Protel Keyboard Shortcuts

PCB Editing Shortcuts		PCB Keyboard Shortcuts:						
Key	Opens	Key	Opens					
A	Tools » Align submenu	L	Layers Tab of Document					
			Option dialog					
В	View » Toolbars submenu	Q	Toggle Units					
D	Design menu	CTRL+G	Snap Grid dialog box					
Е	Edit menu	CTRL+H	Edit » Select » Physical Net					
F	File menu	CTRL+P	Run Process					
G	Snap Grid popup menu	CTRL+Z	Cross Probe					
Н	Help menu	PGUP	View » Zoom In					
J	Edit » Jump submenu	PGDN	View » Zoom Out					
M	Edit » Move submenu	CTRL+PGUP	Zoom maximum					
О	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,	Move 10 snap grid points,					
		RIGHT	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 anticlockwise 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		
Α	Edit » Align sub-menu	P	Place menu		
В	View » Toolbars sub-menu	R	Reports menu		
Е	Edit menu	S	Edit » Select sub-menu		
F	File menu	T	Tools menu		
Н	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		
О	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	CTRL+R	Align objects vertically,				
	(10x snap grid)		along their right edge				
Left Arrow	Cursor Left (on	CTRL+SHIFT+V	Space objects equally				
	snap grid)		vertically				
SHIFT+Up Arrow	Cursor Up (10x	F1	Run Online Help				
	snap grid)						
Up Arrow	Cursor Up (on	F3	Find next text				
	snap grid)						
SHIFT+Right Arrow	Cursor Right	SHIFT+F4	Tile all open documents				
	(10x snap grid)						
Right Arrow	Cursor Right	SHIFT+F5	Cascade all open				
	(on snap grid)		documents				
SHIFT+Down Arrow	Cursor Down	SHIFT+CTRL+Left	Move single object				
	(10x snap grid)	_Click					
Down Arrow	Cursor Down	SHIFT+Left_Click	Toggle single object				
	(on snap grid)		selection				
SHIFT+Insert	Paste	CTRL+Left_Click,	Drag single object				
		then release CTRL					
CTRL+Insert	Copy	CTRL+Left_Hold_D	Drag single object				
		own, then release					
G		CTRL					
SHIFT+Delete	Cut	Hold CTRL while	Disable snap grid				
CORDI D 1	CI	moving or dragging					
CTRL+Delete	Clear	Hold ALT while	Constrain movement to				
DELEGE	D.I. C.	moving or dragging	vertical direction				
DELETE	Delete focused	Hold SHIFT+ALT	Constrain movement to				
	object	while moving or	horizontal direction				
CEDI 4	7 100	dragging	P. I.				
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 whilst laying a wire/bus/line/polygon to delete the last vertex whilst laying a wire/bus/line to step through the placement modes to escape from what you are doing when you change your mind

CTRL+TAB to switch between open documents in EDA/Client 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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