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Mobius Microsystems Releases Frequency Source for USB 2.0 Applications into Volume Production

MM8201 is an industry-leading all-CMOS USB 2.0 oscillator offering fast start-up time and low stand-by current consumption

Sunnyvale, CA April 29, 2009 – Mobius Microsystems Inc., an innovator in precision timing ICs, today announced the production release of its MM8201 Oscillator for USB 2.0 applications, promising smaller and thinner USB devices in the future. The MM8201 features industry-leading start-up time and stand-by current consumption, and programmable frequencies from 10 to 100MHz.

The MM8201 is a monolithic, all-CMOS oscillator that is ideal for Full- and Hi-Speed USB 2.0 interfaces. The device generates the commonly used USB frequencies of 12/24/30 and 48MHz with excellent jitter and frequency stability performance. Mobius' proprietary all-silicon oscillator eliminates all mechanical resonators and enables USB devices with small and narrow USB form-factors.

Mobius' patented CMOS Harmonic Oscillator (CHO™) technology enables the state-of-the-art jitter performance of the MM8201. The low jitter frequency source can be used to lower the Bit Error Rates and improve the noise immunity represented by the “eye diagram” performance of USB interfaces. Additionally, the device offers a fast start-up time of 300 microseconds and a stand-by current consumption of 200nA under typical conditions. These are ideal for USB applications where low power suspend modes and quick wake-up times are needed.

“This is an important milestone for USB applications,” said Dr. Michael McCorquodale, CTO and Founder of Mobius Microsystems. “The MM8201 paves the path to smaller form factors and more effective power management schemes with its fast start-up time and low stand-by current.”

The monolithic, single-IC CMOS oscillator contains no mechanical or moving parts and offers excellent shock and vibration immunity. The MM8201 comes in an industry-standard, 5x3.2mm crystal compatible package. The MM8201 utilizes a low-cost plastic assembly which is ideal for surface mount soldering, and it eliminates any hermetically sealed ceramic packaging. The device offers best-in-class MSL1 moisture sensitivity level.

The MM8201 is now available in volume production.

About Mobius Microsystems Inc. (www.mobiusmicro.com)

Mobius Microsystems is an innovator in precision timing ICs, and is the first company to implement highly accurate silicon oscillators monolithically in standard CMOS. This is a significant technical breakthrough in frequency generation, which up to now was served by quartz crystals and crystal oscillators. Mobius' patented CMOS Harmonic Oscillator (CHO) is a single-chip IC and offers system designers a frequency source with excellent phase noise and jitter performance. In addition to size and frequency advantages over quartz-based oscillators, the programmable CHO IC also significantly shortens the manufacturing cycle time to best respond to fluctuating demands of the market. Mobius Microsystems is headquartered at 111 W. Evelyn Avenue, Suite 210, Sunnyvale CA 94086; (408) 739-5400; info@mobiusmicro.com.