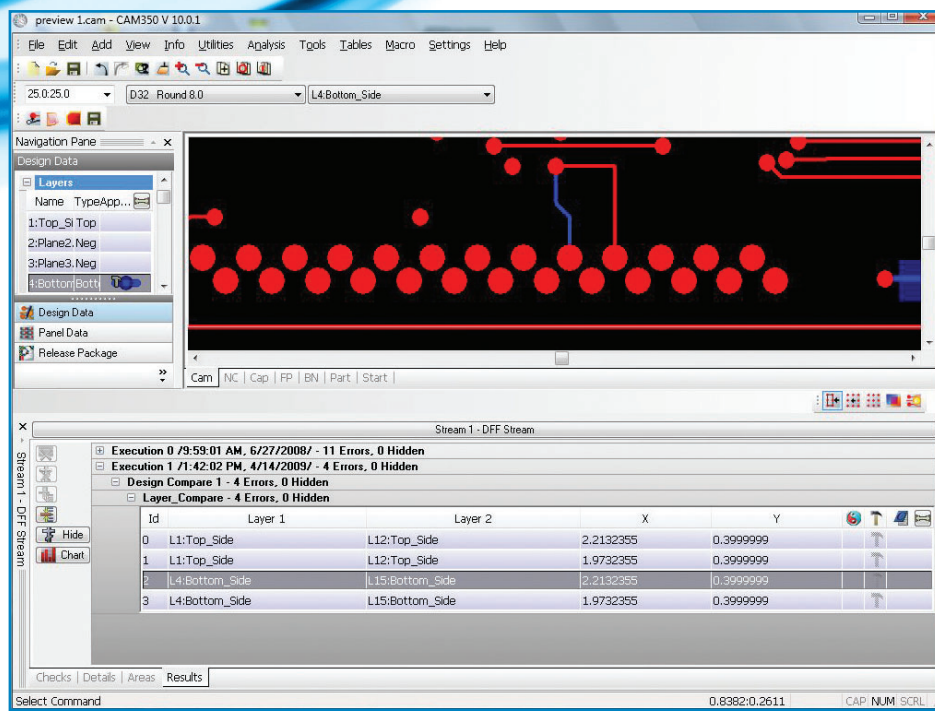


CAM350 Comprehensive Analysis Functionality:

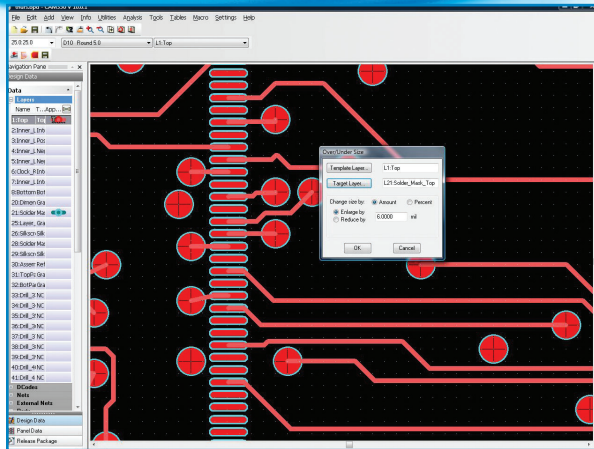
CAM350 provides comprehensive analysis functionality to minimize manufacturing risk and increase output.



Netlist Compare - Verifying that the CAD Netlist matches the one extracted from the Gerber file is crucial to ensuring that the original design intent is maintained. The Netlist Compare functionality in CAM350 minimizes the risk of translation errors by automatically validating the Gerber files match the original CAD data.

Rule Checking - Design rules must be verified to ensure the original design intent has been met. Just as crucial is defining and setting up manufacturing rules and requirements, prior to packaging the design up for fabrication. Rule Checking will perform spacing checks, annular ring checks, spacing histogram, copper area calculations, layer compare, net checks, and more.

Layer Compare - The Layer Compare functionality in CAM350 allows you to graphically compare two layers for differences. You can compare Rev A to Rev B of a particular design, or compare the original artwork to the tooled artwork from the fabricator. This way you can find problems introduced into the design by changes made by the fabricator.

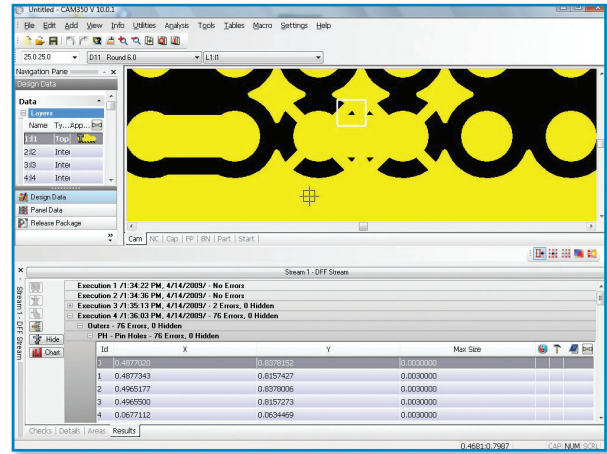


DFF Analysis - DFF performs over 80 essential bare-board analysis checks, including fabrication, silk screen, power and ground, signal layers, drill, soldermask, and many more.

Locate, identify and instantly amend all violations before submitting your design for fabrication. DFF automatically checks for acid traps, soldermask slivers, copper slivers, starved thermals, soldermask coverage, and more. Making sure the Soldermask data is generated using proper clearances, ensuring that there are no potential Solder Bridge conditions, and fixing potential Acid Traps will eliminate bottlenecks in the CAM department of any fabrication shop.

Crossprobing - When using DownStream analysis tools with Crossprobing you are given the ability to ensure your CAD database is kept up to date and accurate at all times. CAM350 can locate design errors, using Rule Checking, DFF, DFM, and Streams, and quickly pinpoint the exact location of those errors in your CAD software. Crossprobing helps you maintain the original CAD database, ensuring it is always an accurate, current source of information.

With Crossprobing, CAM350 can also be used to view intelligent data in the CAD software (components, pins, nets) while at the same time, viewing the corresponding locations as Gerber data in CAM350.



Streams Rule Checking - Streams Rule Checking is designed to streamline the setup, execution, and verification of Design Analysis in CAM350. Run Design Rule (DRC), Design for Manufacturing (DFF, DFM) and Netlist Comparison together in one checklist using StreamsRC. Create, save, and recall multiple "Streams" based on design technology, and/or manufacturing capabilities. Run differing analysis on High Technology areas such as BGA or Wire Bond, and run standard analysis on the rest of the design, all from one "Stream".

You can define as many analysis areas as desired. Errors can be quickly verified by charting the results. You are no longer required to view each individual error. Charting of results allow you to quickly determine what, if any, changes need to be made to the design database.