

Quick Reference

KEYBOARD SHORTCUTS

L-Edit is shipped with the following default keyboard shortcuts. All keyboard mappings may be customized using **Setup > Application > Keyboard**.

Editing Operations

Key(s)	L-Edit Function
Ctrl + C, Shift + Ins	Copy selected objects to the paste buffer.
Ctrl + X, Shift + Del	Cut selected objects to the paste buffer.
Ctrl + V, Shift + Ins	Paste contents of paste buffer to the current cell.
Alt + V	Paste contents of the paste buffer to active cell on currently selected layer.
Ctrl + B, Backspace, Del	Delete selected objects.
Ctrl + D	Duplicate selected objects.
Ctrl + Z, Alt + Backspace	Undo last operation.
Ctrl + Y	Redo last operation.

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Key(s)	L-Edit Function
Ctrl + A	Select all objects.
Alt + A	Deselect all selected objects.
Ctrl + F	Open the Find Object dialog.
Ctrl + E	Open the Edit Object(s) dialog.
F	Find the next appearance of the defined object.
P	Find the previous appearance of the defined object.
Page Down	Push downward one level into an instance's cell to edit in place.
Page Up	Pop upward one level out of an instance's cell to edit in place.
Ctrl + Page Down	Push or Pop multiple levels through hierarchy into an instance's cell to edit in place, and select object cursor is currently over.
Ctrl + Page Up	Pop to top cell when edit in place down multiple levels.
End	Zoom to top cell when editing in place.
Shift+Q	Use base point.
Ctrl+Q	Place base point at cursor.

Snapping Operations

Key(s)	L-Edit Function
Alt+S	Enable object snapping.
Shift+V	Enable vertex snap mode.
Shift+D	Enable midpoint snap mode.
Shift+E	Enable edge snap mode.
Shift+C	Enable center snap mode.
Shift+T	Enable pin snap mode.
Shift+S	Enable instance snap mode.

Viewing Operations

Key(s)	L-Edit Function
Space	Redraw screen.
Home	Fit view of active cell to current window.
Z	Put mouse in zoom mode: <ul style="list-style-type: none"> ■ left button click zooms one level in, ■ left button drag creates a zoom box, ■ right button click zooms out one level.
-	Zoom out.
+	Zoom in.
W	Zoom to fit only selected objects.
X	Toggle between current and previous view.

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Key(s)	L-Edit Function
Left	Pan left.
Right	Pan right.
Up	Pan up.
Down	Pan down.
Shift + Left	Pan view to left edge of a cell.
Shift + Right	Pan view to right edge of a cell.
Shift + Up	Pan view to top edge of a cell.
Shift + Down	Pan view to bottom edge of a cell.
Ctrl + I, Tab	Toggle view of instance insides.
S	Show insides of selected instances.
D	Hide instance insides of selected instances.
Alt + B	Show instance insides of leaf level cells only.
Alt + L	Hide insides of leaf level cells only.
F6, Ctrl + Tab	Switch to the next text, layout, or Design Navigator window.
Ctrl + F6, Ctrl + Tab	Switch to the previous text, layout, or Design Navigator window.
Q	Toggle ruler between absolute and relative coordinates.

Drawing Operations

Key(s)	L-Edit Function
Ctrl + Left	Nudge selected objects left an incremental amount (the default value is set in Setup > Design—Drawing).
Ctrl + Right	Nudge selected objects right an incremental amount (the default value is set in Setup > Design—Drawing).
Ctrl + Up	Nudge selected objects up an incremental amount (the default value is set in Setup > Design—Drawing).
Ctrl + Down	Nudge selected objects down an incremental amount (the default value is set in Setup > Design—Drawing).
R	Rotate selected objects 90° counter-clockwise.
Ctrl + R	Open the Rotate Selected Objects dialog to rotate the objects n° with respect to a specified point.
H	Flip selected objects horizontally.
V	Flip selected objects vertically.
Alt + X	Nibble a geometric shape from the selected objects.
B	Boolean/Grow operations on selected objects.
Ctrl + G	Group selected objects into a new cell.

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Key(s)	L-Edit Function
Ctrl +U	Ungroup the selected instances into their component objects.
A	Change the current layer to the layer of the selected object or, if no objects are selected, to the layer that the cursor is over.

Cell Operations

Key(s)	L-Edit Function
N	Create a new cell.
O	Open an existing cell.
C	Copy a cell.
T	Rename the active cell.
I, Ins	Instance a cell.

DRC Error Navigator Operations

Key(s)	L-Edit Function
. (period)	Display the next DRC error.
, (comma)	Display the previous DRC error.
W	Zoom to selected error.



Tanner EDA Division
Tanner Research, Inc.
2650 East Foothill Blvd.
Pasadena, CA 91107 • USA
www.tannereda.com
toll free: (877) 325-2223

Quick Reference

MOUSE SHORTCUTS

Using a two-button mouse

Middle mouse button functions can be performed with a two-button mouse by using the **ALT key + LEFT mouse button**.

