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# Quick Reference Guide to OrCAD X Presto Interface and Commands

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## OrCAD X Presto Display Functions

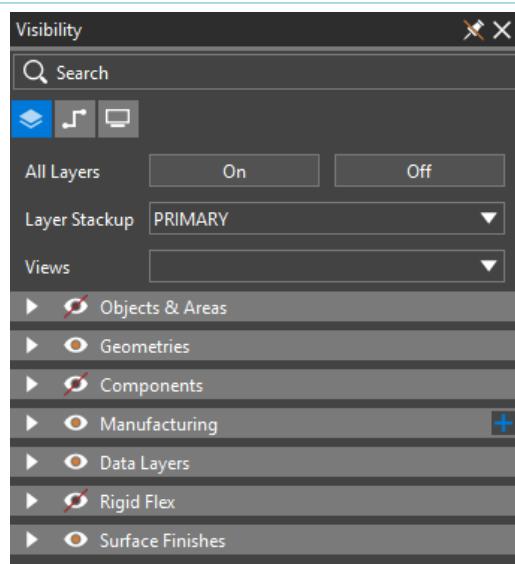
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### Layout Display Functions in OrCAD X Presto

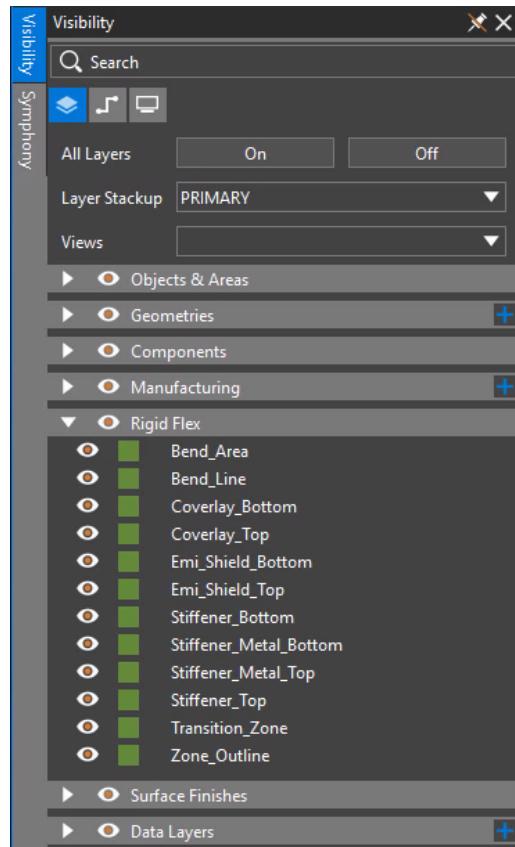
Function	Access	Description
Set visibility of objects, components, layers, and more.	<b>Menu Path:</b> <i>View – Panels – Visibility</i>	Specify visibility for objects and areas, geometries, components, materials, and finishes.

## Quick Reference Guide to OrCAD X Presto Interface and Commands

### OrCAD X Presto Display Functions



Click the triangle icon to expand that item in the panel, as *Rigid Flex*, following:



Show or hide data layers

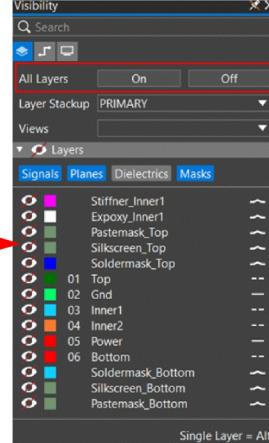
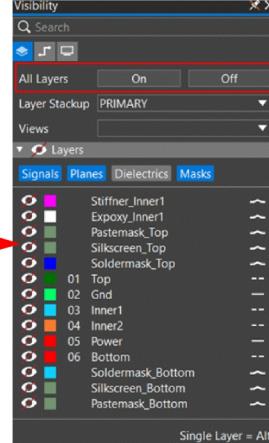
Data Layers Toolbar

Use the *All* button to show or hide all the layers.

## Quick Reference Guide to OrCAD X Presto Interface and Commands

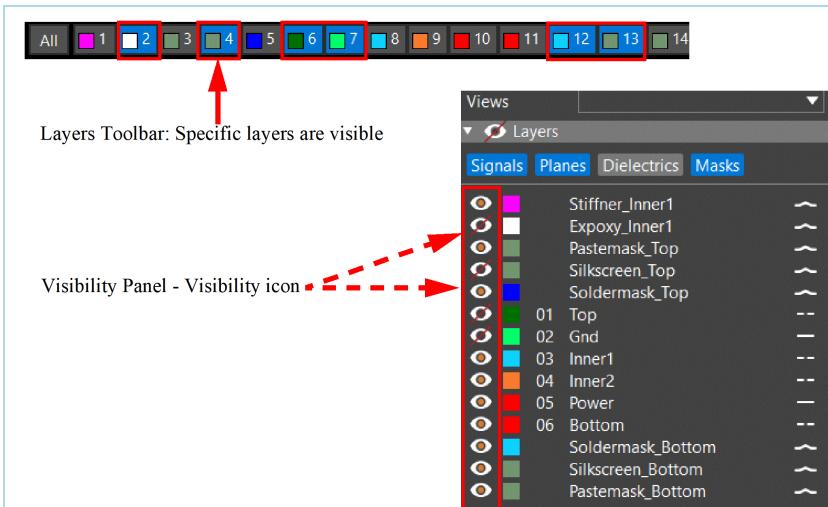
### OrCAD X Presto Display Functions

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<p><b>Visibility Panel – Data Layers pane</b></p> <p><b>Menu Path:</b> View – Panels – Visibility – Data Layers pane</p> 	<p>To display the <i>Data Layers</i> pane, click the <i>Layers</i> icon in the <i>Visibility</i> panel.</p>  <p>Click the <i>On</i> or <i>Off</i> buttons for <i>All Layers</i> to show or hide all the layers.</p>
<p><b>Layers Toolbar: All layers are visible</b></p>  <p><b>Visibility Panel</b></p> 	<p>Show or hide specific layers</p> <p><b>Data Layers Toolbar</b></p> <p>Click a specific layer to show or hide it.</p> <p><b>Menu Path:</b> View – Panels – Visibility – Data Layers pane</p> <p>Click the visibility icon (eye symbol, immediately following) to show Data Layers toolbar to toggle layers on or off.</p> 

## Quick Reference Guide to OrCAD X Presto Interface and Commands

### OrCAD X Presto Display Functions



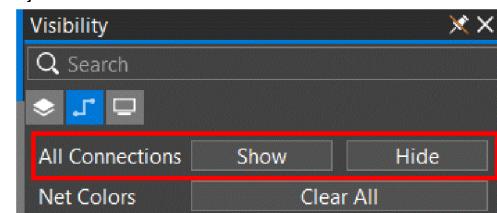
Show or hide all rat connections

Visibility Panel – Nets pane

To display the *Nets* pane, click the *Nets* icon in the *Visibility* panel.

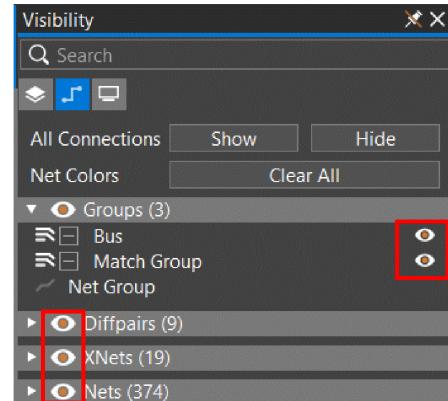


Click the *Show* or *Hide* buttons for *All Connections* to toggle the display of objects in all the sub sections.



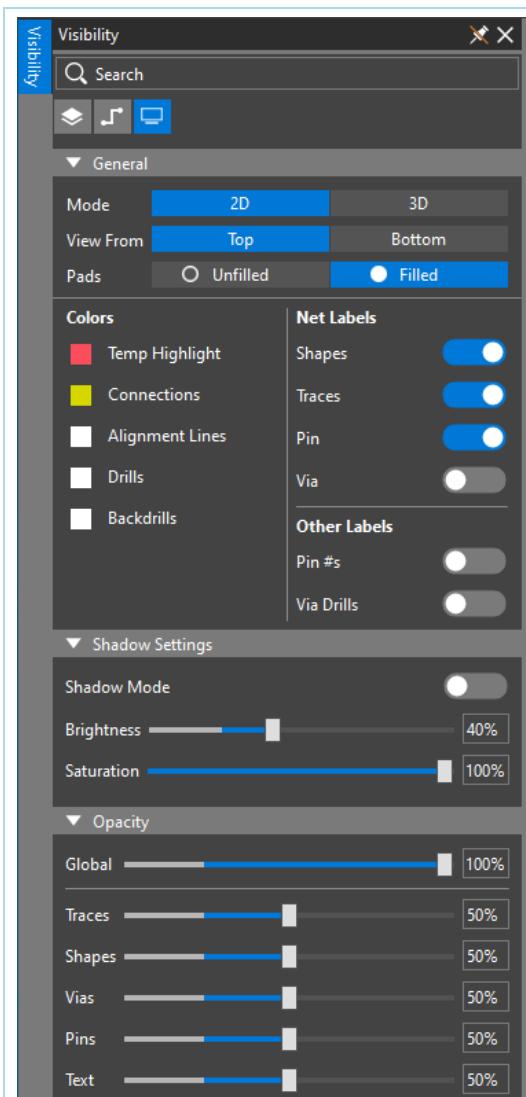
## Quick Reference Guide to OrCAD X Presto Interface and Commands

### OrCAD X Presto Display Functions

Show or hide rat connections for selected object(s)	<i>Visibility Panel – Nets pane</i>	Click the visibility icon (eye symbol) to show or hide rat connections
		

## Quick Reference Guide to OrCAD X Presto Interface and Commands

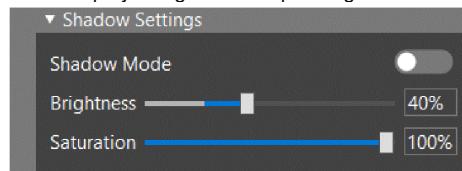
### OrCAD X Presto Display Functions



Enable Shadow mode

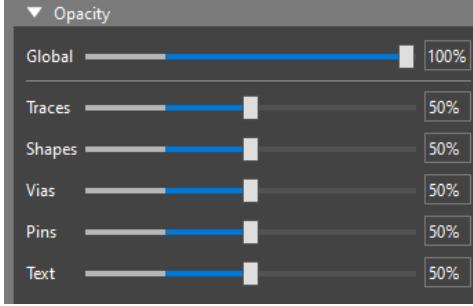
Visibility Panel – Display pane – Mode 2D:  
Shadow Settings section

Click the *Shadow Mode* toggle to enable or disable the shadow mode canvas display using the corresponding slider bar.



