

Mentor Graphics, 2014 SKO Presentation_ID.scr

xPCB Environment - Toolbars

- □ Refreshed Interface with Personalization
- □ Enhanced Display control
- □ Select Mode
- □ Context Sensitive menus
- Hover Highlight

xpedition.

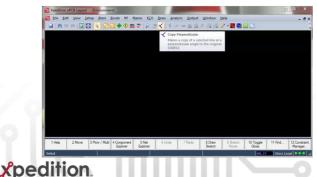




xPCB Environment - Toolbars

Many of the toolbar icons contain tooltips to help understand usage

- □ Animations provide a brief video showing how to use the command.
- □ Quick-key commands are also display within the tooltip.





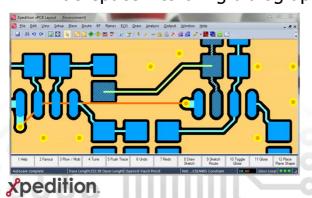




xPCB Environment – Keyin Commands

The Key-in command editor window will now appear when any command is typed-in using the keyboard.

- □ Entering any letter will bring a list of potential commands up.
- □ <Backspace> to bring dialog up





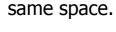




xPCB Environment – Auto Hide and Tabbing

Auto hide and Tabbing of dialogs has been enhanced to help optimize the layout workspace.

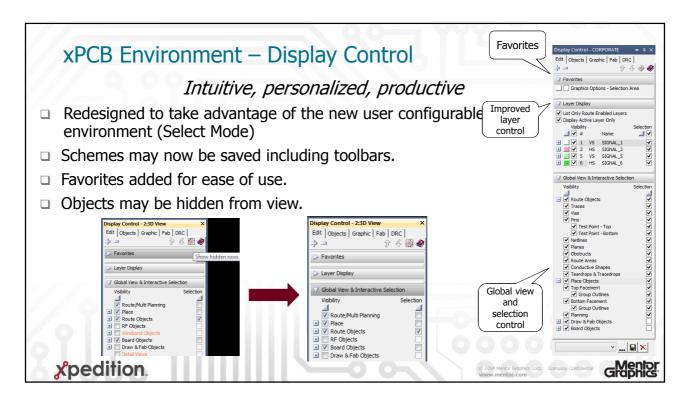
- □ Auto hide allows the user to dock a dialog and have it close by simply repositioning the mouse cursor in layout.
- □ Dialog tabbing allows for the combination of dialogs within the

