

Keyboard Shortcuts

Function Key Command Assignments		
Key	Description	
F1	Open Help (context sensitive)	
F2	Add route	
F3	Dynamic route	
F4	Toggle layer pair	
F5	Select pin pair	
F6	Select net	
F7	Autoroute selected	
Editina		
Shortcut	Description	
End	Redraw	
Ctrl+D		
Keypad (1)		
Delete	Unroute selected object	
Escape	Cancel command	
Ctrl+H	Highlight object	
Ctrl+U	Remove highlighting from current object	
	Selection	
Shortcut	Description	
Ctrl+Alt+F	Display the Selection Filter	
Click	Select an object	
Spacebar		
ХР	Toggle pick by mode. "Pick by trace width" is default. "Pick by pick radius" helps select small trace segments	
Ctrl+A	Select all design objects based on selection filter	
	Start an area selection	
Tab	Cycle selection of adjacent objects in pick radius	
	Toggle object selection or select multiple objects	
CIT+Click	Toggie object selection of select multiple objects	
	Placement Operations	
Shortcut	Description	
Ctrl+E	Nove the selected object(s)	
Click+Drag		
Tab	Rotate a component (during component move mode)	
Ctrl+R	Rotate the selected component(s) 90 degrees	
Ctrl+I	Spin the selected object	
Ctrl+F	Flip an object to the opposite side of the board	
Ctrl+L	Align components	
	File Operations	
Shortcut	Description	
Ctrl+N	Create a new design file (blank)	
Ctrl+O	Open a design file	
Ctrl+S	Save a design file	

Panning, Z	Cooming, and Navigation
Shortcut	Description
Home	Zoom to fit the board outline to the maximum
Keypad (7)	of the viewable workspace
Ctrl+B	
Ctrl+Alt+E	Zoom to fit all objects in the design to the maximum of the viewable workspace
Middle+Drag	Zoom from center. Drag up to zoom in. Drag
Keypad (5) (Numlock On)	down to zoom out.
Shift+Middle+Drag	Zoom from corner. Drag up to zoom in. Drag
Keypad (.) (Zoom Mode only)	down to zoom out.
Alt+Z	Zoom to fit the selected object(s) to the maximum of the viewable workspace
Ctrl+W	Toggle Zoom Mode on/off
Click	Zoom in at the pointer (Zoom Mode)
Page Up	
Space Bar	
Keypad (9)	
Right-Click	Zoom out at the pointer (Zoom Mode)
Page Down	
Keypad (3)	
Page Up	Zoom in at the pointer
Keypad (9)	
Ctrl+Wheel Fwd	
Page Down	Zoom out at the pointer
Keypad (3)	
Ctrl+Wheel Back	
Down Arrow	Move the pointer down one design grid
Up Arrow	Move the pointer up one design grid
Left Arrow	Move the pointer left one design grid
Right Arrow	Move the pointer right one design grid
Middle-Click	Pan to center the view on the pointer
Keypad (0)	location
Insert	
Alt+Middle+Drag	Pan dynamically
Wheel Back	Pan down one line
Wheel Fwd	Pan up one line
Shift+Wheel Back	Pan right one line
Shift+Wheel Fwd	Pan left one line
Ctrl+Alt+Wheel Back	Pan down one pixel
Ctrl+Alt+Wheel Fwd	Pan up one pixel
Alt+Shift+Wheel Back	Pan right one pixel
Alt+Shift+Wheel Fwd	Pan left one pixel
Keypad (2)	Pan down one-half the screen height
Keypad (4)	Pan left one-half the screen height
Keypad (6)	Pan right one-half the screen height
Keypad (8)	Pan up one-half the screen height