**Quick Reference Guide to OrCAD X Presto Interface and Commands**  
**OrCAD X Presto Display Functions**

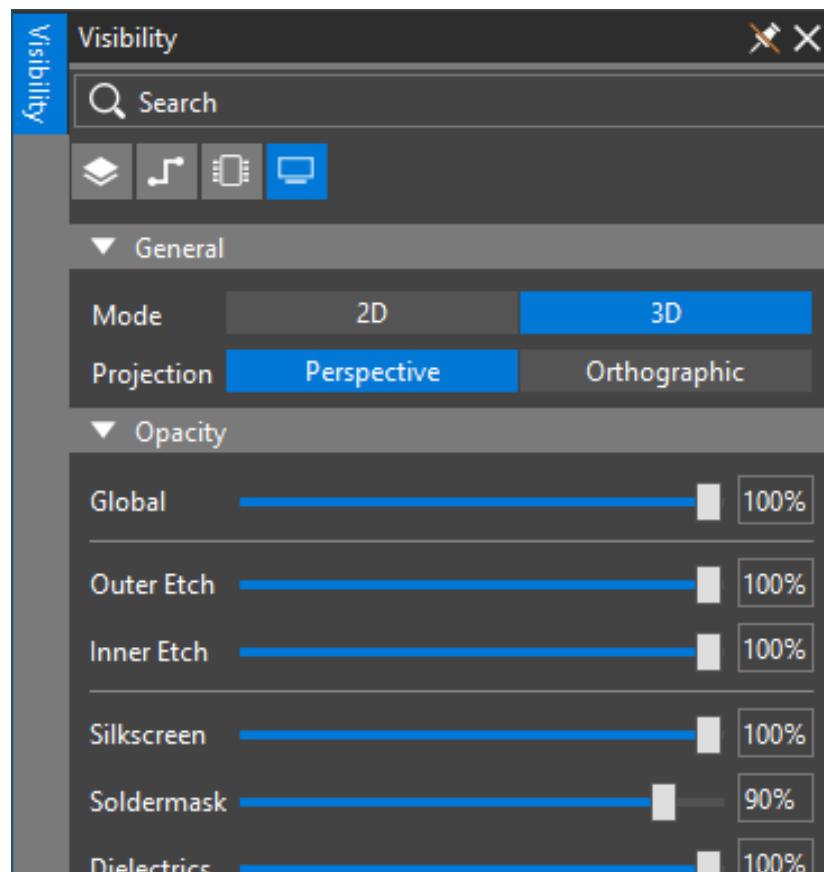
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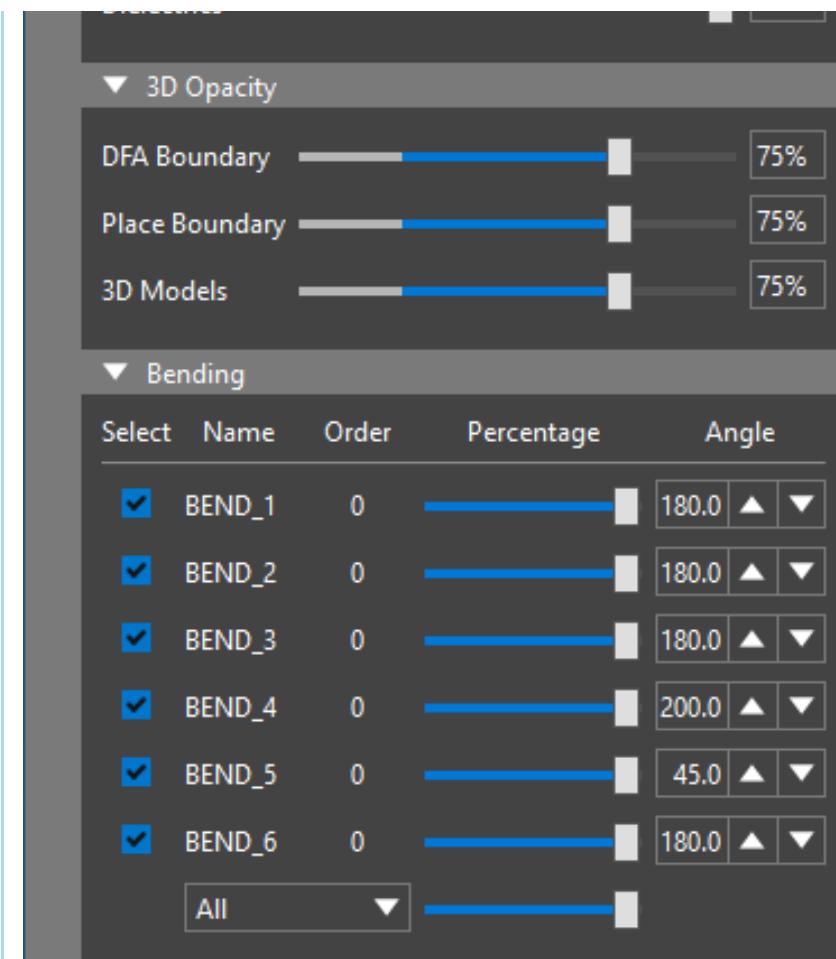
Change the opacity of canvas elements	<i>Visibility Panel – Display pane – Mode 2D: Opacity section</i>	Change the opacity of various objects on the canvas using the slide 
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# OrCAD X Presto 3D Display Options

## 3D Display Options in OrCAD X Presto

Function	Access	Description
Switch to 3D mode	Visibility Panel – <i>Display</i> pane	In the same way that you can choose 2D display settings, you can edit 3D settings. Open the <i>Display</i> pane, and click the <i>Display</i> icon in the <i>Visibility</i> panel.    Click the <i>3D</i> button for <i>Mode</i> to switch to the 3D mode.



