

CADSTAR PCB Design Suite

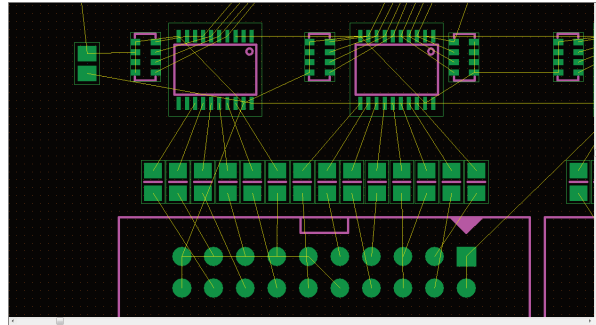
The CADSTAR PCB Design Suite delivers one of the most powerful price/performance solutions in the world of PC-based PCB design.

Total Flexibility for your EDA Environment

As well as offering 'state-of-the-art' PCB design capabilities, the CADSTAR PCB Design Suite provides a broad range of competitively priced tools for schematic capture, EMC/EMI analysis and advanced automatic routing. CADSTAR has superior integration features, providing customers with maximum flexibility in developing their EDA environment.

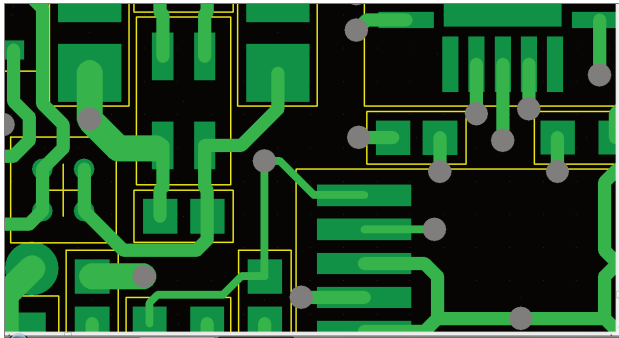
Unleash the Power of CADSTAR

Easy to learn and fast to use, CADSTAR delivers workstation performance on a PC. Features within the CADSTAR toolsets include advanced automatic placement, post-processors for manufacturing and sophisticated library creation suites. From single-sided to complex double-sided, multilayer and SMT designs, the CADSTAR tools will guide you through the design process and dramatically increase your productivity.



Interaction

Whether you are working with the product continuously or occasionally, CADSTAR always feels familiar. In both Schematic Capture and PCB Design Editors, menu items and options for common functions have been placed in the same location, ensuring you always have the right tool to hand. CADSTAR is highly productive, enabling you to process designs through the system faster. A multiple level undo/redo option is provided to ensure critical work is never lost. Right-hand mouse key functionality is available for all commonly used commands. CADSTAR's PCB Design Editor offers a powerful editing suite for the most challenging and complex designs. CADSTAR has been developed with the PCB designer in mind, with everyday tasks made intuitive and often automated.



Personalized Working Environment

Throughout CADSTAR, user-defined function keys and user-configurable toolbars dramatically increase the speed of use as well as allowing the creation of a personalized working environment. Macros further automate repetitive tasks and context sensitive menus simplify command choices, all focused towards saving time, enabling faster product-to-market.

Placement

For designers who like or need to place components by hand,

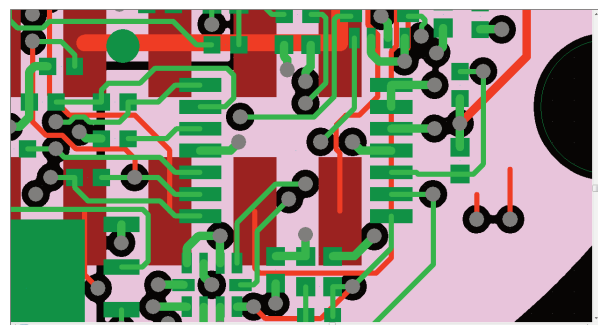
options which emulate the manual process have been incorporated to offer optimum design capabilities. The 'Arrange Components' option allows you to place components around the board outline using one button push, or place components in rows/columns with user-defined criteria. Moving components using the cursor is simply a case of picking and dragging onto the design. Selection for multiple oves or sequences is provided, as is the ability to dynamically optimize the connection length during a move.

Routing

At the heart of CADSTAR's core technology are the CADSTAR Embedded Route Editor and dialog-driven (stand-alone) CADSTAR Route Editor. With complete control over the routing, even the most complex, tightest designs can be routed in the shortest possible time. The latest grid-free, spacial data-structure technology and rules-driven architecture, coupled with ease-of-use, makes CADSTAR a serious productivity tool for design engineers.

Analog Design

With advanced copper filling and split, partial and full copper WYSIWYG power-planes possible, analog design is made easy where precise control is required. These advanced features are incorporated into standard tools which also include curved and mitered cut-outs, hatching with flexible angles and variable spacing. Teardrops, which are user-defined in size, can be placed on tracks, vias and pads, moving and rotating dynamically to maintain intelligent drops of copper. Curved tracks and automatic track fattening complete the professional analog capabilities. Advanced copper pouring facilities allow precise control.



Manufacturing

CADSTAR supports manufacturing output formats for Gerber and extended Gerber RS-274-X, both included at no additional cost. For NC drilling, Excellon, Chinonburg and Seib & Meyer outputs can be created using a user-definable set-up file. CADSTAR supports Windows device drivers, all delivered through a batch driven graphical post-processing option. The DXF format can be output using the post-design processor and the DXF design I/O facility. For assembly machine drivers and detail lists, a unique report generator facility is provided allowing you to customize