

Allegro X PCB and Package Physical Layout Command Reference

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Allegro X PCB and Package Physical Layout Command Reference

The command reference for the physical layout tools contains information on commands available in the following products:

- Allegro X PCB Editor
- Allegro X Advanced Package Designer (APD)
- Allegro X Package SI (AP SI)
- Allegro X PCB SI

To view all commands beginning with a specific letter, click the appropriate link, below. For example, to view/print information on `enved`, click E.

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Some layout or package editor commands cannot be undone.

- [PCB Editor Commands that Cannot be Undone](#)
- [PCB Editor Commands that Support Undo and Redo](#)
- [APD Commands that Cannot be Undone](#)
- [APD Commands that Support Undo and Redo](#)

PCB Editor Commands that Cannot be Undone

- `ucp_renumber_refdes_mode`
- `techfile compare`
- `padeditlib`

- ucp_add_pin_search_mode
- ucp_shape_util_merge_mode
- showhide comments
- ucp_shape_poly_add_mode
- signal xtalktable
- ucp_void_poly_add_mode_start_draw
- display param
- simulation workflow
- pdns analysis powernetwork
- ucp_swap_pins_mode
- plot preview
- ncdrill param
- viewlog -last
- pdns analysis dynamiccirdrop
- signal 3d_em
- ucp_place_component_mode
- searchbox filter
- showhide view
- ucp_test_point
- showhide viewsh
- update
- sysfp_sys_view
- ucp_test_point_mode
- pop shape report
- spdif xtractimepa

- undo
- show measure
- save_as
- showhide vis
- show allpanes
- ucp_selection_mode
- pdns returnpath
- spdif 3d_em
- spdif dcviolationmark
- associativity on
- tbx padusage
- plctxt out
- spdif decapplace
- emcontrol
- spdif preferences
- reset dockwindows
- showhide find
- place_area
- color
- grid toggle
- ucp_add_text_mode
- showhide dcm
- pdns display report
- showhide perf
- cns show

- ucp_shape_circ_add_mode
- ucp_place_replicate_create_mode
- comment_edit
- pdns crossprobe
- ucp_add_pad_wizard_mode
- show element
- ncroute
- pdns portgroupg
- ucp_esc_key
- muunlock
- spdif dcfullreport
- ucp_move_mode
- pdns display emviewer
- sigritypi
- plot
- pdns analysis mesh
- pdns model
- ucp_add_connect_mode
- tline calculator
- colorview restore
- zoom previous
- signal powerdc
- capture image
- sysfp
- pdns analysis powerplane

- techfile out
- plot setup
- pdns vprobe manage
- clpcopy
- pdns exit
- redo
- shadow toggle
- pdns vprobe deleteall
- pdns session
- ucp_shape_circ_add_mode_start_draw
- tbx batchplot
- ucp_copy
- pdns vnoise manage
- ucp_delay_tune_mode
- ucp_shape_rect_add_mode_start_draw
- pdns colorlegend
- signal systemsi sla
- showhide viewsv
- pdns vnoise edit
- find_by_name
- reports
- pdns display audit
- odb_out
- pdns vprobe edit
- spdif decapplacementreplicate

- zoom points
- signal init
- ucp_padstack_editor_mode
- rfedit_appm
- dxf out
- specetra_out
- ucp_void_rect_add_mode_start_draw
- pdns prefs
- netout
- pdns decap showeffect
- zoom swap views
- viewlog -browse
- ucp_void_rect_add_mode
- display toolbar param
- create plot
- markup_edit
- muconnect
- ucp_shape_create_dyn_dim_mode
- spdif powerfeasibilityeditor
- spdif opibackannotation
- ucp_switchview
- pdns display impedance
- trapsize
- pdns decap manage
- tbx help

- spdif xtractim
- ucp_shape_edit
- create module
- ucp_place_replicate_apply_mode
- pdns layerignore
- associativity off
- placementedit
- pdns display voltage
- ucp_shape_rect_add_mode
- old_reports
- pdns analysis staticcirdrop
- pdns portgroup
- spdif speed2000
- zoom all
- impvision
- ucp_shape_edit_mode
- ucp_void_circ_add_mode
- 3d
- tbx svgexport
- spdif powerdc
- ucp_swap_components_mode
- spdif optimizepi
- spdif dcautomarkfinish
- create plotunix
- signal prefs

