Texas Instruments and Ariston optimized washing machines

eupec displayed its advanced IGBT prodTI’s TMS320C24x digital signal controllers leverage Field Oriented Control in three-phase asynchronous motor for low-cost, algorithm-based speed control. Ariston, one of the leading brands of Motoro Elettrodomestici (MERL.MI), and

Texas Instruments Incorporated (TI) (NYSE:TXN) today announced that TI’s - based TMS320C24x controllers reduce noise levels and improve washing efficiency. Using TI’s low-power controllers, leading white goods manufacturer Merloni Elettrodomestici has implemented a more efficient three-phase alternating current (AC) motor with Field Oriented Control (FOC) in its designs. For more information on TI’s TMS320C24x, see www.ti.com/merlonipr

IEEE meeting addresses Power Electronics

Infineon announced its third generation integrated multi-chip power IC family, reinforcing the company’s position as a leading supplier of power semiconductors for switched-mode power supply (SMPS) applications. The CoolSET F3 family allows SMPS manufacturers to quickly design lighter, more cost-effective power supplies with high reliability and optimized efficiency. "The U.S. government estimates that the total amount of electricity flowing through external and internal power supplies in that country alone is more than 207 billion kWh/year, or about 6 percent of the total electric bill, and that more efficient designs could save an estimated 15 to 20 percent of that energy," said Anirudh Mittal, Vice President and General Manager, Power Management & Supply Business Unit, Infineon Technologies AG. "With the industry’s lowest stand-by power consumption, the CoolSET F3 family can contribute significantly to achieving those savings." The stand-by power consumption of Infineon’s CoolSET F3 products is the lowest currently available, exceeding the specifications of such standards as Energy Star and the German Blue Angel Eco Norm. For example, in a typical 30 watt (W) DVD recorder, the stand-by power consumption of a CoolSET F3 device is less than 100 mW. The maximum allowed for 15 W-to-50 W supplies under the Energy Star and European energy commission target specifications is 500 mW. The lowest consumption achieved by a competitive device in the same type of application is above 150 mW measured on a 10 W board. Further information on Infineon’s CoolSET products is available at: www.infineon.com/coolset

CoolSET provides lowest stand-by power

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