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TriQuint Releases Smallest, Most Integrated GPS Front-End Module

New Module is First to Combine Two Filters, LNA in Small Form Factor Package Ideal for Handset, PND, Automotive Applications

HILLSBORO, OREGON (USA) – October 13, 2008 – TriQuint Semiconductor, Inc (NASDAQ: **TQNT**), a leading RF front-end product manufacturer and foundry services provider, today announced the release of its newest highly-integrated RF module for GPS (global positioning satellite) navigation systems. The new front-end module combines filter and low noise amplifier (LNA) functions in the smallest package available today, enabling new wireless handset applications as well as mobile and automotive designs. The device expands TriQuint's already extensive GPS portfolio including surface acoustic wave (SAW) filters now in use by a majority of the world's leading personal navigation device (PND) makers.

TriQuint Semiconductor has shipped more than 130 million filters to global GPS manufacturers including three of the top four PND vendors as determined by Canalys estimates in 2007[1]. According to GPS SAW filter shipment records, TriQuint supplied the world's leading PND manufacturers with 66% of the total SAW filters used across the globe last year and continues its leadership in 2008.

"The market for GPS is clearly moving toward integrated modules. It's a similar pattern we've seen and continue to see in the mobile phone handset market," remarked TriQuint GPS Product Marketing Manager, Joshua Raha. "TriQuint is already the world's largest GPS SAW filter manufacturer and a leading designer and manufacturer of highly-integrated handset modules. It was a natural move for us to bring our integration expertise from handsets to the GPS space."

Mr. Raha stated that TriQuint's new GPS module is unique in several ways, including a 3x3mm form factor that makes it ideal for adding location-based functions to size-conscious wireless handsets. The compact size also makes it highly suited for new generations of mobile GPS consumer devices, industrial and automotive applications.

The TQM640002 includes TriQuint's smallest two-in-one SAW filter and can operate with either 1.8 or 2.8 supply voltages. The module's filters provide superior rejection compared to other market solutions. Better rejection is a key factor for manufacturers who need to filter out signal interference. Filtering is especially important for GPS products because satellite-based location data signals are relatively weak compared to terrestrial RF sources. "Better rejection preserves the signal you want while filtering out the rest," Mr. Raha said. "This is particularly important in the hostile RF environment seen in handset applications where noise or spurious signals interfere with functions like simultaneous voice and GPS usage. The out-of-band cellular signals can compress the GPS LNA, rendering the entire GPS chain unusable. The rejection our new module provides effectively protects that chain, enabling simultaneous GPS and voice communication on a cell phone."

"This new module also offers the advantage of zero matching. This 'plug-and-play' approach simplifies both design and manufacturing of our customers' GPS-enabled devices. The fact that there are no matching components results in additional space on the board. This is clearly a key advantage in handset applications where every square millimeter saved enables another function or a smaller form factor," said Mr. Raha.

TriQuint engineered its newest module in consultation with several major GPS and personal navigation pioneers, including SiRF Technology, Inc., a world leader in creating solutions that use the GPS system to bring location awareness to an expanding array of consumer products.

"The location-based services market has great potential, with GPS now appearing in a wide range of exciting new consumer and industrial products," according to Tim McCarthy, Director of SiRF's Wireless Marketing Group. "The new TriQuint module will make it easier to add GPS to these new products."

Consumer demand for products based on global navigation satellite system (GNSS) technology is accelerating. According to Strategy Analytics Director of RF and Wireless Components, Chris Taylor, shipments of GPS products will continue to grow world-wide; the newest devices in the market will benefit from integrated modules such as TriQuint's latest product release.

"Strategy Analytics estimates that more than 200 million GPS-capable electronic devices will ship this year, and that shipments will continue to increase at an average compound annual growth rate of 27 percent through 2012 as use of GPS expands in cell phones, PDAs, mobile computing devices and vehicles. The GPS radios in most of these systems benefit from higher sensitivity and faster time to 'first fix' (time a GPS receiver needs to acquire navigation data and calculate a solution) when used with an external LNA such as TriQuint's compact TQM640002," said Mr. Taylor.

TriQuint's new highly-integrated GPS RF front-end module, the TQM640002, is now sampling. Send e-mail inquiries to: info-networks@tqs.com; please include the part number in the subject line.

TriQuint Semiconductor designs and manufactures a wide range of RF products for GPS and networks infrastructure, wireless handsets, defense and aerospace applications. TriQuint is also ranked the world's largest GaAs foundry service and the defense industry's leading foundry provider according to Strategy Analytics' latest semiconductor market reports[2]. Visit us as www.triquint.com for details.

[1]**Source:** Canalys estimates, © canalys.com Ltd 2007; © ***Digitimes*** **magazine, December 5, 2007.**

[2]**Source:** Strategy Analytics, August 2008: GaAs Device Vendor Market Share 2007: North America; and GaAs Device Vendor Market Share 2007: Asia-Pacific and Europe.

FORWARD LOOKING STATEMENTS
This TriQuint Semiconductor, Inc. (NASDAQ: **TQNT**) press release contains forward-looking statements made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Readers are cautioned that forward-looking statements involve risks and uncertainties. The cautionary statements made in this press release should be read as being applicable to all related statements wherever they appear. Statements containing such words as 'leading', 'exceptional', 'largest', 'high efficiency', 'adding value', 'leading supplier', or similar terms are considered to contain uncertainty and are forward-looking statements. A number of factors affect TriQuint's operating results and could cause its actual future results to differ materially from any results indicated in this press release or in any other forward-looking statements made by, or on behalf of, TriQuint including, but not limited to: those associated with the unpredictability and volatility of customer acceptance of and demand for our products and technologies, the ability of our production facilities and those of our vendors to meet demand, the ability of our production facilities and those of our vendors to produce products with yields sufficient to maintain profitability, as well as the other "Risk Factors" set forth in TriQuint's most recent 10-Q report filed with the Securities and Exchange Commission. This and other reports can be found on the SEC web site, www.sec.gov. A reader of this release should understand that these and other risks could cause actual results to differ materially from expectations expressed / implied in forward-looking statements.

FACTS ABOUT TRIQUINT
Founded in 1985, we "Connect the Digital World to the Global Network"™ by supplying high performance RF modules, components and foundry services to the world's leading communications companies. Specifically, TriQuint supplies products to four out of the top five cellular handset manufacturers, and is a leading gallium arsenide (GaAs) supplier to major defense and space contractors. TriQuint creates standard and custom products using advanced processes that include gallium arsenide, surface acoustic wave (SAW) and bulk acoustic wave (BAW) technologies to serve diverse markets including wireless handsets, base stations, broadband communications and military. TriQuint is also lead researcher in a 3-year DARPA program to develop advanced gallium nitride (GaN) amplifiers. TriQuint, as named by Strategy Analytics in August 2008, is the number-three worldwide leader in GaAs devices and the world's largest commercial GaAs foundry. TriQuint has ISO9001 certified manufacturing facilities in Oregon, Texas, and Florida and a production plant in Costa Rica; design centers are located in North America and Germany. Visit TriQuint at www.triquint.com/rf to receive new product information and to register for our newsletters.

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