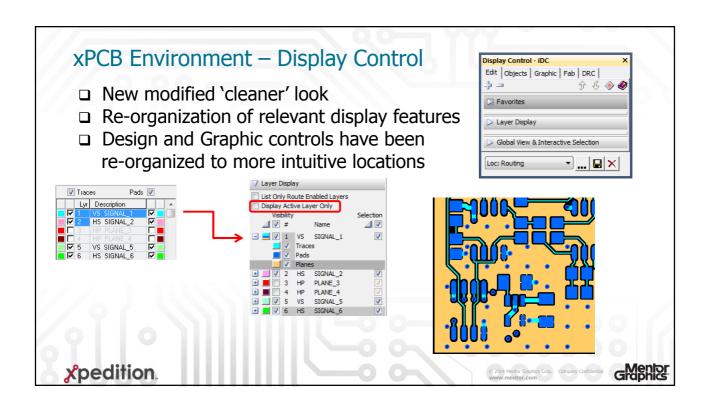


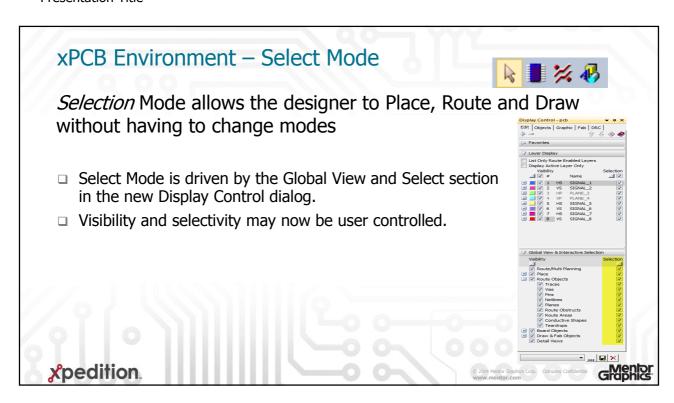


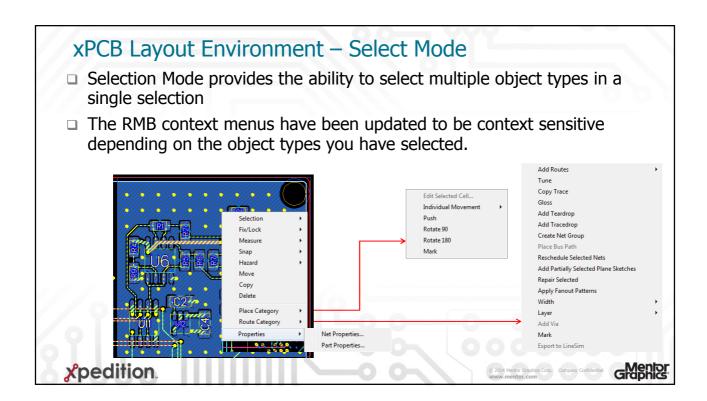


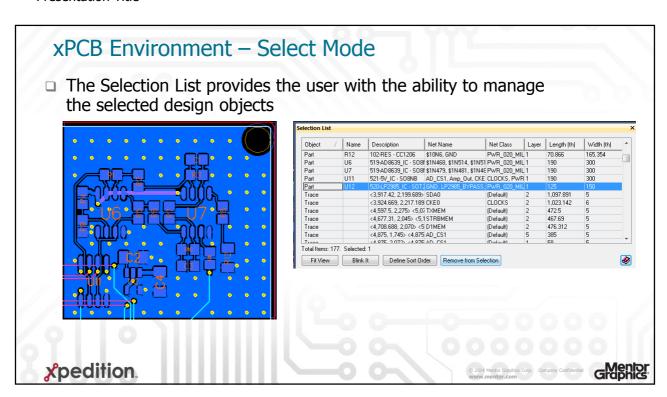


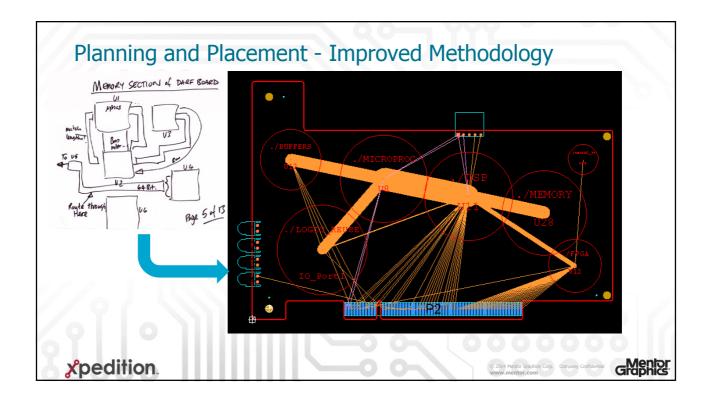




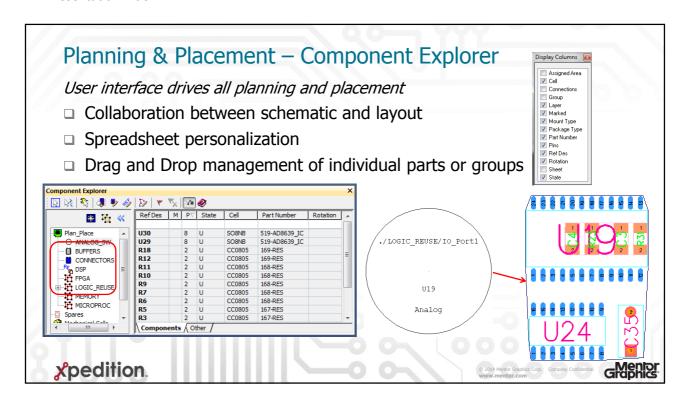


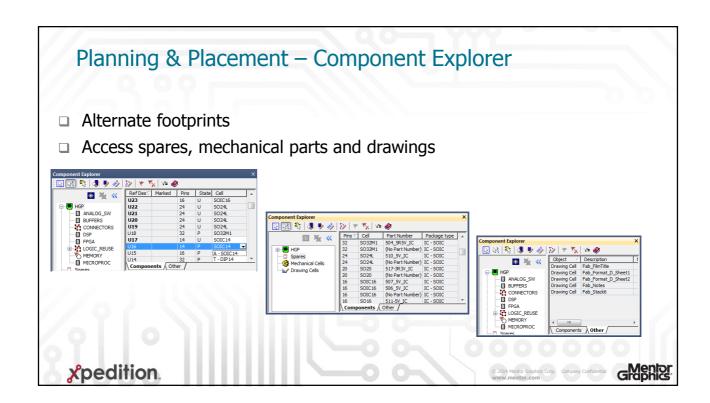




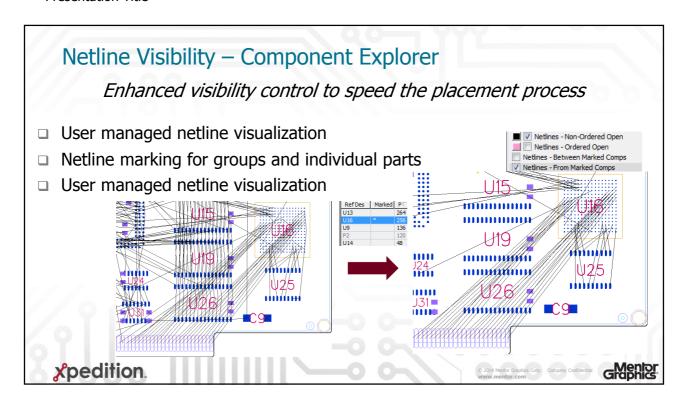