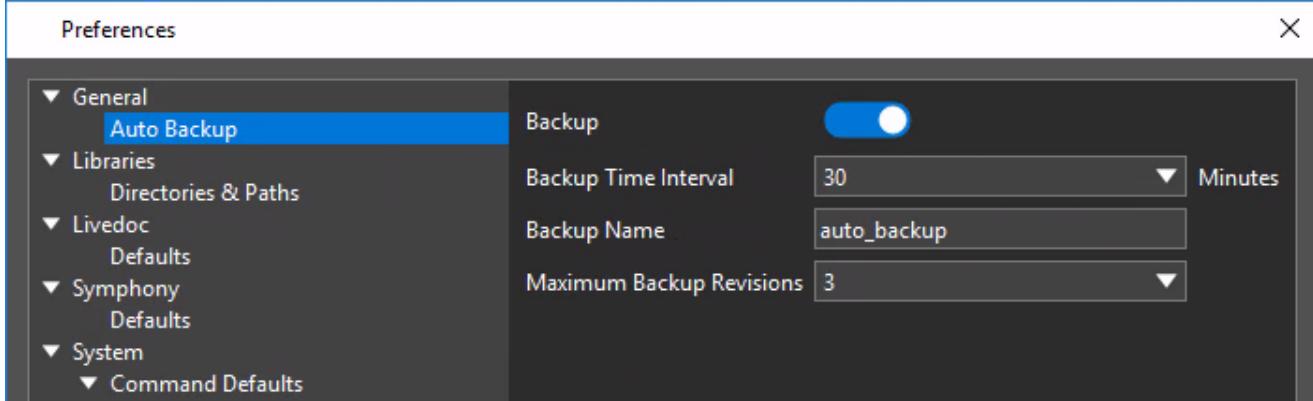


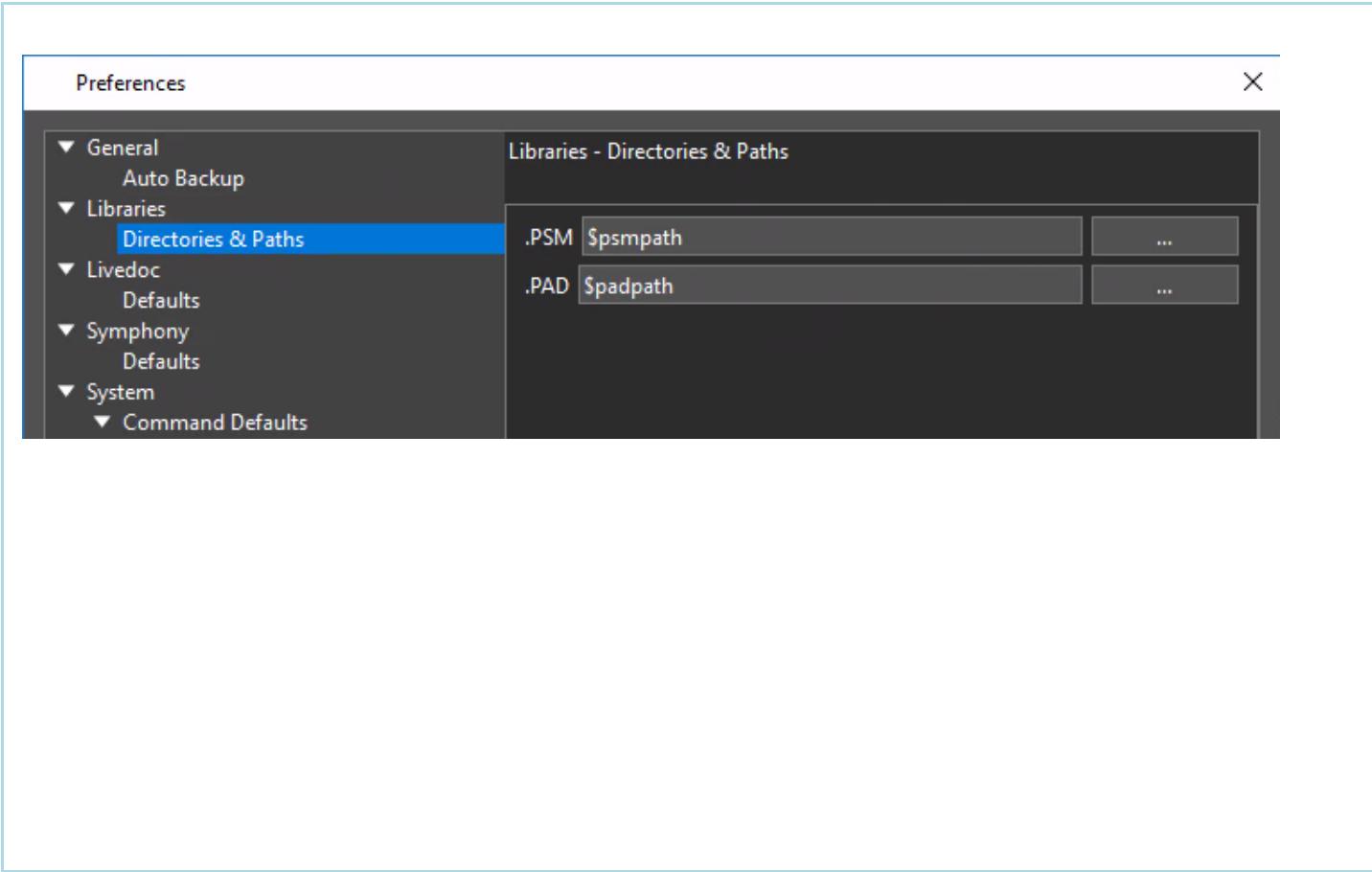
Change Projection	<p><i>Visibility Panel – Mode 3D Click Perspective or Orthographic to change the projection.</i></p>	<p>The default display of the design in the 3D mode is the zoomed-fit Perspective projection.</p> <p>The image shows the 'Visibility' panel with a 'Mode' dropdown menu. The '3D' option is highlighted with a red box and an arrow pointing to it from the text 'Switch to 3D Mode'. The 'Perspective' and 'Orthographic' options are also visible.</p>
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Display models, and place and DFA bound shapes	<i>Visibility Panel – Component pane</i> (Mode 3D)	Select <i>Model</i> , <i>Place</i> , or <i>DFA</i> to display the corresponding shapes.
Change the opacity of 3D shapes	<i>Visibility Panel – Display pane</i> (Mode 3D) – 3D Opacity	Change the opacity of various objects using the slider bars.

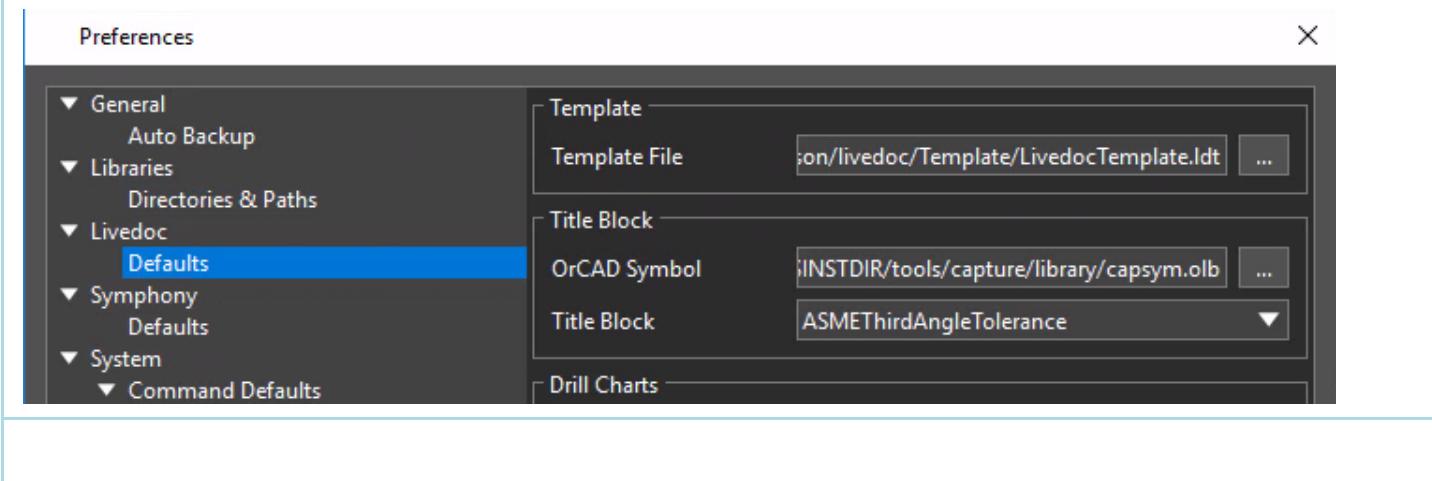
# OrCAD X Presto Project Setup Functions

## Project Setup Functions in OrCAD X Presto

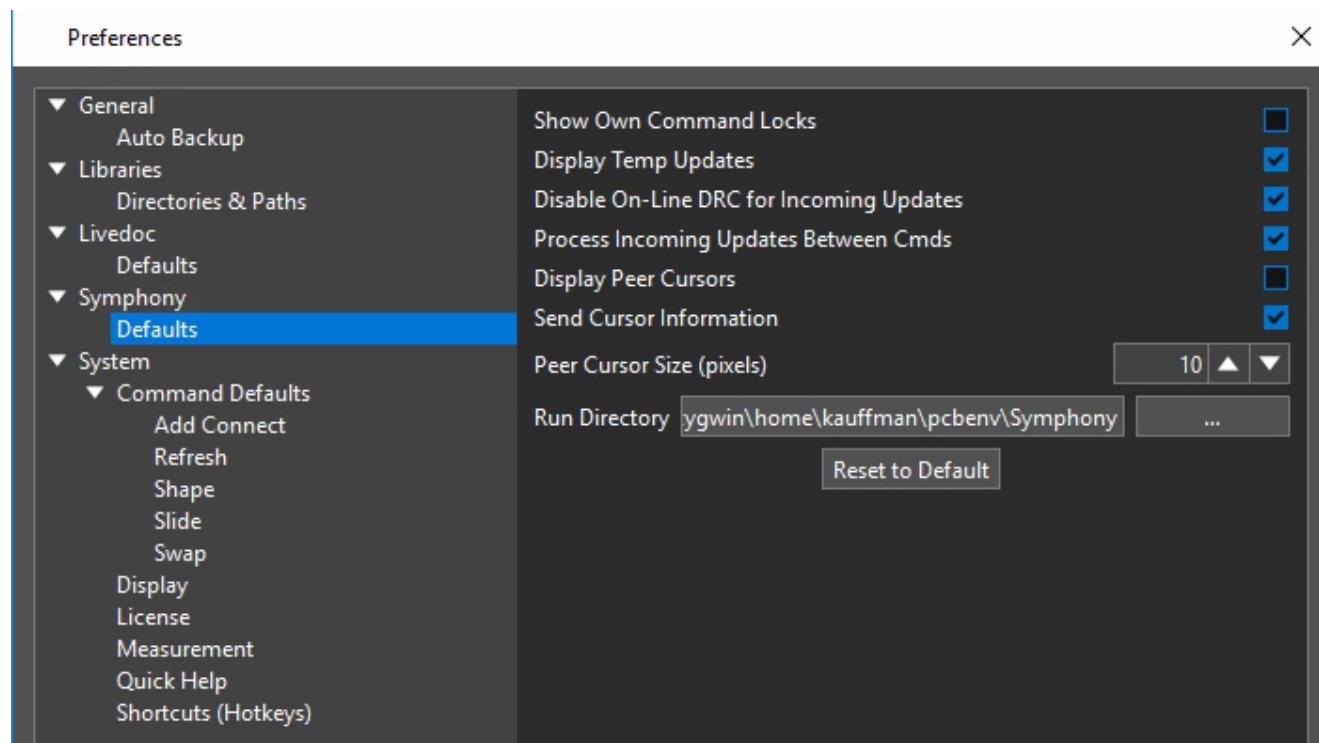
Function	Access	Description
Set auto backup cadence	<b>Menu Path:</b> <i>Edit – Preferences</i>	Specify in the <i>General – Auto Backup</i> section of the <i>Preferences</i> dialog box the interval at which OrCAD saves your work, the filename, and how many revisions it keeps.
		
Set up library path	<b>Menu Path:</b> <i>Edit – Preferences</i>	Specify the PSM and PAD paths in the <i>Libraries – Directories &amp; Paths</i> section of the <i>Preferences</i> dialog box.

