December 17, 2008

TriQuint Furthers RF Module Leadership

Newest 7x4mm PA Duplexers Simplify Multi-band CDMA Phone Designs, Deliver World-Class Talk Time & Reduce Module Size by 30%

HILLSBORO, OREGON (USA) – December 17, 2008 – TriQuint Semiconductor, Inc (NASDAQ: **TQNT**), a leading RF front-end product manufacturer and foundry services provider, today announced it is shipping the TRITIUM II PA-Duplexer Module™ family, its latest solution of RF modules for mobile handset manufacturers. The TRITIUM II PA-Duplexer Module™ family supports the CDMA 2000 (EV-DO) protocol with the following bands: PCS, cellular, and AWS. The 7x4mm modules were developed with TriQuint's own in-house technology assets, offering customers significant performance, cost and supply chain benefits. This introduction makes TriQuint the leading manufacturer of highly integrated modules for handset manufacturers developing multi-band phones.

The TRITIUM II PA-Duplexer family includes the TQM663029A, (PCS band) the TQM613029 (cellular band) and the TQM653029 (AWS band). Together with TriQuint's SP3T antenna switch, GPS LNA/filter module and RF filters, the TRITIUM II PA-Duplexers™ provide customers a complete front end solution for multi-band CDMA handsets. Utilizing in-house technology enables TriQuint to offer a solution that is more cost-effective, more efficient and half the size of solutions comprised of discrete components. According to Strategy Analytics June 2008 report on PA market growth1, TriQuint's ability to shrink the module size is setting an industry standard resulting in significant market share gains, nearly doubling in just two years.[1]

The TRITIUM PA-Duplexer architecture is quickly gaining mass market acceptance. In the 3rd quarter (ended September 2008), TriQuint's WCDMA PA-Duplexer modules sales tripled over the previous quarter. "The TRITIUM II PA-Duplexers family expands TriQuint's RF leadership in the fast growing product segment for WCDMA and CDMA phones. Our customers tell us they appreciate the simplicity of using modules over discrete components," said Mike Armentrout, TriQuint's Product Marketing Manager. "Modules enable customers to lay-out one phone board to accommodate all tri-band and dual-band CDMA phone combinations. This elegant solution offers scalability, reduced time to market and a 50% reduction in BOM count/size vs. discrete components. These benefits are critical for the next generation- of - phones where size and performance are differentiating factors for handset customers."

TriQuint's second generation modules reduce the module size by 30% while improving key performance parameters for mobile handsets. Each 7x4mm PA-Duplexer in the TRITIUM II PA-Duplexer™ CDMA family contains a transmit SAW filter, coupler, duplexer, biasing/regulator circuitry, internal matching and a state-of-the-art high efficiency amplifier. Based on comparative talk-time measurements, these modules are the world's most efficient integrated amplifier solution available on the market.

Availability
The TRITIUM II PA-Duplexer™ family for CDMA is shipping in high volume and available for purchase. To locate a TriQuint expert in your area, please visit www.triquint.com/sales. Our network of distributors, resellers and local and field sales representatives are available to assist. Detailed information on our products including datasheets, application notes and other literature is located at www.triquint.com.

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 manufacturer', 'complete front end RF, 'lower cost, 'more efficient, 'half the size, 'leadership, 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.

[1] "PA Market Growth of 12.6 Percent Help Propel TriQuint to Third in Share" Strategy Analytics, June 2008

Shane Smith
Director of Marketing
TriQuint Semiconductor, Inc
Tel: +1.503.615.9473
E-mail: ssmith@tqs.com

Kevin Schoenrock
Product Marketing Manager
TriQuint Semiconductor, Inc.
Tel: +1.407.884.3452
E-Mail: kschoenrock@tqs.com

Media Contact:
Shannon Rudd
Marketing Communications Manager
TriQuint Semiconductor, Inc.
Tel: +1.503.615.9407
E-mail: srudd@tqs.com