Synopsys' SpyGlass Solution Delivers Critical Technology to Enable Compliance with DO-254 Aviation Safety Standard

MOUNTAIN VIEW, Calif., June 2, 2016 /PRNewswire/ -- Synopsys, Inc. (Nasdaq:SNPS) today announced the availability of key technology required by airborne electronic hardware (AEH) system-on-chip (SoC) teams for compliance with the DO-254 standard. The DO-254 standard is used to ensure the highest level of safety in AEH designs for airborne applications. Built upon the industry's leading Synopsys SpyGlass® RTL Signoff solution, Synopsys' key technology includes a comprehensive set of necessary register transfer level (RTL) and clock-domain crossing (CDC) checks, related methodologies and documentation to accelerate RTL signoff of aviation-related electronic systems.

"DO-254 compliance is a significant challenge and design teams are required to simplify the process, reduce design iterations and cost," said Tammy Reeve, President of Patmos Engineering, DO-254 consultant, and Chair of the DO-254 User Group. "Synopsys provides cutting-edge technology for the aerospace and defense market with respect to DO-254 compliance. The SpyGlass support for DO-254 compliance and RTL signoff delivers a streamlined technology for early design closure."

With the evolution of progressively more complex AEH designs, SoC hardware design teams are challenged to ensure each component delivers on critical safety measures. The DO-254 standard addresses this challenge by defining key safety objectives, including checking the hardware description language (HDL) for safe coding practices to guarantee the highest level of safety for AEH designs. Synopsys' industry-leading SpyGlass RTL solution enables design teams to accelerate design compliance with the DO-254 standard at an earlier stage in the design flow, minimizing the risk for potential safety issues and accelerating its use in airborne applications.

"Synopsys has a successful history of collaboration with leading aviation companies," saidMo Movahed, vice president of R&D in the Synopsys Verification Group. "The new technology enabled by Synopsys' SpyGlass solution enables these companies to achieve compliance with the DO-254 standard, demonstrating Synopsys' strong commitment to adhere to aviation industry safety standards."

About Synopsys

Synopsys, Inc. (Nasdaq:SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP and is also growing its leadership in software quality and security solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest quality and security, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

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