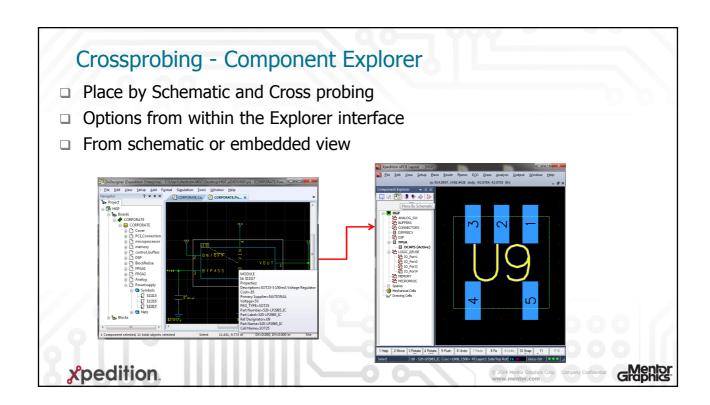




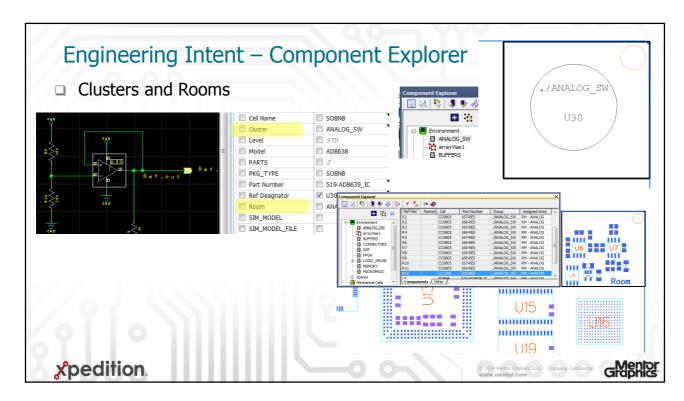


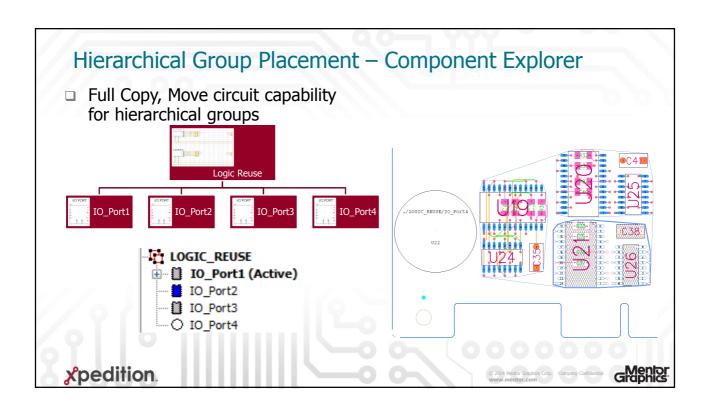






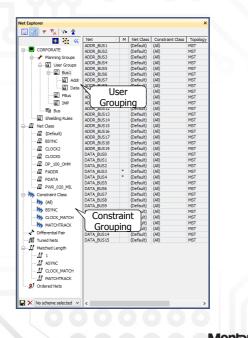




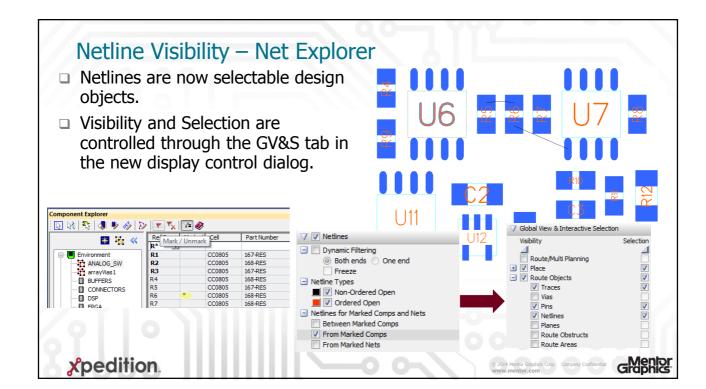


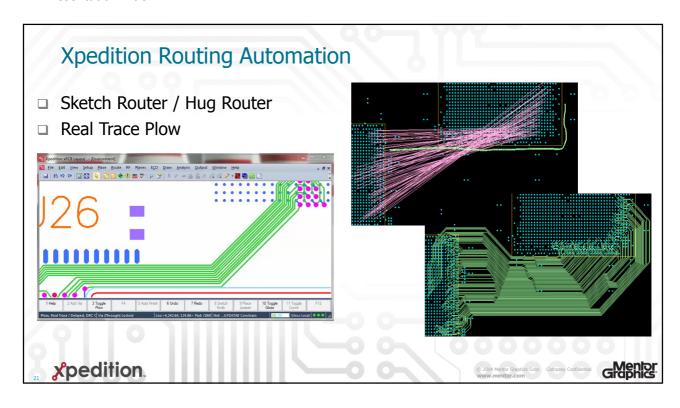
Net Explorer

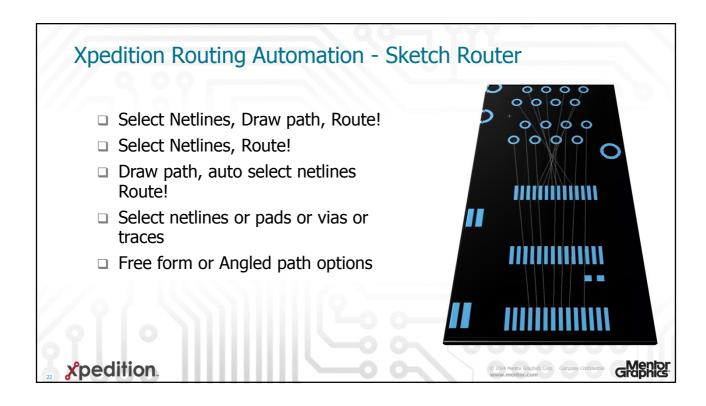
- Net Explorer allows a designer to get quick access to the engineer's intent via constraint grouping as well as designer based Groupings of nets to help organize planning strategies
 - Navigator view allows the creation and management of user groups as well as showing nets organized by constraints
 - List view displays all nets based on selected user or constraint grouping
 - Full cross probing between GUI and/or graphics

