

Protel Keyboard Shortcuts

PCB Editing Shortcuts		PCB Keyboard Shortcuts:	
Key	Opens ...	Key	Opens ...
A	Tools » Align submenu	L	Layers Tab of Document Option dialog
B	View » Toolbars submenu	Q	Toggle Units
D	Design menu	CTRL+G	Snap Grid dialog box
E	Edit menu	CTRL+H	Edit » Select » Physical Net
F	File menu	CTRL+P	Run Process
G	Snap Grid popup menu	CTRL+Z	Cross Probe
H	Help menu	PGUP	View » Zoom In
J	Edit » Jump submenu	PGDN	View » Zoom Out
M	Edit » Move submenu	CTRL+PGUP	Zoom maximum
O	Options popup menu	CTRL+PGDN	Zoom minimum
P	Place menu	SHIFT+PGUP	Zoom in at 0.1 step rate
R	Reports menu	SHIFT+PGDN	Zoom out at 0.1 step rate
S	Edit » Select submenu	HOME	View » Pan
T	Tools menu	END	View » Refresh
U	Tools » Unroute submenu	CTRL+HOME	Jump Absolute Origin
V	View menu	CTRL+END	Jump Current origin
W	Window menu	CTRL+INS	Edit » Copy
X	Edit » DeSelect menu	CTRL+DEL	Edit » Clear
Z	Zoom popup menu	SHIFT+INS	Edit » Paste
		SHIFT+DEL	Edit » Cut
		ALT+BACKSPACE	Undo
		CTRL+BACKSPACE	Redo
		SHIFT+F4	Cascade Windows
		SHIFT+F5	Tile Windows
		*	Toggle active signal layers
		+ or -	Next / previous active layer
		F1	Help Index
		UP, DOWN	Move one snap grid point, vertically
		SHIFT+UP, DOWN	Move 10 snap grid points, vertically
		LEFT, RIGHT	Move one snap grid point, horizontally
		SHIFT+LEFT, RIGHT	Move 10 snap grid points, horizontally
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PCB Special Mode-Dependent Keys:

TAB Opens a dialog box for the object currently being placed. Allows you to edit attributes when placing any object. Use the tab key to "edit on the fly".

SPACEBAR Toggles between Start and End track placement modes; rotate item anti-clockwise during move (set step value in Preferences dialog box); abort screen redraw; change the MiniViewer magnification level.

SHIFT Control acceleration during Autopan (set mode in Preferences dialog).

SHIFT+SPACEBAR Toggle track placement modes; rotate item clockwise during move.

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Shortcuts to speed the routing process:

BACKSPACE removes the previously placed track segment while routing a connection.

***** toggles through the routing layers while routing.

/ places a via connecting to a power plane.

TAB pop up the Track properties dialog box to edit track attributes while routing.

SHIFT+R cycles through the interactive routing modes.

SHIFT+S toggles single-layer display mode on and off.

SPACEBAR changes between track placement start and end angle modes.

SHIFT+SPACEBAR cycles through the track placement modes.

CTRL+SPACEBAR cycles through the connection lines connecting to a pad.

CRTL temporarily suspends the electrical grid.

ALT temporarily switches from Avoid Obstacle to Ignore Obstacle mode.

End refreshes the display while routing.

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Default schematic menu shortcut keys:			
Key	Opens the ...	Key	Opens the ...
A	Edit » Align sub-menu	P	Place menu
B	View » Toolbars sub-menu	R	Reports menu
E	Edit menu	S	Edit » Select sub-menu
F	File menu	T	Tools menu
H	Help menu	V	View menu
J	Edit » Jump sub-menu	W	Window menu
L	Edit » Set Location Marks sub-menu	X	Edit » DeSelect menu
M	Edit » Move sub-menu	Z	Zoom pop-up menu
O	Options menu		
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Default schematic shortcut keys:			
Key	Action	Key	Action
CTRL+BACKSPACE	Redo	CTRL+F	Find Text
ALT+BACKSPACE	Undo	CTRL+G	Find And Replace Text
PgUp	Zoom In	CTRL+V	Align objects horizontally, through their centers
CTRL+PgDn	Zoom All	CTRL+B	Align objects horizontally, along their bottom edge
PgDn	Zoom Out	CTRL+T	Align objects horizontally, along their top edge
END	Redraw	CTRL+SHIFT+H	Space objects equally horizontally
CTRL+HOME	Jump to Origin	CTRL+H	Align objects vertically, through their centers
HOME	Pan	CTRL+L	Align objects vertically, along their left edge
SHIFT+Left Arrow	Cursor Left (10x snap grid)	CTRL+R	Align objects vertically, along their right edge
Left Arrow	Cursor Left (on snap grid)	CTRL+SHIFT+V	Space objects equally vertically
SHIFT+Up Arrow	Cursor Up (10x snap grid)	F1	Run Online Help
Up Arrow	Cursor Up (on snap grid)	F3	Find next text
SHIFT+Right Arrow	Cursor Right (10x snap grid)	SHIFT+F4	Tile all open documents
Right Arrow	Cursor Right (on snap grid)	SHIFT+F5	Cascade all open documents
SHIFT+Down Arrow	Cursor Down (10x snap grid)	SHIFT+CTRL+Left_Click	Move single object
Down Arrow	Cursor Down (on snap grid)	SHIFT+Left_Click	Toggle single object selection
SHIFT+Insert	Paste	CTRL+Left_Click, then release CTRL	Drag single object
CTRL+Insert	Copy	CTRL+Left_Hold_Down, then release CTRL	Drag single object
SHIFT+Delete	Cut	Hold CTRL while moving or dragging	Disable snap grid
CTRL+Delete	Clear	Hold ALT while moving or dragging	Constrain movement to vertical direction
DELETE	Delete focused object	Hold SHIFT+ALT while moving or dragging	Constrain movement to horizontal direction
CTRL+1	Zoom 100	Left_Click	Focus object
CTRL+2	Zoom200	Left_Dbl_Click	Change object
CTRL+4	Zoom400	Left_Hold_Down	Move object / move selection

CTRL+5	Zoom050		
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Frequently used keyboard shortcut key combinations:

SPACEBAR	to abort screen re-draws
X, A	to de-select all
V, D	to zoom to fit the sheet
V, F	to zoom to fit all placed objects
PgUp	to zoom in (zooms in around the cursor, so position the cursor first)
PgDn	to zoom out
HOME	to re-center the screen at the current cursor position
END	to refresh the screen
TAB	while an object is floating on the cursor to edit its attributes prior to placement.
SPACEBAR	whilst placing an object to rotate it by 90 degrees
X	whilst placing an object to flip it along the X axis
Y	whilst placing an object to flip it along the Y axis
DELETE	whilst laying a wire/bus/line/polygon to delete the last vertex
BACKSPACE	whilst laying a wire/bus/line/polygon to delete the last vertex
SPACEBAR	while laying a wire/bus/line to step through the placement modes
ESC	to escape from what you are doing when you change your mind
CTRL+TAB	to switch between open documents in EDA/Client
ALT+TAB	to switch between open applications in Windows
F1	when you have a cross-hair cursor to pop up a list of shortcut keys

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