

Power Analog Microelectronics Tapes Out First of Several Integrated Circuit Products Using Simucad Design Flow

Santa Clara CA, May 19th, 2008

Power Analog Microelectronics, Inc. (PAM), a company that focuses on designing advanced analog and high-voltage power integrated circuits (ICs), successfully taped out the first of several complex integrated circuit products using an all-Simucad tool design flow. Simucad Design Automation is a leading provider of Analog, Mixed-Signal and RF Electronic Design Automation (EDA) software.

The PAM3101 IC, now in production, was designed, simulated and laid out using Simucad's TSMC05_5V MM Process Design Kit (PDK) and Simucad's Custom IC CAD design software. Other PAM IC products are in development using Simucad's TSMC025_40V and TSMC06_40V BCD PDKs.

"The purpose of these ICs is to combine unique circuit design with innovative device and process technologies to produce the most cost-effective, highly efficient, power-saving products that can result in considerable cost-savings for end users and consumers," said Vincent Fong, Vice President of Engineering at PAM.

Fong further described the toolset used. "We used Simucad's Gateway for schematic entry, SmartSpice for analog simulation, Expert for layout editing, Guardian DRC/LVS/NET for physical verification, and HIPEX for hierarchical and parasitic extraction. Using a single vendor design flow has many benefits, specifically ease of tool use, better design productivity and great support."

"It is fun working with a great customer like PAM on a complex circuit design project combining high quality PDKs with a well integrated Simucad toolset," said Dr. Ivan Pestic, CEO of Simucad.

About Power Analog Microelectronics

Power Analog Microelectronics, Inc. (PAM), established in 2004, focuses on advanced analog, and high-voltage power integrated circuits. PAM was founded in Silicon Valley by business executives with senior management experience in running publicly listed companies, plus key technologists and design experts in the analog and power IC fields. Besides the company's headquarters in Silicon Valley with an advanced research and development center, PAM also has set up technical support centers in Shanghai, Shenzhen and Taipei. For more information about PAM, please visit www.poweranalog.com.

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About SIMUCAD Design Automation

Simucad Design Automation is a leading provider of simulation and CAD software tools used for developing analog, mixed-signal, and RF integrated circuits. Founded in 2004 as a spin-off from Silvaco International, the company delivers products for circuit simulation, custom IC layout and verification, interconnect modeling, digital simulation, and IP characterization. The company provides a complete PDK-based design flow with interfaces to third-party design platforms. Simucad has a worldwide presence inherited from Silvaco's twenty years of business and is preparing for an IPO. For more information about Simucad, please visit www.simucad.com.

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