Active push rubberbanding

When this option is on, it is unnecessary to hold down the mouse button during a drag operation. Use **Setup > Application > General** to set this option.

Modes

Mouse functionality depends on the active mode.

■ Selection

The arrow icon indicates selection mode.



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■ Drawing

Any of the following icons places you in Drawing mode:



■ Add Section

Use **Draw > Add Wire Section** to enter this mode.

■ ZoomBox

Press Z before any mouse operation to enter ZoomBox mode.

■ Layer Palette

This mode is active whenever the cursor is over the Layer Palette.

■ DRC Box

Use **Tools > DRC Box** or the icon shown below to enter this mode.



■ Nibble

Use **Draw > Nibble** to enter this mode.

Functions

ADD WIRE SECTION

In Add Section mode:

LEFT

ARC/EDIT

In Drawing mode:



Available when you are using an all-angle tool and a single edge of a polygon is selected.

CTRL + MIDDLE

CTRL + ALT + MIDDLE

SHIFT + CTRL + ALT + MIDDLE

BACKUP

In Drawing mode:

MIDDLE

BOX

In Nibble mode:

LEFT

In DRC Box mode:

LEFT

CANCEL

In Add Section mode:

RIGHT

CHOOSE

In the Layer Palette:

LEFT

CYCLE THROUGH WINDOWS

With the cursor outside the layout area:

Use the mouse wheel to cycle through all open windows (regardless of file).

Use CTRL + mouse wheel to cycle through the open windows within the active file.

DESELECT

In Selection mode:

ALT + RIGHT

SHIFT + ALT + RIGHT

In Drawing mode:

ALT + RIGHT

SHIFT + ALT + RIGHT

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SHIFT + CTRL + ALT + RIGHT

DESELECT EDGE

In Drawing mode:

CTRL + ALT + RIGHT

DRAW

In Drawing mode:

LEFT

SHIFT + LEFT

DUPLICATE

In Drawing mode:

CTRL + LEFT

SHIFT + CTRL + LEFT

END POLYGON or WIRE

In Drawing mode:

RIGHT

ADD EDGE TO SELECTION

In Selection mode:

SHIFT + CTRL + RIGHT

In Drawing mode:

SHIFT + CTRL + RIGHT

EXTEND SELECTION

In Selection mode:

SHIFT + LEFT

SHIFT + RIGHT

SHIFT + CTRL + LEFT

In Drawing mode:

SHIFT + RIGHT

HIDE/SHOW

In Layer Palette:

Click on an icon to hide or show that layer in the layout.

MIDDLE

On the Drawing toolbar:

Click on an icon to hide or show that object type in the layout.

MIDDLE

HIDE/SHOW ALL

In Layer Palette:

Click on an icon to hide or show all layers but that one.

CTRL + MIDDLE

On the Drawing toolbar:

Click on an icon to hide or show all object types but that one.

CTRL + MIDDLE

LAYER PALETTE MENU

In Layer Palette:

RIGHT

(any combination of modifiers) + RIGHT

MOVE/EDIT

In Selection mode:

MIDDLE

(any combination of modifiers) + MIDDLE

ALT + LEFT

SHIFT + ALT + LEFT

CTRL + ALT + LEFT

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In Drawing mode:

MIDDLE

(any combination of modifiers) + MIDDLE

ALT + LEFT

SHIFT + ALT + LEFT

CTRL + ALT + LEFT

In Add Section mode:

MIDDLE

PAN

In ZoomBox mode:

Z then MIDDLE

Z + (any combination of modifiers) + MIDDLE

Z + (any combination of modifiers) + LEFT

SCROLL

Use the mouse wheel to scroll up or down.

Use SHIFT + mouse wheel to scroll left or right.

SELECT OBJECT

In Selection mode:

LEFT

RIGHT

In Drawing mode:

RIGHT

SELECT EDGES

In Selection mode:

CTRL + LEFT

CTRL + RIGHT

In Drawing mode:

CTRL + RIGHT

STEP UP/DOWN PROCESS LAYERS

Use the mouse wheel in a cross-section window.

SETUP LAYERS

In Layer Palette:

Double click

TOGGLE TOOLBARS

Right-click in the toolbar or status bar area to open the toolbar menu.

VERTEX

Available when an all-angle polygon or wire is selected and you click precisely on an edge.

In selection mode:

CTRL + MIDDLE

CTRL + ALT + MIDDLE

CTRL + ALT + LEFT

ZOOM BOX

In ZoomBox mode:

Z then LEFT

ZOOM

Use CTRL + the mouse wheel to zoom in or out.

ZOOM OUT

In ZoomBox mode:

Z + RIGHT

Z + (any combination of modifiers) + RIGHT