ASIX Adopts Synopsys' USB Type-C Subsystem Verification Solution

Solution Supports USB, USB PD and DisplayPort on Type-C and is Expandable to Future Protocols

MOUNTAIN VIEW, Calif., May 18, 2017 /PRNewswire/ -- Synopsys, Inc. (Nasdaq: SNPS) today announced that ASIX Electronics Corporation has adopted Synopsys' USB Type-C™ Subsystem Verification Solution for USB, USB Power Delivery and DisplayPort, including subsystem test suites and automated testbench generation. USB Type-C is being rapidly adopted as a signature feature for next-generation mobility and consumer electronics devices. Synopsys' Subsystem Verification Solution enables ASIX to design next-generation LAN ICs with increased productivity for accelerated verification closure.

"Our latest SuperSpeed USB-to-LAN IC is an industry-leading solution in performance and advanced multimedia capabilities," said James Chan, R&D vice president at ASIX. "Synopsys' USB Type-C Subsystem Verification Solution leverages advanced subsystem-level verification features, resulting in increased efficiency and performance of our ICs."

Synopsys' Subsystem Verification Solution provides USB Type-C Connection State Machine function and supports USB, DisplayPort and USB Power Delivery protocols. The solution features the ability to add future protocols as USB Type-C adoption increases. It is a highly configurable verification environment with automated UVM testbench generation capabilities and a comprehensive set of subsystem-level verification features.

"We continue to collaborate extensively with industry leaders on next-generation SoC designs, leveraging our expertise in the latest VIP protocols and specifications for rapidly emerging technologies," said Vikas Gautam, group director of VIP R&D and corporate applications for the Synopsys Verification Group. "Synopsys is committed to delivering comprehensive product offerings including robust protocol VIP, source code test suite and subsystem verification solutions."

Availability & Resources

Synopsys' USB Type-C Subsystem Verification Solution is available now.

Learn more about Synopsys' USB Type-C Subsystem Verification System:https://www.synopsys.com/verification/verification-ip/subsystems/usb-type-c-subsystem.html

Synopsys' DesignWare® USB Type-C/DisplayPort Controller and PHY IP are available now.

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 security and quality solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest security and quality, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

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