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Microchip Technology Unveils SPD EEPROMs for DDR2 & DDR3 DIMM Modules

Devices Have Lowest Operating Voltage of Any SPD EEPROM in Industry

CHANDLER, Ariz.--(BUSINESS WIRE)--

Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller and analog semiconductors, today announced a series of Serial Presence Detect (SPD) EEPROM devices that support the latest Double Data Rate 2 (DDR2) DIMM modules used in today's high-speed PCs, as well as future DDR3 DIMM modules. The 34AA02, 34LC02 and 34VL02 (34XX02) devices meet the latest JEDEC standard for SPD EEPROM devices, with the 34VL02 supporting the lowest operating voltage range of any SPD EEPROM in the industry (1.5 to 3.6V). All the EEPROMs are available in JEDEC-standard packages and are the only SPD EEPROMs available in the popular 6-pin SOT-23 package. When combined with the already-announced MCP9805 memory module digital temperature sensor and MCP98242 temperature sensor with SPD EEPROM, the 34XX02 devices mean Microchip now provides a complete family of devices for the SPD and temperature needs of DRAM manufacturers.

For years, Microchip has manufactured the 24AA52 and 24LCS52 SPD EEPROM devices to meet DDR1 requirements. The next-generation 34XX02 devices are designed to meet the JEDEC standard for newer DDR2 and future DDR3 modules, while also supporting the older DDR1 requirements. Because of their low operating-voltage ranges of 1.7 to 5.5V for the 34AA02; 2.5 to 5.5V for the 34LC02, and 1.5 to 3.6V for the 34VL02, the devices can be designed into current and future PCs that utilize low-voltage battery designs.

"Microchip is pleased to announce our new SPD EEPROM devices for DDR2 and DDR3 DIMM modules. With the ability to operate at very low voltages, we are now positioned to meet the market needs of the future," said Randy Drwinga, vice president of Microchip's Memory Products Division.

"With availability in all JEDEC-standard packages and the only SPD EEPROM available in the 6-pin SOT-23 package, we expect these devices to enable new features and applications in the high-speed PC and laptop markets," continued Drwinga.

Device-Specific Features, Package Options, Pricing & Availability

All of the new EEPROM devices are available in 8-pin TSSOP, 2 mm x 3 mm TDFN and MSOP packages, as well as the 6-pin SOT-23 package. The 34AA02 and 34LC02 devices are priced at $0.11 each in 100,000-unit quantities for the TSSOP and SOT-23 packages; $0.12 each in 100,000-unit quantities for the MSOP package, and $0.13 each in 100,000-unit quantities for the TDFN package.

Prices for the low-voltage 34VL02 devices are $0.10 higher in each of these packages--$0.21 each in 100,000-unit quantities for the TSSOP and SOT-23 packages; $0.22 each in 100,000-unit quantities for the MSOP package, and $0.23 each in 100,000-unit quantities for the TDFN package.

Samples can be ordered today at http://sample.microchip.com, and volume-production quantities can be purchased today at www.microchipdirect.com. For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at www.microchip.com/34XX02.

Microchip Customer Support

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About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller and analog semiconductors, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Ariz., Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at www.microchip.com.

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