- ucp_create_fanout_mode
- pdns display temprise
- dlib
- pdns pi
- ucp_via_array_mode
- pdns powersupply
- ucp_replace_padstack_mode
- signal speed2000
- spdif xtractimresults
- dfa
- tbx varibom
- ucp_shape_poly_add_mode_start_draw
- ucp_structure_place_mode
- ucp_add_line_mode
- ucp_bend_create_mode
- ucp_shape_edit_mode_from_add
- annotation out
- tbx version
- spdif traceimpedance
- save
- spdif powersi
- signal broadband spice
- ucp_zone_create_mode
- color priority
- tbx netcolorview

- stream out
- shapeedit
- ucp_structure_create_mode
- tbx findpadstack
- spdif dcviolationreport
- pdns excitation
- signal xtractim
- icm_out
- vision manager
- signal library
- subclass
- pdns hideform
- signal model
- signal preferences
- ipc356 out
- active subclass
- flipdesign
- signal optimizepi
- pdns showform
- pdns display current
- spdif dcanalysisiteration
- ucp_void_poly_add_mode
- pdns display mesh
- ucp_shape_util_trim_mode
- enved

- ucp_add_pin_mode
- zoom world
- about
- spdif opibackinfo
- muupdate
- showhide options
- ucp_add_text
- signal traceimpedance
- ucp_void_circ_add_mode_start_draw
- pdns vvrn edit
- signal t2b
- ucpedit
- spdif padstack
- define grid
- feedback
- capture_frame
- redraw
- signal powersi
- ucp_phase_tune_mode
- signal probe
- custom color toggle
- signalintegrity
- color192
- ucp_shape_util_resize_mode
- rtp select

- signal systemsi pba
- zoom out
- colorview create
- show parasitic
- tbx dummyspincol
- status
- signal model refresh
- ucp_design_outline_draw_mode
- spdif dcanalysis
- pdns display
- 3d_xprobe
- ucp_shape_edit_mode2
- shadow
- zoom center
- tbx mfgcollect
- zoom in
- nctape_full
- generaledit
- mulock
- pdns display density
- cdsdoc
- idf out
- extract_ui
- class
- film area

- pdns vvrn manage
- pdns padstack
- http
- aperture
- showhide views1
- zoom fit
- pv_showelem
- etchedit
- ucp_trace_slide_mode

PCB Editor Commands that Support Undo and Redo

- align modules
- rf_tapered_connect
- pdns vnoise
- move vertex
- rf_ac_init
- ucp shape void poly
- pdns vprobe place
- rf_add_connect
- pdns decap place
- fix
- text block
- pdns vnoise place
- ucp_align_center
- add farc

- pdns vprobe
- rf_convert_trace
- ucp_trace_slide_pick
- rf_group_exclude
- delete vertex
- add text
- fse_edge_stretch
- click shape main
- add parallel line
- ucp_hide_connection
- keepout package
- ucp_move
- shape copy layers
- ucp_align_v_dist
- extend segments
- align components
- ucp_shape_update_to_aw_rmb
- tbx coildes
- ucp_taper_edit
- ucp_structure_disband
- rf_ac_disassemble
- fanout_by_pick
- fse_vertex_move
- rep padstack
- rf_display_newcomp

- change width
- elong_by_pick
- ucp_place_replicate_apply
- delete taper
- split plane create
- ucp_shape_update_to_aw
- place interactive
- swap components
- tbx classcolor
- tbx polargrid route
- shapeupdate
- rf_break
- snaketab_generate
- via array
- rf_ac_delete
- pdns vvrn place
- shape_app change type to static
- rf_modify_net
- drag shape main
- ucp_place_component
- add line
- trim shape vertices
- tbx xsecgen
- ucp_structure_redefine
- island_delete

- place replicate create
- place fsp
- phase_tune
- change class
- snaketab_delete
- add connect
- line fattening
- tbx advmirror
- keepout gloss
- ucp_structure_lock
- ucp_shortcut
- shape_onepick
- rf_any_angle_bend
- tbx variassy
- tbx labeltune
- ucp void_onepick add circle
- rf_group_disband
- ucp_delay_tune_pick
- shape_app void move
- embed prop
- add tangent line
- notch shape segment
- add taper
- add circle
- quickplace

- fse_vertex_convert
- add vertex
- move
- rf_ac_assemble
- shape change type
- custom smooth
- draft chamfer
- pdns vvrn
- ucp_shape_convert
- clppaste
- ucp_shape_edit_boundary
- rf_delete
- shape operations and
- ucp_paste
- shape_app void copy
- board outline
- add arc
- move shape segment
- dimension edit
- fse_shape_logicop
- ucp_padstack_editor
- ucp_place_replicate_create
- rf_shape2component
- offset copy
- rf_add_viaarray

