

Product development firm, Indesign, LLC, Announces Addition of Cadence Allegro PCB Design Tool

INDIANAPOLIS, IN – February 1, 2010 - Indesign, LLC, a nationally recognized engineering design firm specializing in electronic product development, has announced the addition of the Cadence Allegro PCB design tool.

Indesign recently added Cadence Allegro to its existing PCB design tools. In the world of electronics, designs are being driven by increasingly complex physical and electrical constraints, densely packed components and faster high-speed circuits. The Allegro tools allow the printed circuit board (PCB) ECAD designer at Indesign to easily define, manage and validate physical/spacing constraints especially for critical high-speed signals. This helps ensure the final PCB design meets performance, manufacturing and test specifications goals. The need for multiple PCB spins is reduced or eliminated altogether because the original design meets all the constraints imposed by the utilized technologies.

With Indesign's addition of the Cadence Allegro tool, the design of high-speed and highly constrained PCB layouts is accelerated. Cadence Allegro's Constraint Manager enables the designer to enter the physical, electrical and timing constraints, a must for high-speed designs that utilize technologies such as DDR2/3, gigabit Ethernet, USB 3.0, PCI Express, LVDS, HDMI 2.0, SATA 2/3 and others. When controlled impedances, differential pairs and matched trace lengths (delay tuning trombones and accordions) are needed, the Allegro Constraint Manager can be easily invoked and managed to ensure the design meets those requirements reliably, consistently and in the very first spin of the layout.

The New Capabilities in Printed Circuit Board design:

- Length, parallelism, and differential pair rule support
- Real-time DRC and routing of differential pair and length rules
- Interactive delay tuning
- Design for Assembly rule checking
- Automatic Test prep
- Automatic line width adjustment for impedance rules
- Via array/shielding
- Regional design constraint rules
- Width and clearance rules by layer
- Blind and buried vias

The addition of Cadence Allegro tools enables Indesign's PCB designers to take full advantage of new capabilities. Allegro provides enhanced benefits in PCB design, from the simplest boards through cutting-edge board designs requiring high component densities, multiple layers, very high-speed routing, differential traces, controlled impedances, and blind and buried vias. Allegro's performance combined with Indesign's highly experienced EE and ECAD staff dramatically increases your design success rate.

Indesign, dedicated to the continued success of its clients, offers state-of-the-art design and development through innovative concepts and design of comprehensive engineering design services for embedded electronic products and systems. These services include electrical circuit design, RF, software/firmware design, mechanical design, testing/validation services, project management and a host of other services dedicated to the development of electronic products and solutions.

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About Indesign, LLC

Indesign, LLC, provides engineering design services for embedded electronic products and systems. These services include electrical circuit design, software/firmware design, mechanical design, testing/validation services, project management and a host of other services dedicated to the development of electronic products and solutions.

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