

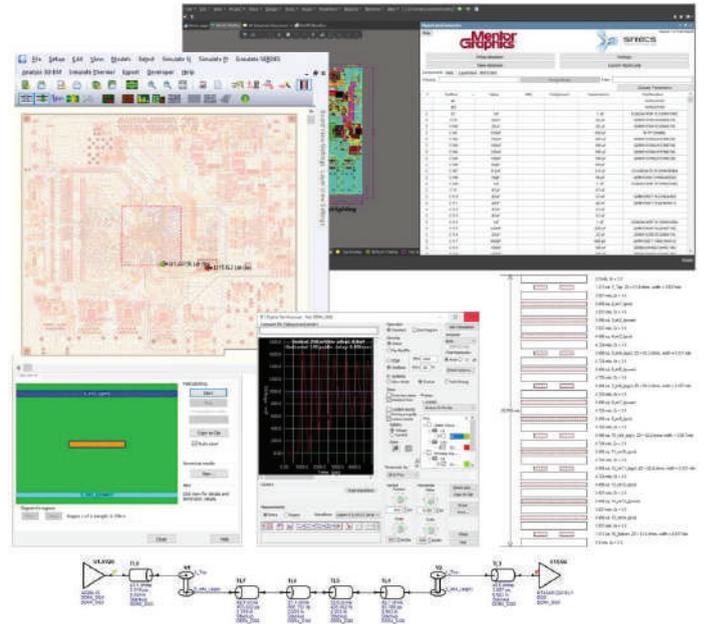


**sintecs**  
Designing on the edge

**Mentor**<sup>®</sup>  
A Siemens Business

## HYPERLYNX CONNECTOR

The HyperLynx Connector from Sintecs tightly integrates Altium Designer for PCB layout and HyperLynx from Mentor Graphics for signal integrity. The Connector is a menu item add-in (embedded "HyperLynx") providing support to set up simulation database, models and stackup and launch for HyperLynx natively from within Altium Designer environment. The Connector brings full-featured signal integrity analysis and verification from Mentor Graphics to every Altium user while a user can stay in the familiar environment.



### ALTIUM DESIGNER ENVIRONMENT

The HyperLynx Connector is an Altium Designer menu item add-in enabling the setup and launch of HyperLynx from within the Altium user environment



### FULL FEATURE SI ANALYSIS WITH HYPERLYNX

The HyperLynx Connector for Altium tightly integrates Mentor Graphics HyperLynx SI ALT for full feature signal integrity analysis



### QUICK DECISION MAKING DURING DESIGN

HyperLynx SI ALT's pre-layout topology editor with built-in crosstalk supports exhaustive design space exploration or quick "what-if" decisions during design

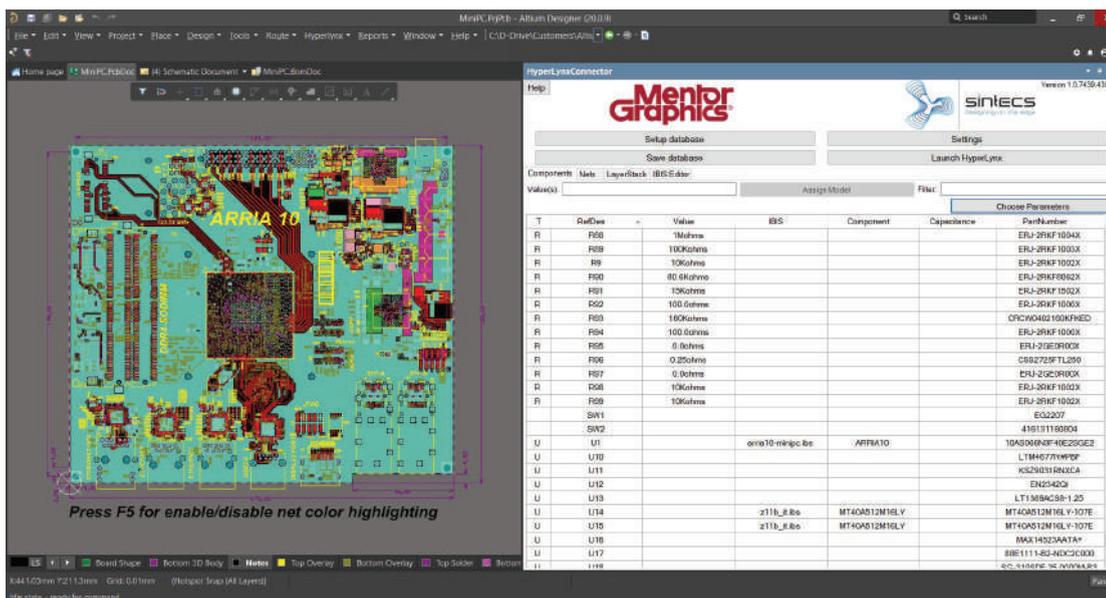


### RAPID PCB VERIFICATION BEFORE RELEASING

HyperLynx SI ALT's automated post-route extraction with crosstalk provides rapid PCB verification before releasing a design to manufacturing

The Connector leverages HyperLynx SI ALT ease of use and automated workflows, making complex SI analysis tasks accessible to the layout engineer while still providing the detailed modelling and simulation accuracy demanded by signal integrity experts.

During the design phase, HyperLynx LineSim (pre-route) topology editor enables the rapid capture of complex topologies common to the design. LineSim supports exhaustive parameter sweeping and design space exploration to determine layout constraints considered during PCB floorplanning and routing. The Connector supports HyperLynx BoardSim (post-route) extraction, including crosstalk, signal quality simulations, impedance/timing margins, and extensive reporting and results analysis. Potential issues are identified and resolved before fabricating the PCB, reducing costs and delays associated with prototype spins.



## ELECTRONIC DESIGN SERVICES

We can support you with a custom schematic design, PCB layout and high-speed board analysis services. Sintecs has the knowledge and tools to support your custom hardware development or design in a cost-effective integrated solution. This allows you to fully concentrate on your core competencies and enables you to focus on developing your company specific IP.

## ABOUT SINTECS

Based in Hengelo, The Netherlands, Sintecs is an official distributor of Mentor Graphics HyperLynx SI ALT. Sintecs also provides consulting, high-speed board design and analyses, embedded system design and custom electronic design services.



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