- property edit
- keepout shape
- ucp_add_connect_pick_empty
- use altsym
- tbx aoicheck
- bend area edit
- board keepout
- bend area create
- ripup etch
- groupedit
- mirror
- swap functions
- ucp_align_middle
- add rect
- keepin router
- trim segments
- delete_tab
- assign color
- change
- move_tab
- restore waived drc
- ucp_via_array_pick
- ucp_shape_delete_islands
- ucp_ungroup
- ucp_align_top

- swap modules
- rf_add_trace
- spin
- offset move
- fse_arc_tangent
- rf_quickplace
- unfix
- rf_snap
- ucp_flip_y
- rf_group_copy
- spread clines
- plc chglyr
- ucp_shape edit mode2 drag
- keepout probe
- resize_respace_dp
- fse_vertex_insert
- rf_direct_connect
- ucp_place_mechanical
- rf_push
- replace padstack
- zcopy shape
- ucp_phase_tune_pick
- shape merge shapes
- tbx shieldgen
- ucp_rotate_cw

- ucp_flip_x
- change void size
- tbx changewidth
- unplace component
- shape_app change type to dynamic
- pdns decap
- shape assign net
- change font
- ucp_mirror
- tbx polargrid setup
- ucp_shape_util_resize
- fse_break_delete
- define via structure
- route_by_pick
- ucp_swap_components_pick
- create fanout
- shape_app add void
- add frect
- shape
- tbx shapeutils
- show waived drcs
- fse_shape_scale
- ucp_shape edit mode2 delete
- keepin photo
- connect lines

- ucp shape void rectangle
- sq_pitch_spread
- tbx customvar
- testprep manual
- relative move
- ucp_structure_place
- create detail
- swap pins
- blank waived drcs
- via assign net
- mark fanout
- tbx push2grid
- package_height
- linefont
- decompose shape
- group add
- ucp shape void circle
- tbx shieldroute
- ucp_shape_delete_islands_rmb
- zone create
- ucp_design_outline_draw
- refresh syminst
- deassign color
- shape_app add circle
- delete component

- dehighlight sym net
- ucp_create_fanout
- tbx silkscreen
- slide
- add flash
- ucp_structure_unlock
- ucp_move_shape_from_shape_edit
- generate_tabs
- ucp_align_right
- rf_group_add
- compose shape
- tbx genmask
- copy
- waive drc
- miter_by_pick
- ucp_add_connect_pick
- unmark fanout
- thieving
- ucp_add_pin
- ucp_zone_create
- ucp_bend_create
- delete
- ucp_teardrop_edit
- rf_scaled_copy
- tbx polargrid place

- zone manager
- paste
- shape defer fill
- join shape segment
- shape operations andnot
- vertex
- rf_autoplace
- board plane
- keepout via
- tbx barcode
- change shape size
- fse_seg_tangent
- relative copy
- ucp void_onepick add rect
- ucp_rotate_ccw
- ucp_align_left
- shape_app add
- ucp_group
- ucp_add_pin_search
- ucp_align_h_dist
- rf_manualplace
- rf_component2shape
- ucp_shape edit mode2 pick
- tbx advtpcheck
- delete by line

- restore waived drcs
- room outline
- shape operations xor
- ucp_delete
- shape vertex add
- tbx cafdrc
- rf_single_segment_connect
- rf_chamfer
- fiber_weave
- rf_add_component
- delete by rectangle
- snake
- hilight sym net
- keepout router
- ucp_align_bottom
- place manual
- spread between voids
- clear color
- slide shape segment
- fse_edge_spread
- ucp_replace_padstack
- tbx zdrc
- add perp line
- pdns vvrn deleteall
- rf_flip

- ucp void_onepick add poly
- tbx crosscopy
- move shape vertex
- unmiter_by_pick
- highlight
- fse_shape_chamfer
- trim shape vertex
- tbx polargrid shape
- fse_end_connect
- ucp_structure_replace
- shape_app add rect
- shape_app void delete
- place replicate read
- ucp_show_connection
- ucp_add_refdes
- add pin
- highlight sov
- shape operations or
- text edit
- disband group
- ucp_shape edit mode2 delete vertex
- fse_edge_move
- copy component
- rf_change
- rf_cline_convert