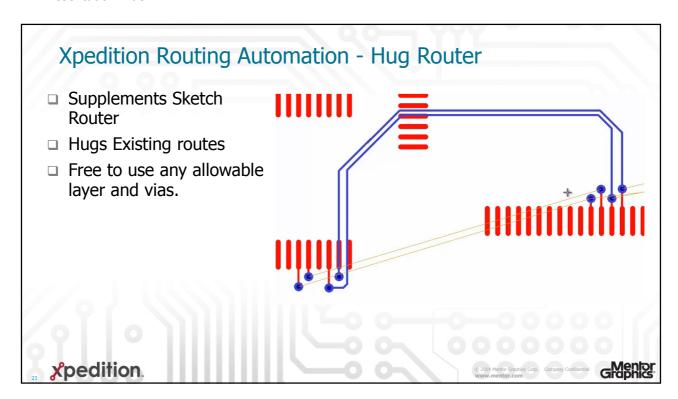


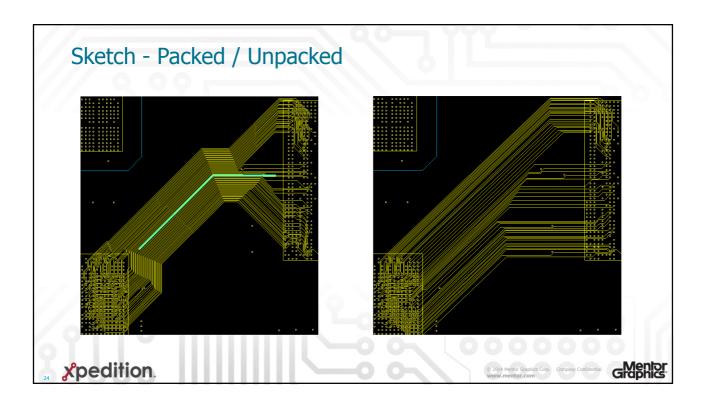






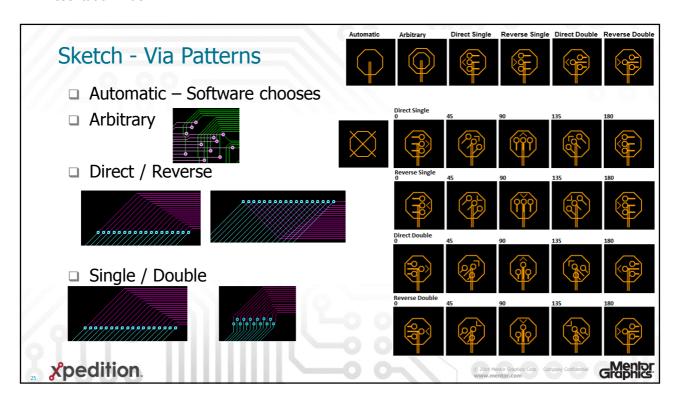


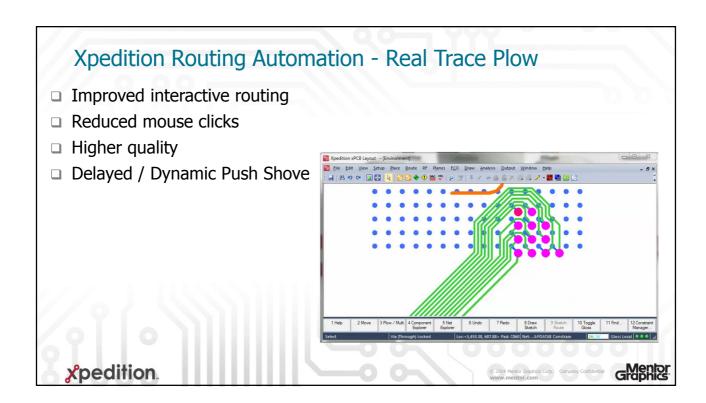


