

Ubixum Achieves Product-Ready Design at First Silicon with Synopsys Galaxy Custom Designer Solution

MOUNTAIN VIEW, Calif., Sept. 1 [PRNewswire-FirstCall](#)/ -- Synopsys, Inc. (NASDAQ: SNPS), a world leader in software and IP for semiconductor design, verification and manufacturing, today announced that Ubixum has used Synopsys' Galaxy Custom Designer™ implementation solution to successfully design its latest advanced image sensor chip. The chip has been verified to be product-ready with first silicon. Custom Designer is a modern-era custom implementation solution that delivers superior ease-of-use and leverages Synopsys' Galaxy™ Implementation Platform to provide a unified solution for custom and digital designs. The Custom Designer tool set enabled Ubixum to achieve higher productivity and better integration with their optimized design process.

"Synopsys' comprehensive custom implementation and simulation solutions, methodologies and support played a critical role in helping us to achieve first-silicon success," said Keith Fife, cofounder of Ubixum. "The use of Custom Designer running natively on the OpenAccess database allowed us to easily integrate our own tools and to access the design through our own API. Custom Designer can handle very large designs with many complex polygon shapes found in our custom devices. Its ability to properly handle and display large arrays has been important to our productivity. We have already started to use Custom Designer for our next product."

Ubixum turned to Custom Designer for its modern architecture and completeness that delivers productivity with a familiar user interface while integrating a common use model for simulation, analysis, parasitic extraction and physical verification. Custom Designer is built natively on the OpenAccess database for legacy designs and offers unprecedented openness and interoperability with process design kits (PDKs) from leading foundries. Key modules include a schematic editor featuring on-canvas editing and dynamic net highlighting. The simulation environment provides a common use model allowing access to Synopsys simulators, including the HSPICE®, CustomSim™ and Custom WaveView simulators. In addition, the results from Hercules™ DRC/LVS and Star-RCXT™ parasitic extraction are dynamically available within Custom Designer.

"Galaxy Custom Designer continues to meet the demands of our customers as design challenges continue to increase. Ubixum's successful design underscores Synopsys' commitment to deliver solutions that address our customers' design challenges and meet their productivity needs," said Bijan Kiani, vice president of Product Marketing for Design and Manufacturing Tools at Synopsys. "We congratulate Ubixum on their first-pass silicon success, and we plan to continue working closely with them for the mutual benefit of both companies by extending the advanced design capabilities of Galaxy Custom Designer."

About Ubixum

Ubixum is a fabless semiconductor company specializing in sensors and systems. The company was founded in 2007 to design and manufacture high-performance sensors for consumer and industrial applications. Ubixum is headquartered in Palo Alto, California with engineering offices in Utah and Massachusetts.

About Synopsys

Synopsys, Inc. (NASDAQ: SNPS) is a world leader in electronic design automation (EDA), supplying the global electronics market with the software, intellectual property (IP) and services used in semiconductor design, verification and manufacturing. Synopsys' comprehensive, integrated portfolio of implementation, verification, IP, manufacturing and field-programmable gate array (FPGA) solutions helps address the key challenges designers and manufacturers face today, such as power and yield

management, software-to-silicon verification and time-to-results. These technology-leading solutions help give Synopsys customers a competitive edge in bringing the best products to market quickly while reducing costs and schedule risk. Synopsys is headquartered in Mountain View, California, and has more than 65 offices located throughout North America, Europe, Japan, Asia and India. Visit Synopsys online at <https://www.synopsys.com>.

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