	Viewing
Shortcut	Description
Alt+B	Display bottom view (mirrors the design view)
Alt+N	Display the next view
Alt+P	Display the previous view
Routing Operations	
Shortcut	Description
Click	Add a corner (interactive routing)
Space Bar	
Click	Add a tack
Shift+Click	Add a via (interactive routing)
Ctrl+Alt+J	Add a jumper (interactive routing)
Backspace	Remove the last routed corner on a trace or the last corner on a 2D line (in polygon or path drawing mode)
Shift+S	Stretch
Enter	Complete route
Click	Complete (interactive routing) when pointer is on a valid completion point
Double- Click	Begin routing an unrouted path. Also complete the route when pointer is near a valid completion point.
Ctrl+Click	End (interactive routing)
Ctrl+M	Run length minimization
Ctrl+Page Down	Quick measure/reset DxDy
Ctrl+Page Up	Show the route length at the pointer
Ctrl+G	Create a union
Ctrl+J	Route a loop
Ctrl+K	Create a cluster
Ctrl+T	Display the Teardrop Properties

	Bus Routing Operations
Shortcut	Description
Ctrl+Alt+B	Bus Route
Alt+Click	Add a corner to the guide route
Alt+Shift+Clic	k Add a via to the guide route
Ctrl+Tab	Cycle through the via patterns
Ctrl+Alt+Click	End guide
Tab	Next guide
Shift+Tab	Previous guide
Opening Menus and Dialog Boxes	
Shortcut	Description
Right-Click	Open the popup menu
Double-Click	Open Properties dialog box for the selected object
Alt+Enter	
Ctrl+Q	
Ctrl+Enter	Open the Options dialog box
Ctrl+Alt+C	Open the Display Colors Setup dialog box
Ctrl+Alt+D	Open the Design page of the Options dialog box
Ctrl+Alt+G	Open Global/General page of the Options dialog box
Ctrl+Alt+S	Open the Status Window
Ctrl+Alt+N	Open the View Nets dialog box
	Mouse Button Substitutions
Shortcut	Description
м	Open the popup menu for the current mode (same as right-click)

Activate a left-click to add corners, select items, complete, and so on; at the current pointer location

Space Bar

Modeless Commands

	(Cartesian) Grid Settings
Command	Description
G <x> {<y>}</y></x>	Set the Design and Via grids simultaneously
GD <x> {<y></y></x>	-} Set the Display (dot) grid
GR <x> {<y></y></x>	Set the Design grid (placement and routing)
GV <x> {<y></y></x>	-} Set the Via grid
	(Polar) Grid Settings
Command	Description
GP	Toggle Polar Grid on/off
GPra	Move to point specified by polar coordinates (radius/angle)
GPA a	Move to point specified by angle, use existing radius
GPR r	Move to point specified by radius, use existing angle
GPRA da	Move to point specified by current angle, use existing radius
GV <x> {<y></y></x>	Hove to point specified by current radius, use existing angle
Setting the Design Units	
Command	Description
UI	Set Design Units to inches
UM	Set Design Units to mils
UMM	Set Design Units to millimeters (metric)
	Setting Origins
Command	Description
SOA	Set the origin using absolute coordinates from the
Mı	center of the design space
Command	
UN { <n>}</n>	Undo one or <n> times (1-100), (Ex: UN 2)</n>
RE { <n>}</n>	Redo one or <n> times (1-100), (Ex: RE 2)</n>
	Net Visibility
Command	Description
N <s></s>	Highlight nets one by one, for example N GND
N -	Unhighlight the last highlighted net
N	Remove all highlighting from nets
	Net Name Visibility
Command	Description
NN	Toggle the visibility of the net names
NNP	Toggle the display of the net names on pins
NNT	Toggle the display of the net names on traces
NNV	Toggle the display of the net names on vias
М	anaging the View in SailWind 3D
Command	Description
Т	View from top
В	View from bottom
L	View from left
R	View from right