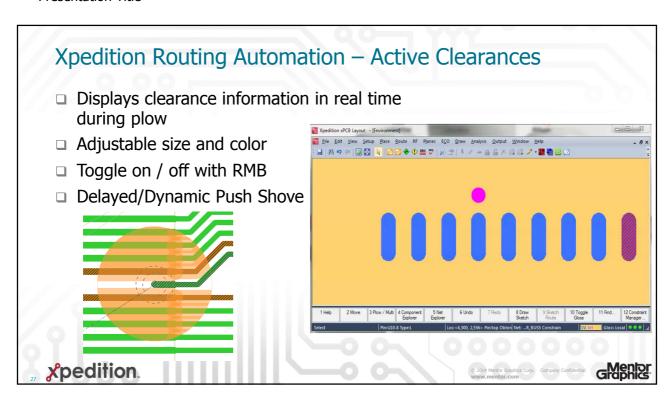


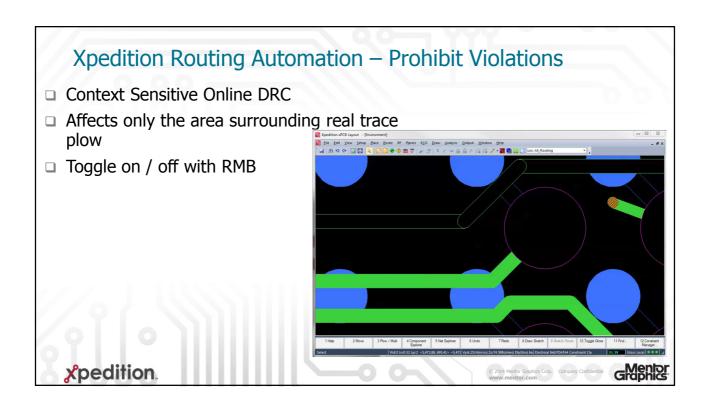
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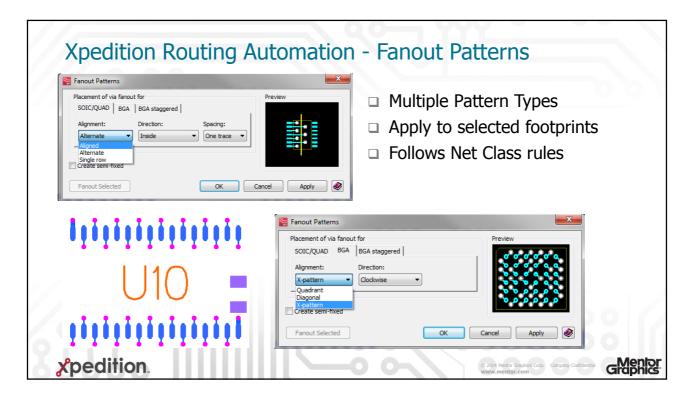