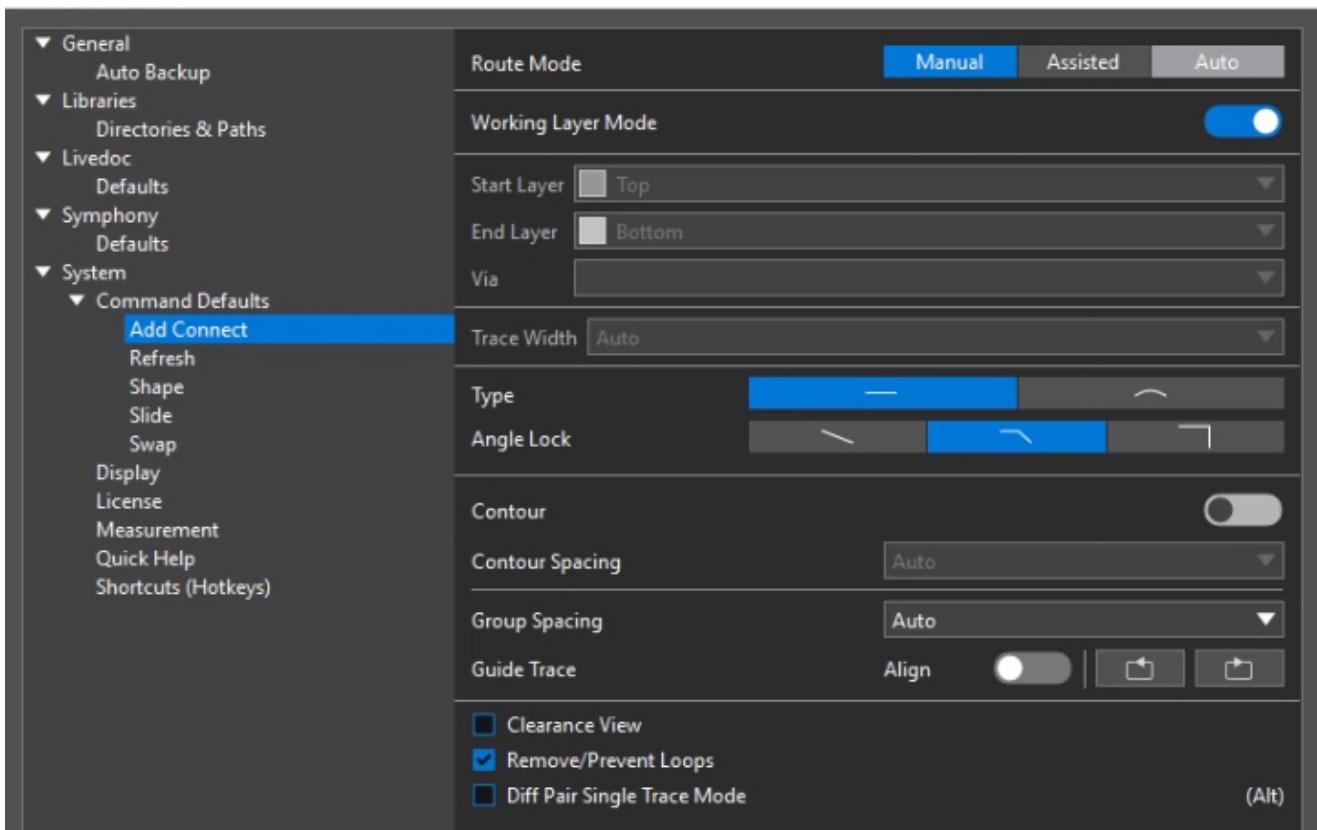


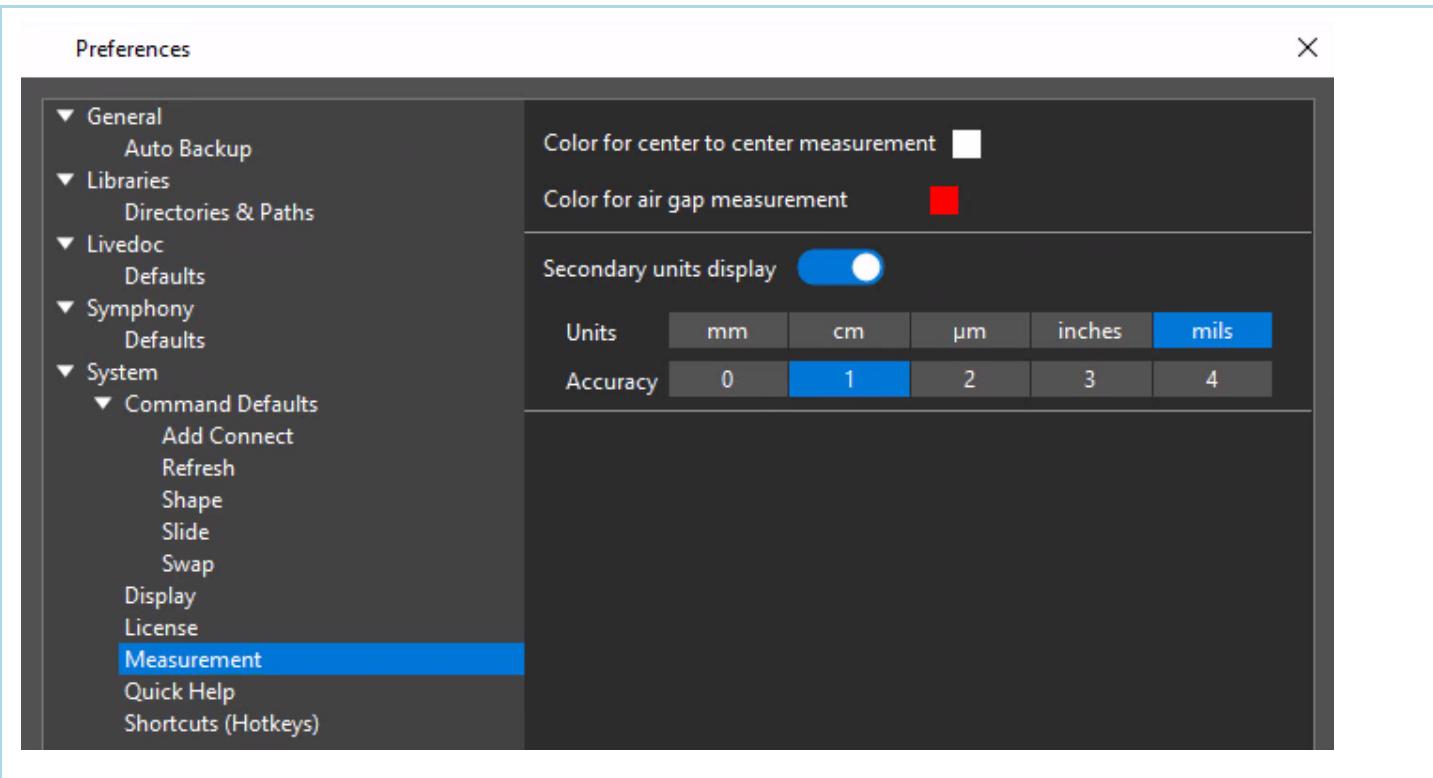
Set LiveDoc preferences	<b>Menu Path:</b> <i>Edit – Preferences</i>	Specify in the <i>Livedoc – Defaults</i> section of the <i>Preferences</i> dialog box the LiveDoc template file, title block, drill charts, and dimensions.
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Set Symphony preferences	<b>Menu Path:</b> <i>Edit – Preferences</i>	Use the <i>Symphony – Defaults</i> section of the <i>Preferences</i> dialog box to specify preferences as follows.
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Set command defaults	<b>Menu Path:</b> <i>Edit – Preferences</i>	Use the <i>System – Command Defaults</i> section of the <i>Preferences</i> dialog box to specify the following: Add Connect, Refresh, Shape, Slide, and Swap. For example, the <i>Add Connect</i> dialog choices are as follows:
		
Set license mode	<b>Menu Path:</b> <i>Edit – Preferences</i>	Use the <i>System – Command Defaults</i> section of the <i>Preferences</i> dialog box to specify your license server, or your single use license.
Set measurement preferences	<b>Menu Path:</b> <i>Edit – Preferences</i>	Use the <i>System – Measurement</i> section of the <i>Preferences</i> dialog box to specify the appearance of measurements.



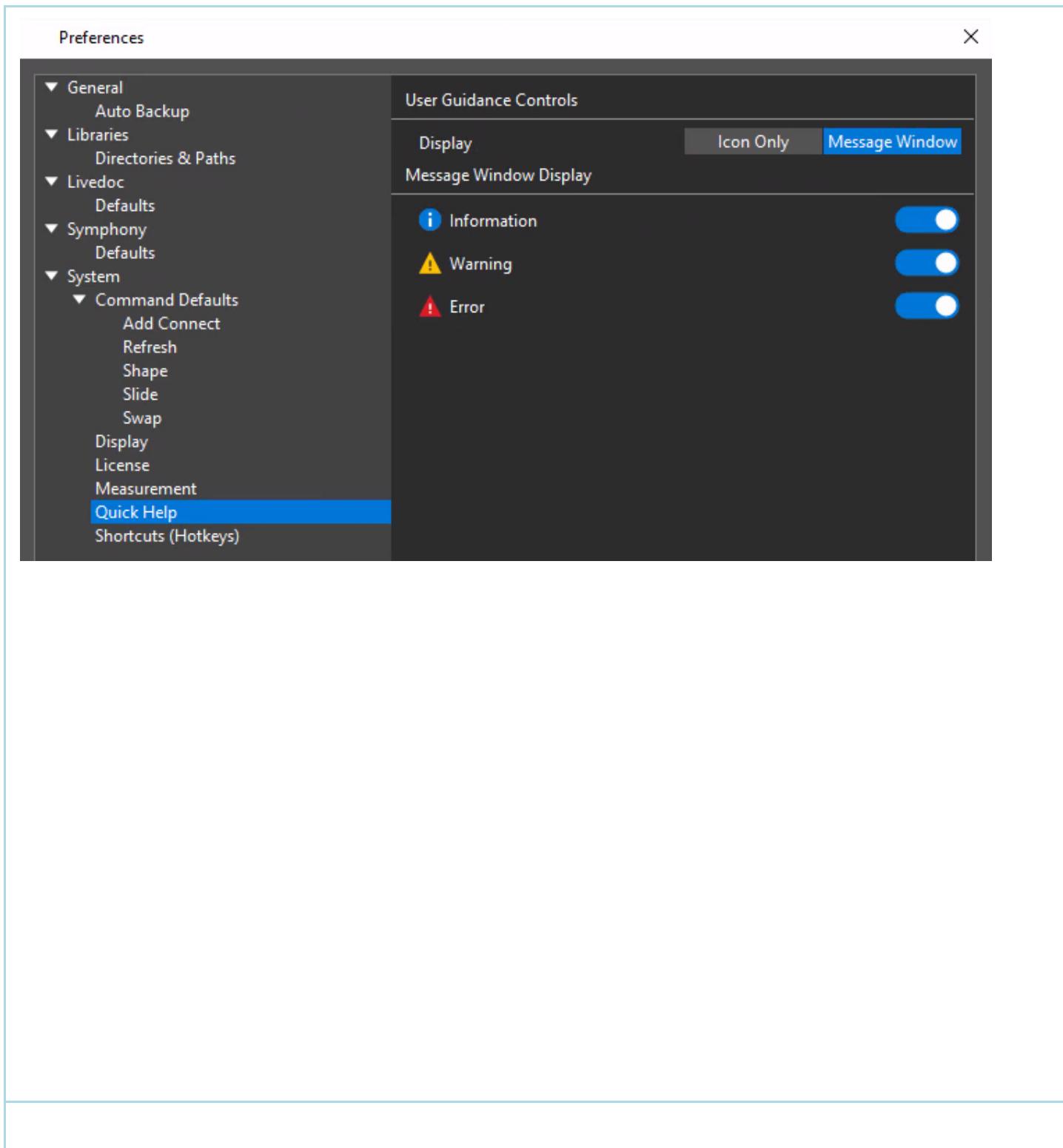
The screenshot shows the 'Preferences' dialog box with the 'Measurement' section selected. The left sidebar lists categories like General, Libraries, Livedoc, Symphony, System, and Command Defaults. Under 'Command Defaults', 'Measurement' is highlighted. The main panel displays settings for measurement colors (center to center and air gap), secondary units display (toggle switch), units (mm, cm, μm, inches, mils), and accuracy (0, 1, 2, 3, 4).

