



Board Layout

CADSTAR PCB Layout

TOP FEATURES AND BENEFITS

- Reduce time and effort by using automatic placement with pattern replication and design block reuse.
- Integrated with CADSTAR Place and Route Editor for constraint-driven, high-speed routing.
- Fast optimization to improve design routability using automatic gate and pin swap.
- Eliminate project duplication with design variants to drive multiple assemblies from a single project.
- Support for bi-directional exchange with mechanical systems using IDF and DXF.
- ODBC-compliant library with parametric search and version control.
- Support for the latest CAM output formats, including IPC-D-356 and ODB++.
- Automate and streamline your design process in a configurable design environment with macros, report generation utilities and OLE.
- Improve collaboration with mechanical engineering and conduct full 3D verification with Board Modeler Lite using STEP, SAT and IDF.

Introduction

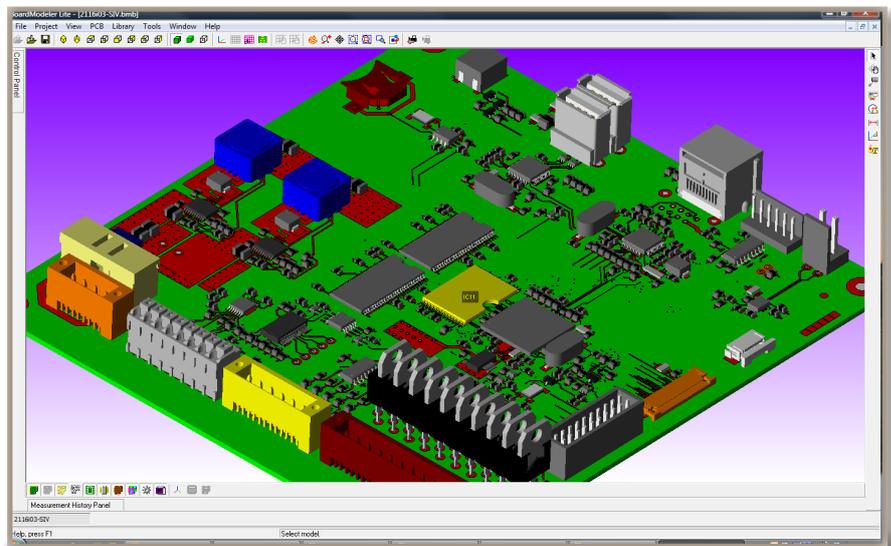
Easy to learn and fast to use, CADSTAR delivers high performance PCB layout to your desktop. From single-sided to complex double-sided, multilayer and SMT designs, CADSTAR PCB Layout has the tools you need to navigate the design process and increase productivity.

CADSTAR offers superior design capability throughout the PCB design flow, from initial schematic through layout, routing, high-speed, signal integrity, power integrity analysis, to full board EMC screening. CADSTAR also includes outputs to drive fabrication, assembly and test of the finished design. As the core element of the CADSTAR High-speed Design suite, PCB Layout provides a fast, error-free design environment that helps you realize your creativity.

Personalized Design Environment

For both the occasional and regular user, CADSTAR offers a powerful user interface with common functions in familiar locations, ensuring you always have the right tool on hand, with properties and extended functionality available from mouse or keyboard assist menus.

CADSTAR offers a flexible solution to meet your design process requirements. With project management features, such as workspaces, you can create your own personalized working environment and manage your design data effectively. The CADSTAR design environment also supports customization by allowing users to create macros to automate repetitive tasks, or take advantage of the OLE environment to implement additional automation to reduce your product development schedule.



3D view of a complete PCB assembly enables accurate verification of the PCB within the enclosure

