PCB-1.99j-mag1 command reference

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misc operations

backspace	remove object
*[S][C]Btn*1	remove object
scroll wheel	vertical pan
*[S]*scroll wheel	horizontal pan
*Btn*1	current mode action
u	undo operation
*[S]*r	redo operation
*[S][C]*u	clear undo-list
tab	switch viewing side
cursor key	move crosshair 1 grid
*[S]*cursor key	move crosshair 10 grid

connections

*[S]*f	reset found connections
f	find connections
*[S]*backspace	remove connections

user (:) commands

:DRC()	check layout for rule violations
:l [file]	load data file
:le [file]	load element to buffer
:m [file]	load layout to buffer
:q	quit application
:rn [file]	load netlist
:s [file]	save data as file

display

c	center display
g	increase grid spacing
*[S]*g	decrease grid spacing
*[C]*m	mark location
r	clear and redraw output
z	zoom in
*[S]*z	zoom out
v	zoom extents
*[S]Btn*3	temporary zoom extents

selection

*Btn*2	select/deselect object
*[S]Btn*2	toggle object to selection
drag *Btn*2	select only objects in box
drag *[S]Btn*2	add box to selection
*[S]*m	move selected to current layer

copy and move

drag *Btn*2	move object or selection
drag *[M]Btn*2	copy object
drag *[S][M]Btn*2	override rubberband & move
m	move to current layer

pastebuffer

*[C]*x	copy selected objects to buffer and enter pastebuffer mode
*[S][C]*x	cut selected objects to buffer and enter pastebuffer mode
*Btn*1	in pastebuffer mode copy to layout
*[C]*1···5	select buffer # 1···5

sizing

s	increase size of TLAPV [a]
*[S]*s	decrease size of TLAPV
*[M]*s	increase drill size of PV
*[S][M]*s	decrease drill size of PV
k	increase clearance of LAPV
[S] k	decrease clearance of LAPV

element

d	display pinout
*[S]*d	open pinout window
h	hide/show element name
n	change element name

pin/pad

n	change name
q	toggle square flag

via

*F*1	enter via-mode
*[C]*v	increase initial size
*[S][C]*v	decrease initial size
*[M]*v	inc. initial drilling hole
*[S][M]*v	dec. initial drilling hole
*[C]*h	convert via to mounting hole

lines/arcs

*F*2	enter line mode
*F*3	enter arc mode
l	increase initial line size
*[S]*l	decrease initial line size
period	toggle 45 degree enforcement
/	cycle multiline mode
[S]	override multiline mode

polygon

*F*5	enter rectangle-mode
*F*6	enter polygon-mode
*[S]*p	close path
insert	enter insert point mode

text

*F*4	enter text-mode
n	edit string
t	increase initial text size
*[S]*t	decrease initial text size

rats nest

w	add all rats
*[S]*w	add rats to selected pins/pads
e	delete all rats
*[S]*e	delete selected rats
o	optimize all rats
*[S]*o	optimize selected rats

[a] TLAPV: text, line, arc, pin or via

Obviously *[S]*, *[C]*, *[M]*, *F* and *Btn* mean the shift, control, modifier1 (BTNMOD for buttons), function key and mouse button.