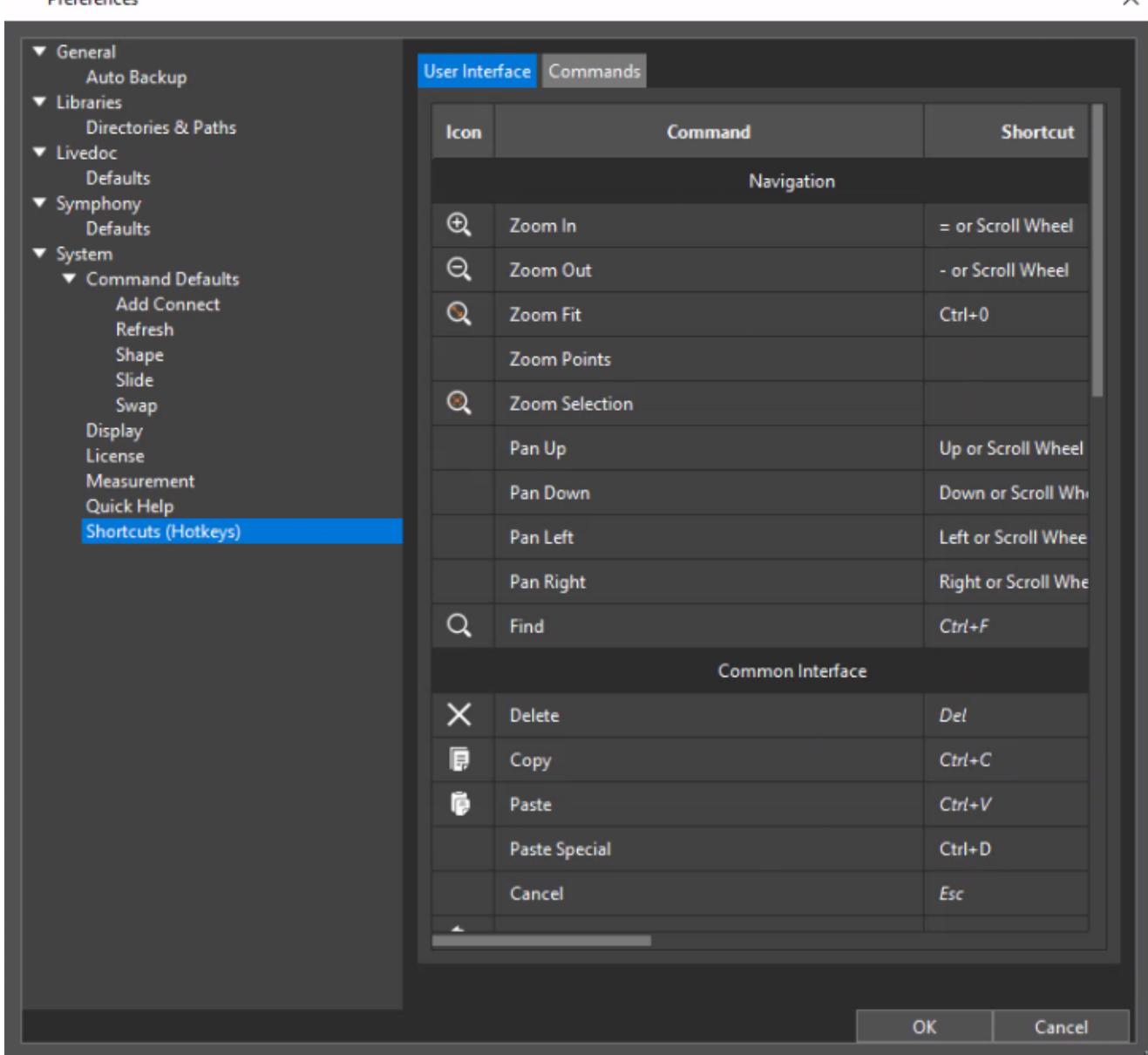
Units	mm	cm	μm	inches	mils
Accuracy	0	1	2	3	4

Accuracy	0	1	2	3	4
Units	mm	cm	μm	inches	mils

Set quick help preferences    **Menu Path:** *Edit – Preferences*    Use the *System – Quick Help* section of the *Preferences* dialog box to specify how Quick Help appears.

**Quick Reference Guide to OrCAD X Presto Interface and Commands**  
OrCAD X Presto Project Setup Functions

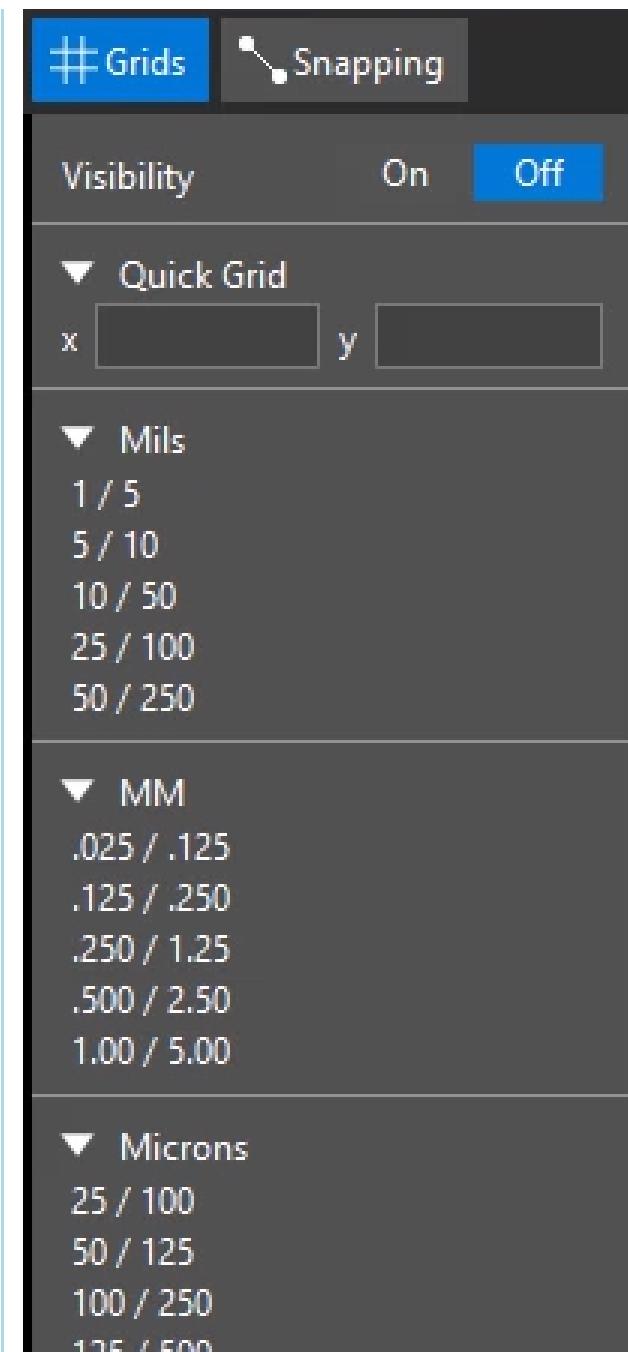


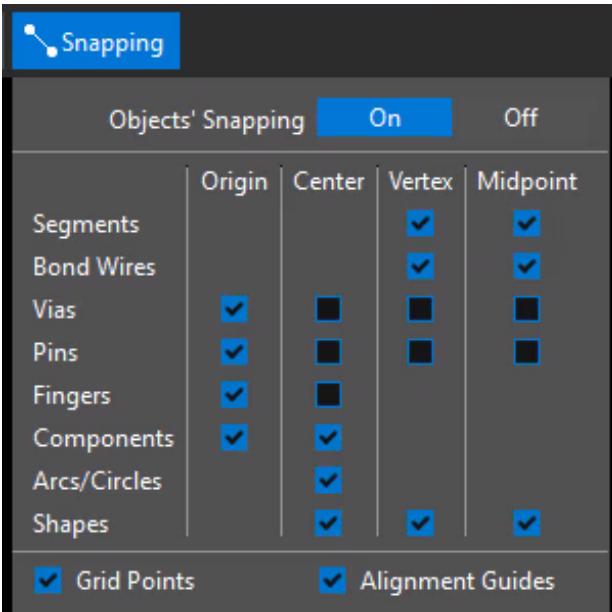
Configure keyboard shortcuts (hot keys)	<b>Menu Path:</b> <i>Edit – Preferences</i>	Specify keyboard shortcuts for user interface actions and other commands in the <i>System – Shortcuts (Hotkeys)</i> section of the <i>Preferences</i> dialog box.
 <p>The screenshot shows the 'User Interface' tab of the 'Shortcuts (Hotkeys)' section in the Preferences dialog. The left sidebar lists categories like General, Libraries, Livedoc, Symphony, and System. Under System, 'Command Defaults' is expanded to show options like Add Connect, Refresh, Shape, Slide, Swap, Display, License, Measurement, and Quick Help. The 'Shortcuts (Hotkeys)' item is highlighted with a blue selection bar. The main area displays two tables: 'Navigation' and 'Common Interface'. The 'Navigation' table includes rows for Zoom In, Zoom Out, Zoom Fit, Zoom Points, Zoom Selection, Pan Up, Pan Down, Pan Left, Pan Right, and Find. The 'Common Interface' table includes rows for Delete, Copy, Paste, Paste Special, and Cancel. Buttons for OK and Cancel are at the bottom right.</p>		

