

# PCB-1.99j-mag1 command reference ©19

misc operations	
backspace	remove object
<i>[S]/[C]Btn1</i>	remove object
scroll wheel	vertical pan
<i>[S]/scroll wheel</i>	horizontal pan
<i>Btn1</i>	current mode action
u	undo operation
<i>[S]/r</i>	redo operation
<i>[S]/[C]u</i>	clear undo-list
tab	switch viewing side
cursor key	move crosshair 1 grid
<i>[S]/cursor key</i>	move crosshair 10 grid
connections	
<i>[S]/f</i>	reset found connections
f	find connections
<i>[S]/backspace</i>	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
<i>[S]/g</i>	decrease grid spacing
<i>[C]/m</i>	mark location
r	clear and redraw output
z	zoom in
<i>[S]/z</i>	zoom out
v	zoom extents
<i>[S]/Btn3</i>	temporary zoom extents

selection	
<i>Btn2</i>	select/deselect object
<i>[S]/Btn2</i>	toggle object to selection
drag <i>Btn2</i>	select only objects in box
drag <i>[S]/Btn2</i>	add box to selection
<i>[S]/m</i>	move selected to current layer
copy and move	
drag <i>Btn2</i>	move object or selection
drag <i>[M]/Btn2</i>	copy object
drag <i>[S]/[M]/Btn2</i>	override rubberband & move
m	move to current layer
pastebuffer	
<i>[C]/x</i>	copy selected objects to buffer
<i>[S]/[C]/x</i>	and enter pastebuffer mode
	cut selected objects to buffer
	and enter pastebuffer mode
<i>Btn1</i>	in pastebuffer mode copy to layout
<i>[C]/1..5</i>	select buffer # 1..5
sizing	
s	increase size of TLAPV <sup>a</sup>
<i>[S]/s</i>	decrease size of TLAPV
<i>[M]/s</i>	increase drill size of PV
<i>[S]/[M]/s</i>	decrease drill size of PV
k	increase clearance of LAPV
<i>[S]/k</i>	decrease clearance of LAPV
element	
d	display pinout
<i>[S]/d</i>	open pinout window
h	hide/show element name
n	change element name
pin/pad	
n	change name
q	toggle square flag

*F1*  
*[C]/v*  
*[S]/[C]/v*  
*[M]/v*  
*[S]/[M]/v*  
*[C]/h*  
  
*F2*  
*F3*  
1  
*[S]/l*  
period  
/  
*[S]*  
  
*F5*  
*F6*  
*[S]/p*  
insert  
  
*F4*  
n  
t  
*[S]/t*  
  
w  
*[S]/w*  
e  
*[S]/e*  
o  
*[S]/o*

<sup>a</sup>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.