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TriQuint Announces Next Generation Multi-Mode Power Amplifier Module for Leading 3G/4G Chipset

Hybrid Converged MMPA Improves Performance and Lowers WCDMA and EDGE System Cost

HILLSBORO, Ore. & BARCELONA, Spain--(BUSINESS WIRE)-- TriQuint Semiconductor, Inc. **(NASDAQ:TQNT)**, a leading RF front-end product manufacturer and foundry services provider, today announced availability of its first Multi-Mode Power Amplifier (MMPA) module developed for a market leading 3G/4G chipset solution. The TQM7M9023, a member of the TRIUMF Module™ family, combines with TriQuint's industry leading TRITIUM PA-Duplexer Module™ family to offer a complete RF system solution for smartphones and other mobile devices.

Tim Dunn, Vice President and General Manager of Mobile Devices at TriQuint noted, "The TQM7M9023 is an important addition to our product portfolio. It integrates WCDMA functionality around our core competence of GSM/EDGE power amplifiers while providing customers a flexible, high performance platform solution to meet the increasing band count combinations in 3G/4G handsets. Our ability to integrate passive and active devices into high performance system solutions continues to propel TriQuint's value in the smartphone market."

TriQuint MMPAs provide several key benefits to mobile device vendors:

- Decreased overall radio solution size to enable a greater feature set in a smaller form factor
- Simplified PCB routing for improved performance and design cycles
- A reduction in BOM count that improves manufacturing efficiency

The combination of the MMPA and Band 2 and Band 5 TRITIUM modules offers a flexible and simplified RF solution that can reduce mobile device engineering and development time.

TriQuint offers the industry's largest in-house technology portfolio which uniquely enables innovative RF architectures that align with major chipset providers; this broad breadth portfolio provides device manufacturers qualified, tested and certified solutions. TriQuint will highlight these platform solutions at the telecommunications industry's largest annual gathering, GSMA Mobile World Congress, in Barcelona, Spain 14 - 17 February, 2011.

Technology Overview: TRIUMF MMPA Module using CuFlip technology

Utilizing its unique CuFlip® technology enables TriQuint to achieve the compact 5.0x7.5mm footprint in the TQM7M9023. The MMPA integrates Quad-band GSM/EDGE functionality with WCDMA Bands 1 & 8 into a single package. Building on TriQuint's leadership in the EDGE market, the MMPA can provide additional value to customers through improved system performance and lower overall cost by replacing three discrete power amplifier modules and associated matching components.

The TQM7M9023 is a fully integrated MMPA and includes a GSM/EDGE power amplifier, WCDMA power amplifiers, high performance coupler, regulatory circuitry and matching components. It does not require an external DC/DC converter or complicated band switches, thus providing customers the best RF performance at maximum output and backed-off power levels for both data and voice applications, respectively. The TQM7M9023 is now sampling and is expected to ramp into production by mid 2011.

Technology Overview: TRITIUM PA-Duplexers using 2nd generation BAW and SAW technology

The Band 2 TQM66605x and Band 5 TQM61605x TRITIUM PA Duplexers were designed to support the MMPA. TriQuint integrates high-performance BAW and SAW duplexer capabilities with low current consumption power amplifiers to customize traditional components for optimal performance.

The new TRITIUM PA-Duplexers are approximately 50% smaller in size compared to our industry leading TRITIUM family that shipped over 200 million units in calendar year 2010. Leveraging TriQuint's new second generation BAW technology and

advanced SAW capability, the modules allow multi-mode CDMA and WCDMA operation, enabling customers to leverage a single product across multiple platforms. Each module contains a Flip Chip BiHEMT power amplifier die, achieving industry leading current consumption for maximum talk-time and thermal efficiency critical for smartphone applications. The new TRITIUM PA-Duplexers will be sampling in the second half of 2011. To locate one of TriQuint's distributors, resellers or local and field sales representatives, please visit www.triquint.com/sales.

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 ‘industry-leading', ‘complete RF system', ‘high performance', ‘propel', ‘uniquely', ‘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, TriQuint Semiconductor (NASDAQ:TQNT) is a leading global provider of innovative RF solutions and foundry services for the world's top communications, defense and aerospace companies. People and organizations around the world need real-time, all-the-time connections; TriQuint products help reduce the cost and increase the performance of connected mobile devices and the networks that deliver critical voice, data and video communications. With the industry's broadest technology portfolio, recognized R&D leadership, and expertise in high-volume manufacturing, TriQuint creates standard and custom products using gallium arsenide (GaAs), gallium nitride (GaN), surface acoustic wave (SAW) and bulk acoustic wave (BAW) technologies. The company has ISO9001-certified manufacturing facilities in the U.S., production in Costa Rica, and design centers in North America and Germany. For more information, visit www.triquint.com.

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