- keepout wire
- extend shape segment
- draft fillet
- ucp_shape_util_merge
- ucp_add_pad_wizard
- keepin package
- delay tune
- dehighlight
- place replicate apply
- ucp_shape_util_trim
- ncdrill legend
- tbx changenet
- change layer
- update pcell_symbols
- ucp_paste_special
- ucp_add_line
- add rarc
- place replicate update
- shape operations
- ucp_swap_pins_pick
- ucp_shape_create_dyn_dim
- pdns vnoise deleteall
- copy fanout
- ucp_structure_create

APD Commands that Cannot be Undone

- net delay report
- lef lib
- def out
- dbp_report die
- mcm out
- die text out
- dbp_report net
- dbp_report package
- metal usage report
- symbol to spreadsheet
- wbedit
- bga text out
- aif out
- design summary report
- cond length report
- symboledit
- dbp_report bondpad
- dbp_report
- allegro_component

APD Commands that Support Undo and Redo

- layer compare diff
- shape to via
- symed respace driver
- rename net
- adv nonstandard fillets

- rfsip route
- rfplace
- wbedit_add_channel
- delete all rulers
- symed copy grid
- shape zigzag
- create bounding shape
- wbedit_min_drc
- wirebond select
- widen clines
- symed change refdes
- wirebond soldermask create
- add nonstandard fillet
- symed move origin
- wirebond unlock
- symed copy driver
- lock symbol
- degas off grid
- pbar check
- symed drag
- bondwire text in
- wbedit_unmerge
- symed compare abstract
- assign route layer
- create hsvia structure

- wirebond add
- symed add grid
- lef pin param
- wbedit_add_guide
- create net
- symed move driver
- wbedit_create_ring
- delete fillet
- wbedit_change
- symed unplace driver
- calc min airgap
- assign plating layer
- wbedit_best_path
- multi shape params
- disband via structure
- line to cline
- adv thieving
- rpn
- wbedit_add
- shape_width_auto_fix
- push connectivity
- dpn
- bpa
- symed place driver
- symed cte adjust

- symed finish
- define shorting scheme
- symed dblclk
- derive assignment
- void adjacent layer shapes
- redefine via structure
- graphic edit
- wbedit_edit_stubs
- wbedit_add_unwired
- acute angle cover
- symed optimize codesign rats
- symed delete pin
- cline change width
- shorting via array
- wbedit_assign_ring
- symed renumber pins
- symed align driver
- wirebond add flag
- symed delete grid
- symed swap drivers
- wbedit_move_guide
- die in
- unlock via structure
- symed io spreadsheet
- wirebond edit

- symed move pin
- symed text settings
- replace via with structure
- wirebond bond leads
- purge unused nets
- symed change pin
- wbedit_copy
- pbar delete
- wbedit_dblclk
- symed modify driver
- create structure
- symed delete driver
- wbedit_auto_bond
- wbedit_cut
- rfedit
- wbedit_space_evenly
- pkg connector create
- offset via gen
- bondpad dehilite
- cline to shape
- shape to cline
- symed grid pitch
- wbedit_profile
- wirebond add nonstandard
- symed change bump

- purge unplaced comps
- wbedit_populate_guide
- pin highlight
- wirebond update instances
- symed replace driver
- auto assign net
- place structure
- symed add pin
- wbedit_delete
- wirebond modify
- add ruler
- create via structure
- symed edit boundary
- symed swap pins
- via text in
- wirebond lock
- symed align pins
- wbedit_jumper
- wbedit_center_wires
- wbedit_copy_guide
- wbedit_delete_channel
- symed toggle drivers
- degas
- replace via structure
- wirebond manage guide paths

- add fillet
- symed refresh driver def
- symed write device
- finger highlight
- wbedit_swap
- wbedit_resize_ring
- wbedit_drag
- lock via structure
- assign net
- wbedit_edit_guide
- crosshatch void fill
- pad to shape
- pad degassing
- unlock symbol
- wbedit_heal
- wbedit_move
- symed respace pins
- symed copy pin
- wirebond tack point
- symed copy component
- wbedit_redistribute
- pbar create
- wbedit_merge
- metal density scan
- via align

- bondpad hilite
- pkg connector delete
- merge shorted nets
- symed write package
- pring wizard
- update vs rpnet
- symed grid numbering
- symed add driver
- def in
- symed change partname
- deassign net
- symed add keepout
- create short