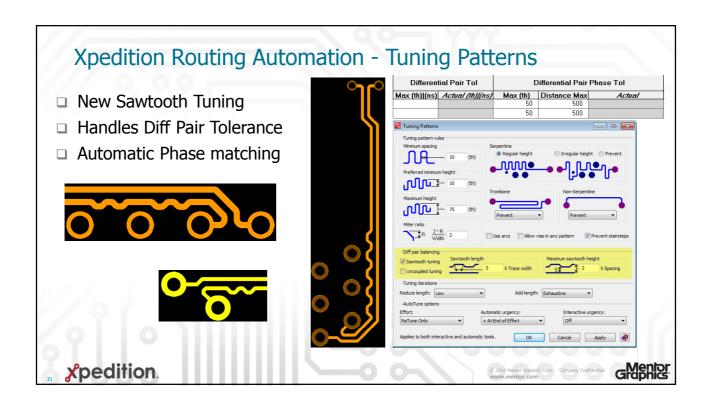














Why 3D In PCB Design?

■ Reduces PCB → MCAD design iterations



Eliminates problems found late in a design cycle



■ Improves collaboration via 3D visualization



Enriches visualization for complicated structures



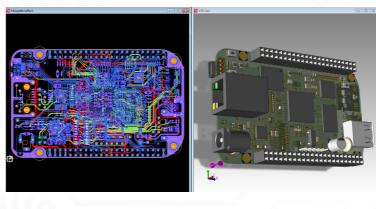
xpedition.





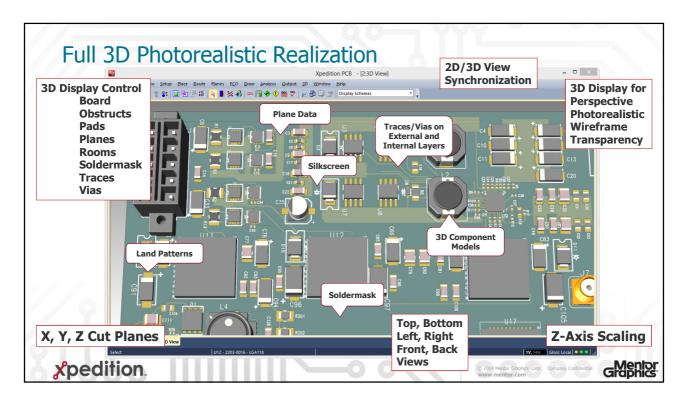
Introducing Xpedition 3D

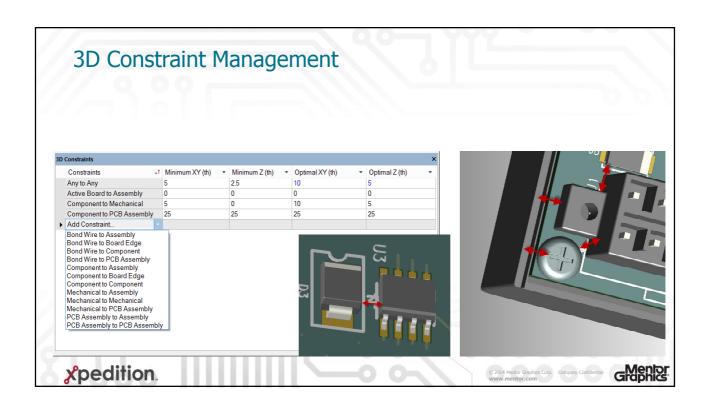
- True parametric 3D mechanical kernel
- Enterprise library, design and mechanical support
- 3D model library with over 4.4M manufacturing parts
- Photorealistic visualization
- 3D constraints with dynamic validation











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3D Constraint Validation

- Xpedition 3D includes dynamic, online, and batch DRC
 - Dynamic collision detection
 - Full batch 3D DRC
 - Minimum and optimal constraint ranges
 - Independent XY & Z rules
 - 3D instance rule over-ride

