Trimble Introduces Tiny GPS Timing Receiver to Keep Systems in Sync

--Full-featured, Low Cost, 15 Nanosecond Timing in a Tiny Form Factor

LAS VEGAS, April 1, 2009 /PRNewswire-FirstCall via COMTEX News Network/ -- Trimble (Nasdaq: TRMB) introduced today a new embedded Global Positioning System (GPS) receiver for timing applications--the Trimble(R) Resolution-SMT(TM) GPS receiver. With major advancements in performance, ease of integration and software flexibility, the Resolution-SMT GPS receiver enables system integrators to add precise GPS to provide location, Coordinated Universal Time (UTC) and synchronization to many products or systems where cost or size had previously been a limitation.

The announcement was made today at the International CTIA Wireless 2009 Conference.

Precise timing and synchronization is vital to today's wireless infrastructure, efficiently controlling the flow of network information data to maximize the use of bandwidth. Backed by Trimble's 30 years of experience, innovation, and long-term commitment to the market, the Resolution-SMT receiver provides a low-cost, easy to use, highly accurate and reliable GPS timing source for the telecommunications, broadcast synchronization, power transmission and wireless industries.

The Resolution-SMT is a complete, ready-to-go timing receiver in a 19mm x 19mm x 2.5mm shielded module. The small, thin, single-sided receiver is packaged in tape and reel for pick and place manufacturing processes. It features a reflow-solderable edge castellation interface so the module can be incorporated in a product design without costly I/O and RF connectors.

Timing features of the Resolution-SMT receiver include: Automatic Self-Survey to ensure accurate reference position for improved timing accuracy; the Overdetermined Timing Mode provides an extremely accurate 1 PPS synchronized to GPS/UTC within 15 nanoseconds (one sigma); Timing Receiver Autonomous Integrity Monitoring (T-RAIM) to assure high PPS integrity in Overdetermined Timing Mode; and other features. The modular design also allows for reduced integration time and low implementation risk.

The Resolution-SMT Starter Kit provides everything a designer needs to begin adding state-of-the-art GPS timing capability into their application. The Resolution-SMT receiver uses Trimble Standard Interface Protocol (TSIP) or NMEA.

The Resolution-SMT receiver and starter kit is available now through Trimble's worldwide Component Technologies sales network.

About Trimble GPS Timing

With the expansion of data and communications networks, Trimble GPS provides the pulse and frequency for some of the world's largest communications and computer networking companies. Trimble has deployed tens of thousands of GPS clocks and timing boards into the field over the last decade. Trimble offers precise time and frequency products for CDMA, TDMA, GSM, Broadband Wireless, TCP/IP and 3G applications. More than 30 years of experience allow Trimble to take GPS receivers and disciplined clocks to higher levels of integration and performance, providing a cost benefit to customers.

About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location--including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information Trimble's Web site at www.trimble.com.

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