Set up grids	<b>Grids pane</b>	Click the #Grid tab on the upper-left corner of the canvas to display the <i>Grids</i> pane.
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- Click the *On* or *Off* buttons for Visibility to display or hide the grids.
- Choose from the predefined grid values in `Mils`, `MM`, or `Microns` or manually specify the `x` and `y` values in the *Quick Grid* field.

All the values are session specific.



Enable object Snapping	<b>Snapping pane</b>	<p>Click the <i>Snapping</i> tab on the upper-left corner of the canvas to display the <i>Snapping</i> pane. Specifies whether the connection snaps to the connect point if it is close to a target element.</p> <ul style="list-style-type: none"><li>Click the <i>On</i> or <i>Off</i> buttons for <i>Objects' Snapping</i> to enable or disable object snapping on the canvas.</li><li>Select or deselect the check boxes as required.</li></ul> <p>Priority of snapping is considered from upper left to lower right of the <i>Snapping</i> pane if the check boxes for multiple objects are selected.</p>  <table border="1"><thead><tr><th></th><th>Origin</th><th>Center</th><th>Vertex</th><th>Midpoint</th></tr></thead><tbody><tr><td>Segments</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Bond Wires</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Vias</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Pins</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Fingers</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Components</td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Arcs/Circles</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Shapes</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr></tbody></table> <p><input checked="" type="checkbox"/> Grid Points      <input checked="" type="checkbox"/> Alignment Guides</p>		Origin	Center	Vertex	Midpoint	Segments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bond Wires	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vias	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fingers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Components	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Arcs/Circles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shapes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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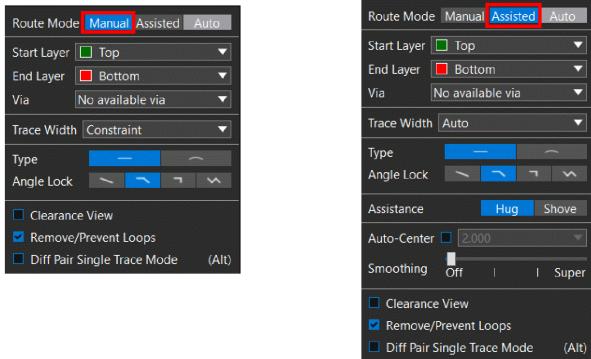
## OrCAD X Presto Layout Commands

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### Layout Commands in OrCAD X Presto

Function	Access	Description
Add connect	<b>Functional Toolbar:</b> Click the <i>Add Connect</i> icon. 	Route a single connection and differential pairs.

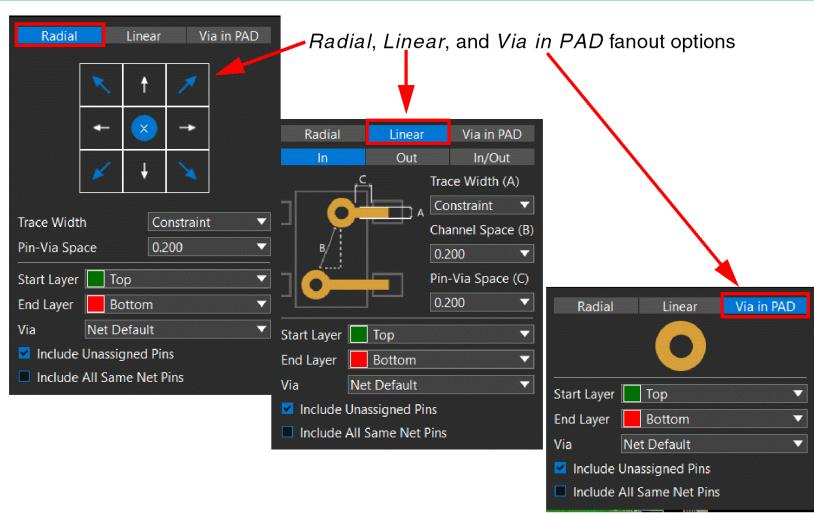
Route options in the *Manual* and *Assisted* Modes



Create a fanout    **Functional Toolbar:** Right-click the *Add Connect* icon and click the *Fanout* icon.



Create clines and vias and connect them to the selected pins or symbols.

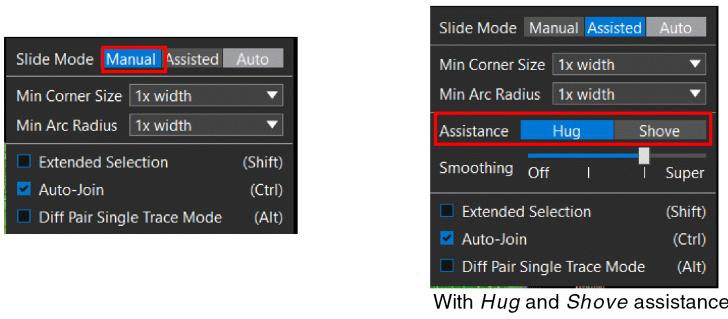


## Quick Reference Guide to OrCAD X Presto Interface and Commands

### OrCAD X Presto Layout Commands

Slide	<b>Functional Toolbar:</b> Click the <i>Slide icon</i> . 	Move cline segments on fully or partially routed nets. <i>Hug</i> and <i>Shove</i> assistance is provided.
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*Slide* options in the *Manual* and *Assisted* modes



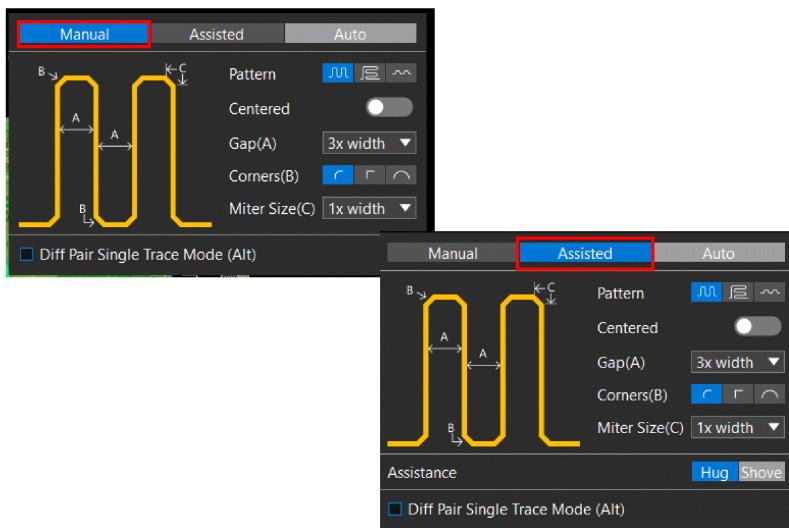
Delay Tune	<b>Functional Toolbar:</b> Right-click the <i>Slide icon</i> and click the <i>Delay Tune icon</i> . 	Elongate nets not meeting the minimum timing or length constraints. It can be used on selected nets.
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## Quick Reference Guide to OrCAD X Presto Interface and Commands

### OrCAD X Presto Layout Commands

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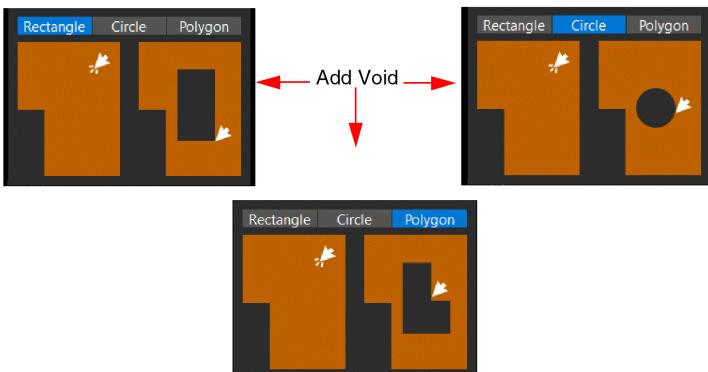
*Delay Tune options in the Manual and Assisted modes*



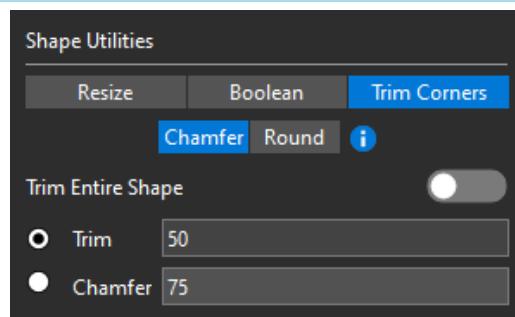
<b>Phase Tune</b>	<b>Functional Toolbar:</b> Right-click the <i>Slide</i> icon and click the <i>Phase Tune icon</i> . 	Like Delay Tune, <i>Phase Tune</i> settings include <i>Manual</i> , <i>Assisted</i> , and <i>Auto</i> . 
<b>Add shape on the canvas</b>	<b>Functional Toolbar:</b> Click the <i>Add Shape</i> icon. 	Select the shape type, use, and layer, and draw the desired shape on the canvas. Spec 
<b>Add void in shape</b>	<b>Functional Toolbar:</b> Right-click the <i>Add Shape</i> icon and click the <i>Add Void icon</i> .  <b>Keyboard Shortcut:</b> Shift+S	Create a non-copper rectangle, circle, or polygon within the copper area.

