



FOR IMMEDIATE RELEASE

News Release

TowerJazz Finds a Unique Solution for Advanced ESD and Power Domain Checking in Calibre PERC

WILSONVILLE, Ore., and NEWPORT BEACH, Calif., May 22, 2012 – Mentor Graphics Corporation (Nasdaq: MENT) today announced that specialty foundry TowerJazz has selected the Calibre® PERC product to perform circuit reliability verification for its latest 0.13 and 0.18 micron products, including highly customized electrostatic discharge (ESD) and power management circuit checks. The Calibre PERC solution provides the unique ability to combine schematic (netlist) and physical layout criteria and measurements to perform advanced checks that were previously done manually because they were difficult or impossible to automate.

“The Calibre PERC adds a new dimension to rule checking taking TowerJazz leadership in PDK development to the next level,” said Ori Galzur, Vice President of the TowerJazz VLSI Design Centre. “With the huge flexibility the tool provides, we and our customers are now able to easily implement special ESD rules and complex power management design rules related to our technology. This translates into higher reliability for our mutual customers, which helps drive product success.”

TowerJazz is currently using Calibre PERC internally to create specialized circuit reliability checks for its customers, which include but are not limited to electrostatic discharge (ESD), charge device modeling (CDM), and power management propagation checks. TowerJazz is also planning to issue Calibre PERC rule decks to TowerJazz customers later this year.

“As electronic systems become more integral to our daily lives, customers are demanding higher reliability for multiple use models and environments in products using complex ICs,” said Michael Buehler-Garcia, Senior Director of Marketing for Calibre Design Solutions at Mentor Graphics. “Using the Calibre PERC platform, TowerJazz and Mentor are addressing our customers’ growing requirements by implementing a new category of circuit reliability checking that is beyond the scope of traditional DRC and ERC tools.”

TowerJazz and Mentor will present more on advanced reliability checking efforts at the June 2012 DAC Conference in San Francisco (booth numbers 1105 and 1530 respectively). Please go to either company's website for additional details.

About TowerJazz

Tower Semiconductor Ltd. (NASDAQ: TSEM, TASE: TSEM), its fully owned U.S. subsidiary Jazz Semiconductor Ltd., and its fully owned Japanese subsidiary TowerJazz Japan, Ltd., operate collectively under the brand name TowerJazz, the global specialty foundry leader. TowerJazz manufactures integrated circuits with geometries ranging from 1.0 to 0.13-micron, offering a broad range of customizable process technologies including: SiGe, BiCMOS, Mixed-Signal and RFCMOS, CMOS Image Sensor, Power Management (BCD), and Non-Volatile Memory (NVM) as well as CMOS and MEMS capabilities. TowerJazz also offers a world-class design enablement platform that complements its sophisticated technology and enables a quick and accurate design cycle. In addition, TowerJazz provides (TOPS) Technology Optimization Process Services to IDMs as well as fabless companies that need to expand capacity, or progress from an R&D line to a production line. To provide multi-fab sourcing, TowerJazz maintains two manufacturing facilities in Israel, one in the U.S., and one in Japan with additional capacity available in China through manufacturing partnerships. For more information, please visit www.towerjazz.com.

Safe Harbor Regarding Forward-Looking Statements

This press release includes forward-looking statements, which are subject to risks and uncertainties. Actual results may vary from those projected or implied by such forward-looking statements. A complete discussion of risks and uncertainties that may affect the accuracy of forward-looking statements included in this press release or which may otherwise affect TowerJazz's business is included under the heading "Risk Factors" in Tower's most recent filings on Forms 20-F, F-3, F-4 and 6-K, as were filed with the Securities and Exchange Commission (the "SEC") and the Israel Securities Authority and Jazz's most recent filings on Forms 10-K and 10-Q, as were filed with the SEC, respectively. Tower and Jazz do not intend to update, and expressly disclaim any obligation to update, the information contained in this release.

About Mentor Graphics

Mentor Graphics Corporation is a world leader in electronic hardware and software design solutions, providing products, consulting services and award-winning support for the world's most successful electronic, semiconductor and systems companies. Established in 1981, the company reported revenues in the last fiscal year of about \$1,015 million. Corporate headquarters are located at 8005 S.W. Boeckman Road, Wilsonville, Oregon 97070-7777. World Wide Web site: <http://www.mentor.com/>.

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