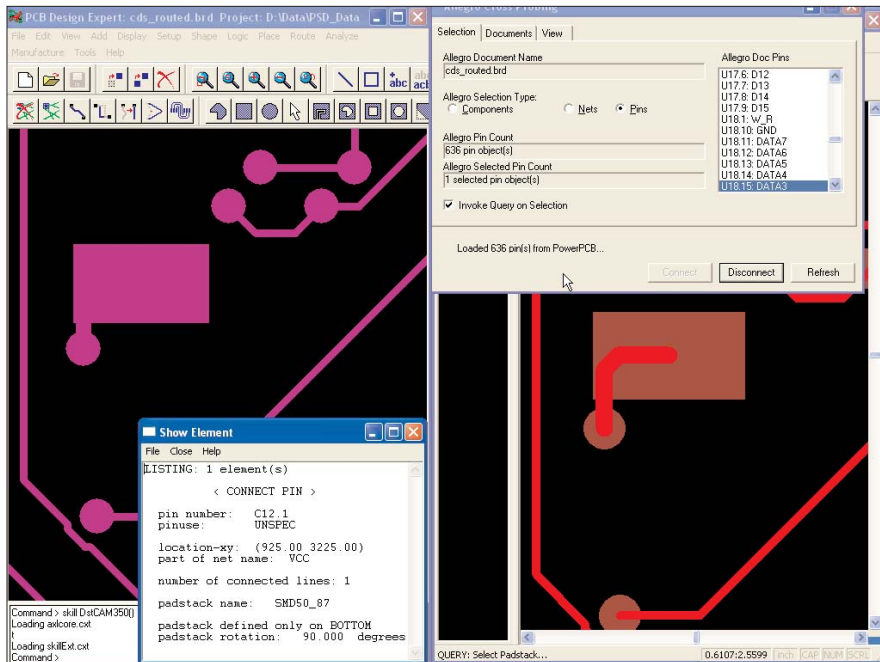


# Crossprobing for Cadence Allegro PCB Layout



Crossprobing functionality announced with CAM350 Release 8.6 closes the gap between engineering and manufacturing by helping PCB designers quickly locate potential discrepancies between design intent (CAD data) and manufacturing outputs (Gerber data).

## Crossprobing for Allegro

CAM350 now features dynamic Crossprobing to Cadence Allegro Windows-based design solution. With this functionality design errors can be highlighted in CAM350 and its location will also be shown in Allegro, allowing the designer to quickly and easily correct the problem. CAM350 can also be used to view intelligent data within Allegro (components, pins, nets) while at the same time, viewing the corresponding locations as Gerber data in CAM350. Key features include:

- Bi-directional zoom/view window location between CAM350 and Allegro
- Window/View synchronization
- Automatic layer displaying and synchronization
- Bi-directional selection of components, pins and nets
- DRC/DFF error identification from CAM350 is identified in Allegro
- Crossprobing between intelligent CAD file and unintelligent Gerber data

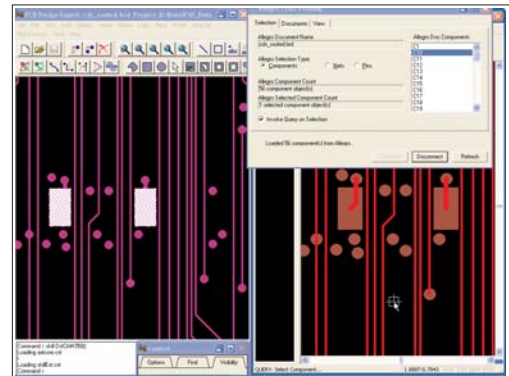
# Crossprobing for Cadence Allegro PCB Layout

## In Summary

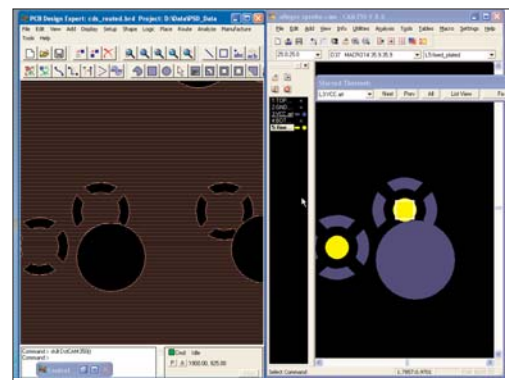
Crossprobing allows users to coordinate fabrication errors found using CAM350 with the physical layout tool (in this case Cadence Allegro) through a dynamic link, to ensure errors can be properly corrected. It works with CAM350's Design Rule Check (DRC), Design For Fabrication (DFF), and Netlist Compare functions.

Users can select an error found in CAM350 and the Crossprobing function will automatically zoom to the corresponding location in the physical layout and turn on the proper layers. Likewise, for analyzing standard Gerber files in CAM350, users can select components, component pins, or nets in Allegro and the Crossprobing function will zoom to the corresponding location in the CAM350 Gerber display. This essentially adds intelligence to otherwise unintelligent Gerber files.

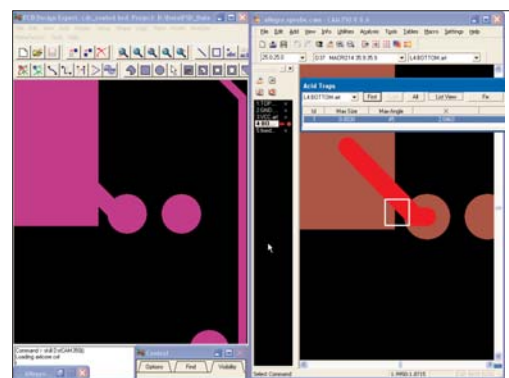
The Crossprobing function greatly aids the user in ensuring that designs can be manufactured, and thereby ensures that companies can meet their time-to-volume production goals. The amount of time saved is critical and as a result competitive advantage is strengthened.



Crossprobing a Component



Crossprobing a DFF Error



Crossprobing a DFF Error