## Quick Reference Guide to OrCAD X Presto Interface and Commands

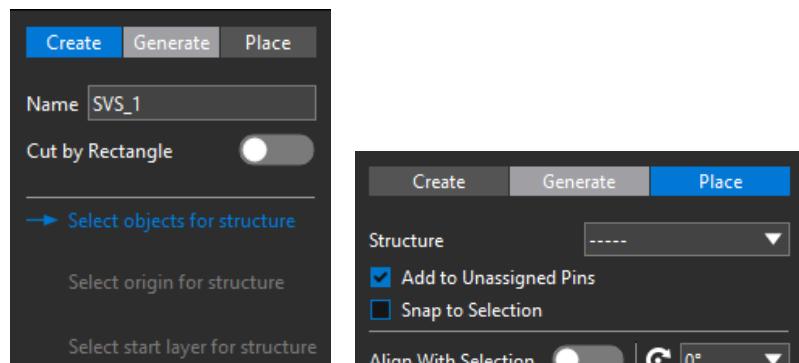
### OrCAD X Presto Layout Commands



Trim Corners	<b>Functional Toolbar:</b> Right-click the Add Shape icon and click the <i>Shape Utilities icon</i> . 	Use Shape Utilities to resize shapes; Boolean merge, intersect, subtract, or exclude; and rounded.
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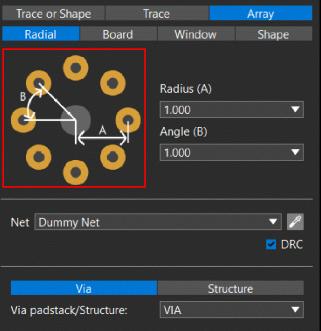
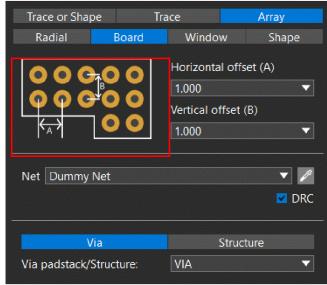
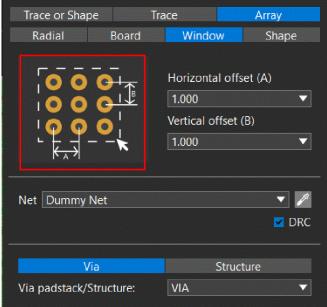
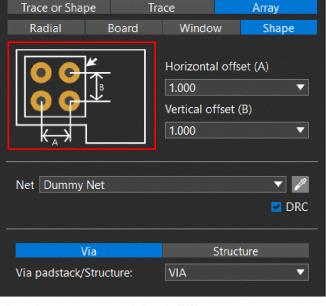
Create a structure	<b>Functional Toolbar:</b> Click the <i>Structure icon</i> . 	Create and place a via structure.
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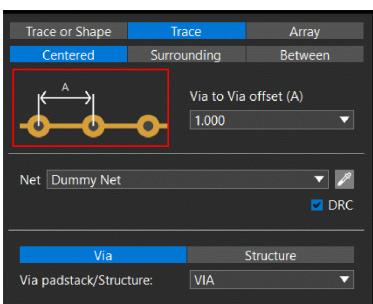
### OrCAD X Presto Layout Commands

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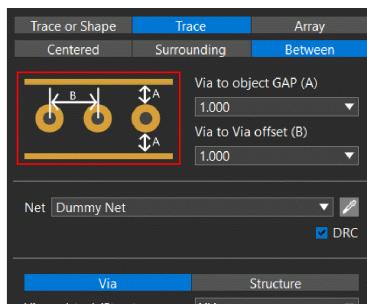
<p><b>Via Array</b></p> <p><b>Functional Toolbar:</b> Right-click the <i>Structure</i> icon and click the <i>Via Array</i> icon.</p> 	<p>Place a group of vias or structures in various patterns into a specified region of your design. The graphic for each array type explains its functionality.</p>
<p>A matrix of vias or structures is added filling the board outline.</p> 	
<p>Add a circular or radial pattern of vias or structures around one or more selected objects.</p> 	
<p>A matrix of vias or structures is added to a windowed area.</p>	<p>Matrices are added filling one or more selected shapes.</p>

## Quick Reference Guide to OrCAD X Presto Interface and Commands

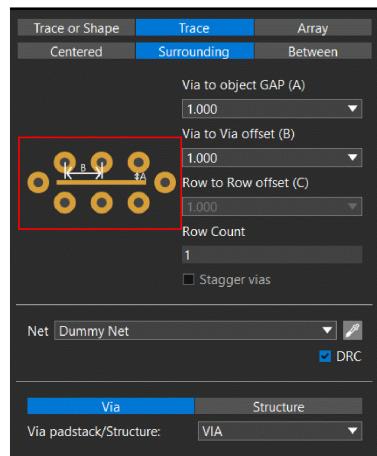
### OrCAD X Presto Layout Commands



Add an array centered on one or more selected objects.



Add an array between all the selected objects that are parallel to each other.

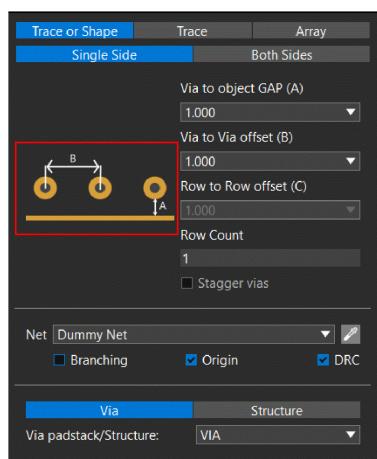


Add an object surrounding the selected objects.

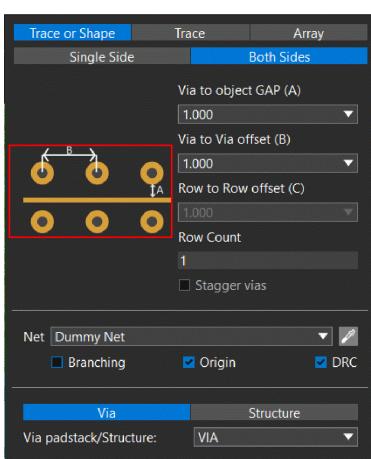
## Quick Reference Guide to OrCAD X Presto Interface and Commands

### OrCAD X Presto Layout Commands

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Add an array along one side of one or more selected objects.



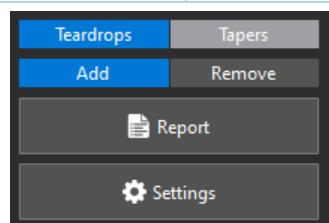
Add an array on both sides of one or more selected objects.

Teardrops and tapers

**Functional Toolbar:** Right-click the *Structure* icon and click the *Teardrops/Tapers* icon.



Add or remove teardrops and tapers.



Add text on the canvas

**Functional Toolbar:** Click the *Add Text* icon.



Create a free-form text on the design. Use this command to write simple notes or annotations.

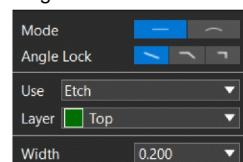


Add a line

**Functional Toolbar:** Right-click the *Add Text* icon and click the *Add Line* icon.

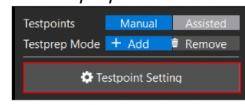
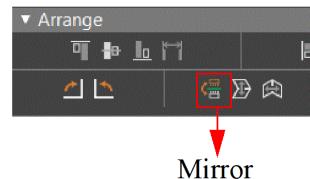
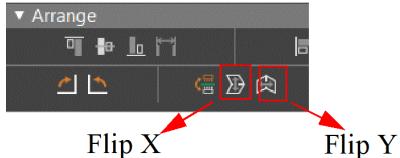


Create a non-etch/conductor line segment between two points. Use this to create outline designs.



**Quick Reference Guide to OrCAD X Presto Interface and Commands**  
**OrCAD X Presto Layout Commands**

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Create a testpoint	<b>Functional Toolbar:</b> Right-click the <i>Add Text</i> icon and click the <i>Test Point</i> icon.  	Create a testpoint on a pin or via, or assign a test pad to cline segments. Before you create the <i>Testprep Parameters</i> dialog box accessible from the <i>Testpoint Setting</i> button.  
Move	<b>Functional Toolbar:</b> Click the <i>Move icon</i> .  	Move the selected objects from one location to another.
Mirror	<b>Properties panel: Arrange pane</b>	Select the desired object to be mirrored, and click the <i>Mirror icon</i> . When an object is mirrored, the <b>Bottom layer</b> becomes the <b>Top layer</b> , and conversely the <b>Bottom layer</b> becomes the <b>Top layer</b> .  
Flip	<b>Properties panel: Arrange pane</b>	Flip the design or a selected shape along the <b>x</b> or <b>y</b> axis on the canvas. It sets the bottom layer to the top layer and vice versa.  

