cadence™

Allegro®
PCB and Package Physical Layout Command Reference Table of Contents

Series XL and GXL

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Contents

Allegro® 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 PCB Editor
- Allegro Package Designer (APD)
- Allegro Package SI (AP SI)
- Allegro PCB SI
- SiP Digital Architect/SiP Layout
- SiP RF Layout
- SiP Digital 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

Tip

Press the F1 function key anywhere on your Cadence tool interface to display the Help topic for the command you are running!

For complete console window command-to-menu choice mapping for the products listed above, see Command Mapping.

Command Mapping

This document maps product menu choices to command window commands.

- Allegro PCB Editor
  - File
  - Edit
  - View
  - Add
  - Display
  - Setup
  - Shape
  - Layout
  - Logic
  - Place
  - Route
  - Analyze
  - Manufacture
  - RF-PCB
  - Tools
  - Help
- Allegro PCB SI
  - File
  - View
  - Display
  - Setup

- Logic
- Place
- Route
- Analyze
- Tools
- Help

- APD/AP SI
  - File
  - Edit
  - View
  - Add
  - Display
  - Setup
  - Layout
  - Shape
  - Generate
  - Logic
  - Place
  - Route
  - Analyze
  - Manufacture
  - Tools
  - Help
- SiP Digital Architect/SiP Layout
  - File
  - Edit
  - View

- Add
- Display
- Setup
- Layout
- Shape
- Logic
- Place
- Route
- Analyze
- Manufacture
- RF-PCB
- Reports
- Tools
- Help

■ SiP RF Layout

- File
- Edit
- View
- Add
- Display
- Setup
- Layout
- Shape
- Logic
- Place
- Route
- Analyze

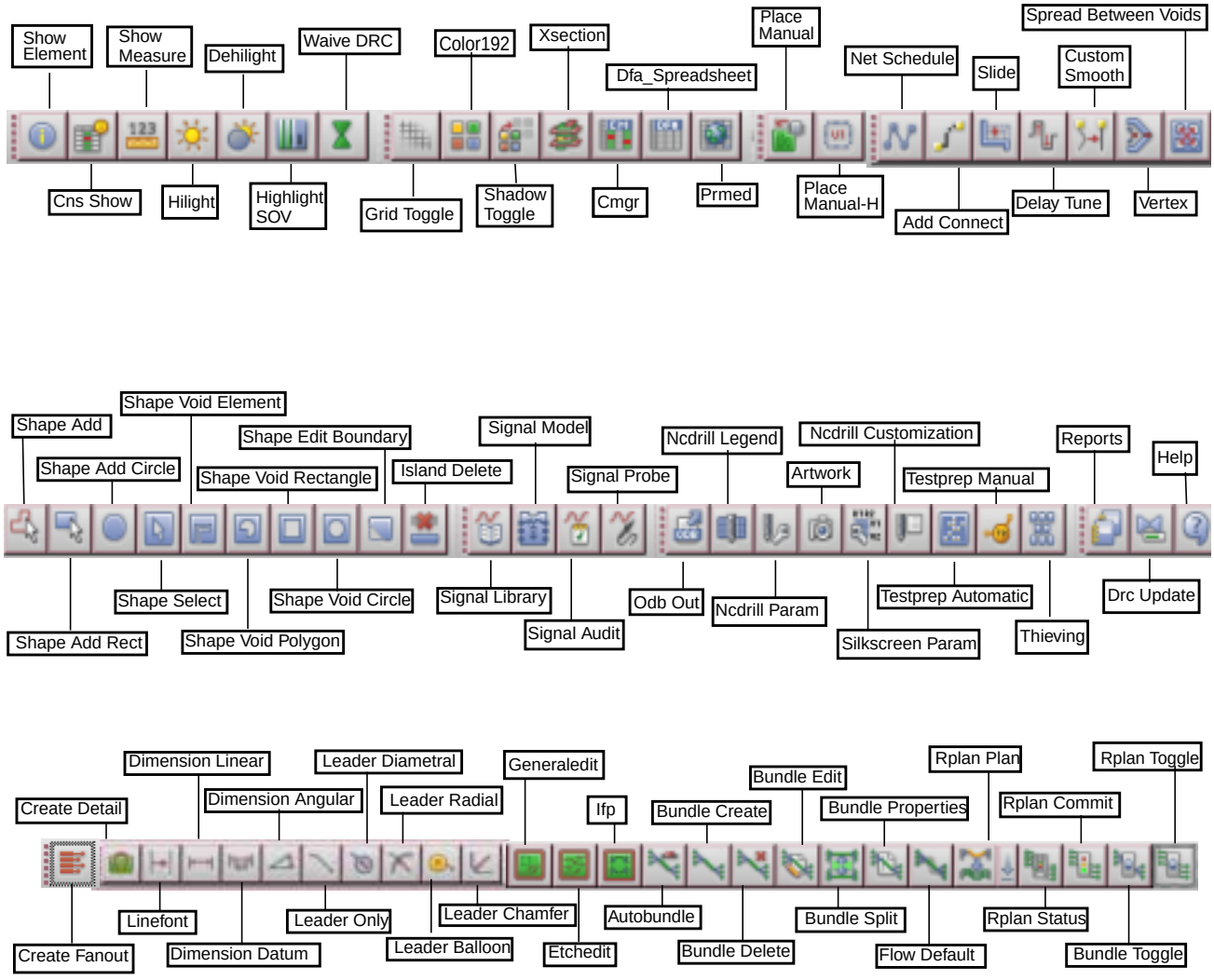
- Manufacture
- Reports
- Tools
- RF Module
- Help