Line/Trace Angle Settings	
Command	Description
AA	Set Any angle mode
AD	Set Diagonal angle mode
AO	Set Orthogonal angle mode
	Line/Trace Width Settings
Command	Description
R <n></n>	Set "Minimum display width" to <n>, example R 50. Widths less than <n> display as single pixel center lines</n></n>
W <n></n>	Change current trace or line width to <n>, example W 5</n>
	Line Style Settings
Command	Description
LS	Show the current line style setting on the status bar
LSS	Set style for new 2D line objects to Solid lines
LSD	Set style for new 2D line objects to Dashed lines
LSO	Set style for new 2D line objects to Dotted lines
LSA	Set style for new 2D line objects to Dash Dotted
LSB	Set style for new 2D line objects to Dash Double-dotted
	Drafting Shape Control
Command	Description
HC	Set drawing mode to circle shape
HH	Set drawing mode to path shape
HP	Set drawing mode to polygon shape
HR	Set drawing mode to rectangle shape
	Search Commands
Command	Description
S <x> <y></y></x>	Search absolute at <x> <y>, for example S 1000 1000</y></x>
S <s></s>	Search for refdes/pin, for example S U1.1 or S U1
SR <x> <y></y></x>	Search relative X and Y, for example SR -100 -50
SRX <x></x>	Search relative X at current Y, for example SRX 300
SRY <y></y>	Search relative Y at current X, for example SRY 400
SS <s></s>	Search and Select by refdes, for example SS U10
SS <s>*</s>	Search and Select using wildcard (*), for example SS C*
SX <x></x>	Search absolute X at current Y, for example SX 300
SY <y></y>	Search absolute Y at current X, for example SY 400
	Pour Outline Mode Settings
Command	Description
10	loggie Pour Outline on/ott
Commond	Outline Mode Settings
O	Togale Outline Mode on/off
ОН	Set outlines to High resolution
	Set outlines to Low resolution

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Object Snapping	
Command	Description
OS	Toggle Object Snap Mode on/off
OSR <n></n>	Set the Object Snap radius
OS <n></n>	Set the Object Snap type (C/E/I/M/O/P or Q)
	Object Visibility
Command	Description
В	Toggle Bottom View on/off
С	Toggle Complementary format (view thermal, antipads on planes)
D	Toggle Active Layer to Front on/off
DO	Toggle Drill Outline on/off
PN	Toggle Pin Number Display on/off
Т	Toggle Transparent Mode on/off
X	Toggle Text box/outline on/off
L	Via Commands
Command	Description
E	Cycle End Via Mode (No Via, Via, Test Point)
V	Open the Via dialog box
VA	Set the Via Mode to Automatic
VP	Set the Via Mode to Partial
VT <name></name>	Set the Via Mode to Through
<u> </u>	Layer Commands
Command	Description
L <n></n>	Change the current layer to <n></n>
LD	Toggle between horizontal and vertical routing direction
PL <n1> <n2></n2></n1>	Set the Layer pair
	DRC Settings
Command	Description
DRO	Turn off On-line DRC
DRP	Set On-line to Prevent Errors
DRW	Set On-line to Warn Errors
DRI	Set On-line to Ignore Clearance
	Measurement
Command	Description
Q	Quick measure with dynamic rules
QL	Query length of an object
	General Mode Settings
Command	Description
RV	Toggle Make Like Reuse operations to compare/ignore
	Value and Tolerance attributes

	Quick Layer Visibility	
Command	Description	
Z	Return the layer view to normal	
Z {+ <layer>] {-<layer>}</layer></layer>	Add or remove a layer from the current set of displayed layers	
Z <n-m></n-m>	View only the range of layers you type	
Z <layer n=""> {<layer m=""></layer></layer>	} View only the layers you type	
Ζ*	View all layers	
Z -*	Hide all layers	
ZA	View the active layer	
Z ADB	View the Assembly Drawing Bottom layer	
Z ADT	View the Assembly Drawing Top layer	
Z B	View only the bottom layer	
Z C <-C>	View only the current layer	
Z D	View all documentation layers	
ZE	View all electrical layers	
ZI	View all internal layers	
ZO	View only the outside layers (the top and bottom layers)	
Z PMB	View the Paste Mask Bottom layer	
Z PMT	View the Paste Mask Top layer	
Z SMB	View the Solder Mask Bottom layer	
Z SMT	View the Solder Mask Top layer	
Z SSB	View the Silkscreen Bottom layer	
Z SST	View the Silkscreen Top layer	
ZT	View only the Top layer	
ZU	Toggle view of unrouted connections (visible on all layers)	
ZZ	View all layers	
ZR <name></name>	Restore a Quick Layer View configuration	
ZS <name></name>	Save a Quick Layer View configuration	
	Miscellaneous	
Command	Description	
Y	Toggle custom colors	
?	Show this help topic	
1	Run Database Integrity Test	