



**For Immediate Release**

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**CIRANOVA AND MENTOR GRAPHICS DEMONSTRATE INTEROPERABILITY BENEFITS OF  
OPENACCESS-BASED PCELL SOLUTIONS**

PyCell Studio and PCell Xtreme enable Calibre nmDRC to read OpenAccess databases containing PCells from any vendor; streaming out to GDSII format no longer required

SANTA CLARA, Calif. December 4, 2006 – Ciranova™, Inc, today announced that Mentor Graphics (Nasdaq:MENT) and Ciranova have validated interoperability of Ciranova's full PCell generation and migration product line with Mentor's next generation physical verification tool, Calibre® nmDRC. The interoperability, based on the industry standard OpenAccess database, allows users of the OpenAccess version of Calibre nmDRC to directly open databases containing PCells from any vendor without first streaming out to GDSII. This represents a significant step forward as a lack of visibility to PCells has been a major obstacle to the adoption of an OpenAccess flow.

Mentor and Ciranova collaborated to validate that both of Ciranova's PCell products work transparently with Calibre nmDRC:

- PCell Xtreme™ supports legacy PCells and enables Calibre nmDRC to read OpenAccess databases containing PCells written in proprietary languages from any vendor
- PyCell Studio™ produces universal OpenAccess PCells, called PyCells™, which Calibre nmDRC can read directly in OpenAccess databases

"Mentor Graphics and Ciranova have demonstrated the interoperability benefits of Open Access, eliminating a major bottleneck to increasing custom chip design productivity," said Anthony Nicoli, Calibre marketing director at Mentor Graphics. "We've always been an advocate for true interoperability, and maintained a long history of integrating into all design creation environments -- it's the customer-focused stance we have followed from the very start."

Companies adopting the OpenAccess design database list EDA tool interoperability as one of the key benefits they want to achieve. The collaboration between Mentor and Ciranova ensures that Calibre nmDRC users are able to open any OpenAccess database directly, no matter what kind of PCells may have been used to create that database. In addition, the direct read function in Calibre nmDRC eliminates the GDS stream out. The database interface automates layer mapping, back annotates DFM optimizations into the design database, and doesn't require significant disk space for holding the GDSII data for every iteration. No additional layout tool is required for direct read.

Ciranova's PCell Xtreme product is ideal for helping migrate designs that contain legacy PCells written with proprietary languages without first streaming out to GDSII. Ciranova and Mentor verified that Calibre nmDRC can read an OpenAccess database containing Python-based PyCells created by Ciranova's PyCell Studio. This combination gives designers unprecedented options for creating new or re-using existing PCells

"Mentor has established Calibre as an integral part of many semiconductor design flows. Through our mutual support of OpenAccess we can provide custom chip designers even more value in how they develop, use and verify the fundamental building blocks of advanced analog/mixed-signal design," said Michael Ma, Ciranova's vice president of business development. "Ciranova and Mentor will work together to ensure that future versions of our software continue to interoperate under OpenAccess."

#### **About Ciranova**

Ciranova is an Electronic Design Automation (EDA) startup company, focused on building an open, interoperable, language-based cell generator technology for custom analog and mixed signal (AMS) integrated circuit design. Ciranova's technology, which is the only layout generator development environment built from the ground up on the industry standard OpenAccess database from SI2, will bring the integration, productivity and migration benefits of modern language-based design to custom and AMS designers. The company's first product, PyCell Studio, is available as a free download from its web site, [www.ciranova.com](http://www.ciranova.com). The company is headquartered in Santa Clara, California.

#### **About Mentor Graphics**

Mentor Graphics Corporation (Nasdaq: MENT) 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 electronics and semiconductor companies. Established in 1981, the company reported revenues over the last 12 months of over \$725 million and employs approximately 4,050 people worldwide. Corporate headquarters are located at 8005 S.W. Boeckman Road, Wilsonville, Oregon 97070-7777. World Wide Web site: <http://www.mentor.com/>.