and analog inputs. The host controls all motion parameters—including current, velocity and position—and global functions by simply reading and writing registers on the TMCC160. With a voltage range of 5V to 28V, the TMCC160 can support motors up to 1KW.

"TRINAMIC is well-known for our stepper motors, but many industrial applications require more powerful motors with precise motion control," explained TRINAMIC Marketing Director Jonas P. Proeger. "TRINAMIC's new motionCookie product line is designed to address this market. With a highly integrated product that removes the most challenge barriers that delay market entry for new servo motor systems."

Like all TRINAMIC products, the TMCC160 benefits from the company's comprehensive development eco-system, which includes evaluation boards and reference designs. All configuration and parameterization tools are incorporated into TRINAMICs Integrated Development Environment. No special programming skills are required.

The device comes in a 12 x 17 mm^2 51-pin LGA package. Modules and evaluation boards are ready for shipment, and can be easily ordered through distributors in Europe, North America and Asia.

TRINAMIC Motion Control GmbH & Co. KG

Hamburg, Germany

www.trinamic.com

About TRINAMIC

Based in Hamburg, Germany, privately-held TRINAMIC Motion Control GmbH & Co. KG is a recognized global leader in motor and motion control technologies. Leveraging its extensive portfolio of internally developed IP, TRINAMIC motor control products emphasize efficiency, quality and ease-of-use.

The company sells ICs, modules and integrated mechatronics to market leading manufacturers worldwide. The company's products have been integrated into a wide range of applications in biotechnology, lab automation, materials handling, CCTV and factory automation. More information about TRINAMIC can be obtained on the company website: http://www.trinamic.com.

Images in print quality can be obtained at: http://www.trinamic.com/company/press/

Company Contact:
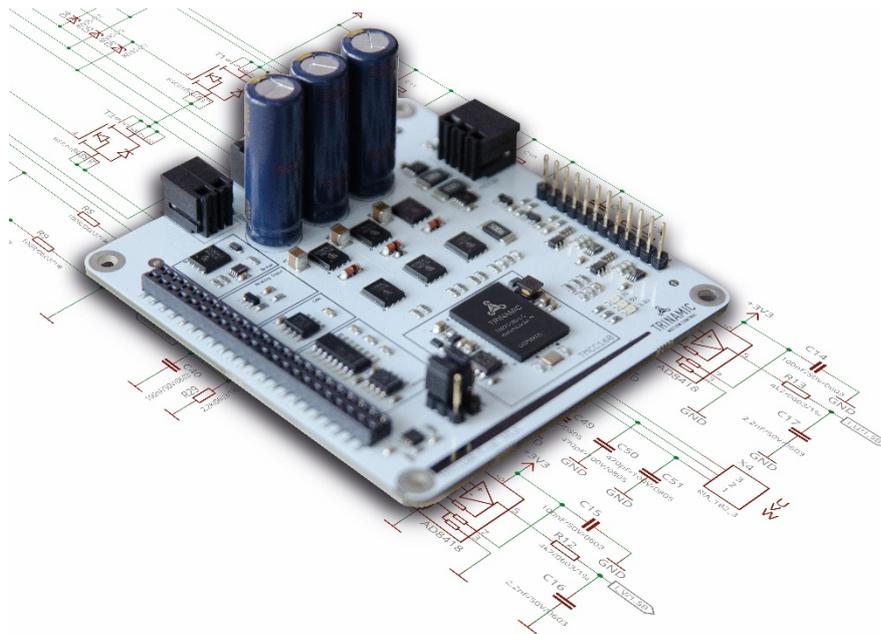
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Images

Image 1: An easy to use evaluation board and reference design allows for quick design in. All Sources are available for Download

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