# OrCAD X Presto Selection and Navigation Options

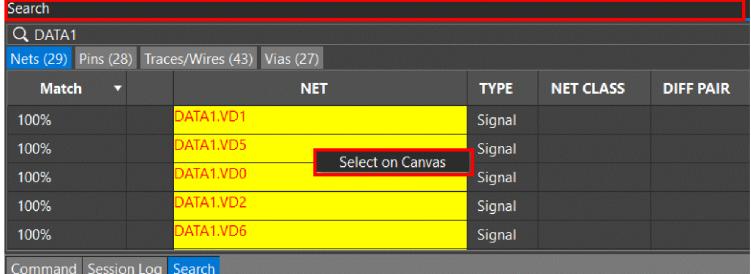
## Selection Options in OrCAD X Presto

Function	Access	Description
Select by polygon	<b>Functional Toolbar:</b> Click the <i>Select</i> icon. 	Enables you to select multiple items to route at one time by creating a polygon. All the elements partially or completely contained within the boundary and matching the <i>Selection Filter</i> settings are selected.
Select by lasso	<b>Functional Toolbar:</b> Click the <i>Select Lasso</i> icon. 	Enables you to select multiple items to route at one time by creating a free-form polygon. Objects that are partially or completely contained within that boundary that matches the <i>Selection Filter</i> settings are selected.
Select on path	<b>Functional Toolbar:</b> Right-click the select icon and click the <i>Select Path</i> icon. 	Enables you to select multiple items to route at one time by creating a free-form line. Any object touching the line or matching <i>Selection Filter</i> settings is selected.

## Navigation Options in OrCAD X Presto

Function	Access	Description
Zoom fit	<b>Menu path:</b> View – Zoom – Zoom Fit <b>Keyboard Shortcut:</b> CTRL+0 <b>Functional Toolbar:</b> Right-click the zoom icon and click the <i>Zoom Fit</i> icon. 	Fits the entire layout in the canvas area.
Zoom points	<b>Menu path:</b> View – Zoom – Zoom Points <b>Keyboard Shortcut:</b> CTRL+SHIFT+p <b>Functional Toolbar:</b> Right-click the zoom icon and click the <i>Zoom Points</i> icon. 	Enables you to define an area of the layout to magnify by specifying two diagonal points (opposite corners of a rectangle).
Zoom selected	<b>Functional Toolbar:</b> Right-click the zoom icon and click the <i>Zoom Selected</i> icon. 	Enables you to zoom in to the selected object or area on the canvas.
Zoom World	<b>Menu path:</b> View – Zoom – Zoom World	Reduces the magnification of the design so you can view your entire drawing in one shot.

Zoom in	<p><b>Menu path:</b> View – Zoom – Zoom In</p> <p><b>Keyboard Shortcut:</b> =</p> <p><b>Functional Toolbar:</b> <i>This command is also available from the functional toolbar in the 3D mode. Right-click the zoom icon and click the Zoom In icon.</i></p> 	Magnifies the layout view by 2x. A full view of the design, excluding legends and borders, is displayed on the canvas. You can use dynamic zooming using the middle mouse button.
Zoom out	<p><b>Menu path:</b> View – Zoom – Zoom Out</p> <p><b>Keyboard Shortcut:</b> –</p> <p><b>Functional Toolbar:</b> <i>This command is also available from the functional toolbar in the 3D mode. Right-click the zoom icon and click the Zoom Out icon.</i></p> 	Reduces the magnification of the layout view by half. You can use dynamic zooming using the middle mouse button.

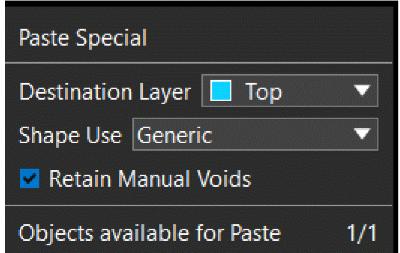
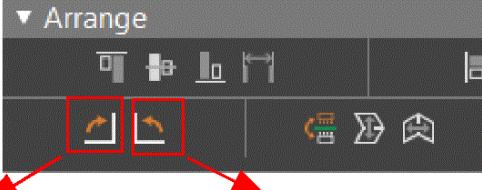
Panning	<b>Keyboard Shortcut:</b> Use the keys defined in the <i>Preferences</i> dialog box to pan up, down, left, or right.	Use the following keys for panning: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Pan Up</td><td style="padding: 2px;">Up or Scroll Wheel Drag</td></tr> <tr> <td style="padding: 2px;">Pan Down</td><td style="padding: 2px;">Down or Scroll Wheel Drag</td></tr> <tr> <td style="padding: 2px;">Pan Left</td><td style="padding: 2px;">Left or Scroll Wheel Drag</td></tr> <tr> <td style="padding: 2px;">Pan Right</td><td style="padding: 2px;">Right or Scroll Wheel Drag</td></tr> </table> Choose <i>Edit – Preferences</i> to open the <i>Preferences</i> dialog box and configure the shortcut keys.	Pan Up	Up or Scroll Wheel Drag	Pan Down	Down or Scroll Wheel Drag	Pan Left	Left or Scroll Wheel Drag	Pan Right	Right or Scroll Wheel Drag																						
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Pan Down	Down or Scroll Wheel Drag																															
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Find	<b>Keyboard Shortcut:</b> CTRL+f	Opens the <i>Search</i> window, where you can specify the search string for the object you want to search. To navigate to an object, either double-click the corresponding row from the search results or right-click and choose <i>Select on Canvas</i> .  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Match</th> <th style="width: 40%;">NET</th> <th style="width: 10%;">TYPE</th> <th style="width: 10%;">NET CLASS</th> <th style="width: 10%;">DIFF PAIR</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>DATA1.VD1</td> <td>Signal</td> <td></td> <td></td> </tr> <tr> <td>100%</td> <td>DATA1.VD5</td> <td>Signal</td> <td></td> <td></td> </tr> <tr> <td>100%</td> <td>DATA1.VD0</td> <td>Signal</td> <td></td> <td></td> </tr> <tr> <td>100%</td> <td>DATA1.VD2</td> <td>Signal</td> <td></td> <td></td> </tr> <tr> <td>100%</td> <td>DATA1.VD6</td> <td>Signal</td> <td></td> <td></td> </tr> </tbody> </table>	Match	NET	TYPE	NET CLASS	DIFF PAIR	100%	DATA1.VD1	Signal			100%	DATA1.VD5	Signal			100%	DATA1.VD0	Signal			100%	DATA1.VD2	Signal			100%	DATA1.VD6	Signal		
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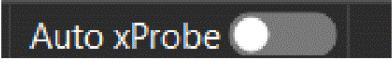
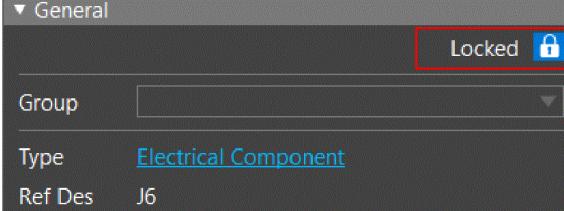
# Common OrCAD X Presto Interface Functions

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## Common Interface Functions in OrCAD X Presto

Function	Access	Description
Save	<b>Menu Path:</b> <i>File</i> – <i>Save &lt;board name&gt;</i> File – <i>Save As</i>	Save the board.
Delete	<b>Menu Path:</b> <i>Edit</i> – <i>Delete</i>	Delete the selected object on the canvas.
Copy	<b>Menu Path:</b> <i>Edit</i> – <i>Copy</i>  <b>Keyboard Shortcut:</b> <i>CTRL+C</i>	Create duplicates of elements in your design. The elements are copied dynamically and pasted to multiple destination(s) in a single step.
Paste	<b>Menu Path:</b> <i>Edit</i> – <i>Paste</i>  <b>Keyboard Shortcut:</b> <i>CTRL+V</i>	Repeatedly paste the same objects to different destinations without re-selecting the copied objects.

Paste Special	<b>Menu Path:</b> <i>Edit – Paste Special</i> <b>Keyboard Shortcut:</b> <i>CTRL+d</i>	Repeatedly paste the selected objects on specified destination layers.  
Undo	<b>Menu Path:</b> <i>Edit – Undo</i> <b>Keyboard Shortcut:</b> <i>CTRL+z</i>	Reverse the results of the most recent action after it is complete or those of a series of actions.
Redo	<b>Menu Path:</b> <i>Edit – Redo</i> <b>Keyboard Shortcut:</b> <i>CTRL+y</i>	Reapply the results of the most recent action reversed with undo. You can reapply a series of interactive operations that were reversed with undo by repeating this command.
Rotate Right or Left	<b>Properties panel:</b> <i>Arrange</i> pane – <ul style="list-style-type: none"> <li>• <i>Rotate Right</i> icon</li> <li>• <i>Rotate Left</i> icons</li> </ul>	Select the desired object, click the <i>Rotate Right</i> icon to rotate the object clockwise, or click the <i>Rotate Left</i> icon to rotate the object counter clockwise.   <p><b>Rotate Right</b>      <b>Rotate Left</b></p>

Rotate by an angle	<b>Properties panel:</b> <i>Location</i> pane	Rotate an object by a specified angle. Specify an angle in the <i>Rotation</i> field, by which the object is to be rotated on the canvas.
		
Crossprobe On Off	<b>Status bar:</b> <i>Auto xProbe</i> toggle	Turn the <i>Auto xProbe</i> toggle on or off to enable or disable crossprobing.
		
Lock and Unlock Objects	<b>Properties panel:</b> <i>General</i> pane – <ul style="list-style-type: none"> <li>• <i>Locked</i> icon</li> <li>• <i>Unlocked</i> icon</li> </ul>	<p>Select an object on the canvas:</p> <ul style="list-style-type: none"> <li>• Click the <i>Locked</i> icon to unlock an object.</li> <li>• Click the <i>Unlocked</i> icon to lock an object.</li> </ul>  

Freeze and Unfreeze Shapes	<p><b>Functional Toolbar: Add Shape</b></p> <ul style="list-style-type: none"><li>• <i>Frozen</i> icon</li><li>• <i>Unfrozen</i> icon</li></ul>	<p>Freeze a shape to prevent accidental or automatic modification of a shape.</p> <ul style="list-style-type: none"><li>• Click the <i>Unfrozen</i> icon to freeze it.</li><li>• Click the <i>Frozen</i> icon to unfreeze a shape.</li></ul> 
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