- SiP Digital SI
  - File
  - Edit
  - View
  - Add
  - Display
  - Setup
  - Layout
  - Logic
  - Place
  - Route
  - Analyze
  - Reports
  - Tools
  - Help

Allegro PCB Editor

The following diagram identifies the Allegro PCB Editor user interface toolbar icons, which execute the same console window commands corresponding to product menu choices. Your toolbar configuration may differ. You can also hover your cursor over each icon to display a data tip that identifies its function.

Figure A-1 Allegro PCB Editor Toolbar Icons



The command mapping in Table A-1 lists the menu choices that can be found in the different modes (Layout and Symbol) of Allegro PCB Editor. If you are running a different product in the Allegro family (for example, PCB Design 220), some commands listed here might not be available.

Table A-1 Allegro PCB Editor Command Mapping

Menu Choice	Console Window Command

Table A-1 Allegro PCB Editor Command Mapping

File	
File – New	new
File – Open	open
File – Recent Designs	opencd
File – Save	save
File – Save As	save_as
File – Create Symbol	create symbol (in Symbol Editor only)
File – Import – Logic	netin param
File – Import – Artwork	load photoplot
File – Import – Stream	load stream
File – Import – IPF	load plot
File – Import – DXF	dxf in
File – Import – IDF	idf in
File – Import – IFF	iff in
File – Import – Router	specctra in
File – Import – PADS	pads in
File – Import – PCAD	pcad in
File – Import – OrCAD Layout	orcad in
File – Import – Sub-Drawing	clppaste
File – Import – Techfile	techfile in
File – Import – Parameters	param in
File – Import – Active Times	signal atimes
File – Import – Placement	plctxt in
File – Import – Annotations	annotation in
File – Import – Pin Delay	pin delay in
File – Export – Logic	feedback

Table A-1 Allegro PCB Editor Command Mapping

File – Export – Netlist w/Properties	`netout`
File – Export – IPF	`create_plot`
File – Export – DXF	`dxf_out`
File – Export – IDF	`idf_out`
File – Export – Router	`specctra_out`
File – Export – Sub-Drawing	`clpcopy`
File – Export – Libraries	`dlib`
File – Export – Techfile	`techfile_out`
File – Export – Parameters	`param_out`
File – Export – Placement	`plctxt_out`
File – Export – Annotations	`annotation_out`
File – Export – InterComm	`icm_out`
File – Export – IPC 356	`ipc356_out`
File – Export – ODB ++ inside	`odb_out`
File – Export – Save Design to 16.01	`downrev`
File – Export – Pin Delay	`pin_delay_out`
File – Viewlog	`viewlog`
File – File Viewer	No corresponding command
File – Plot Setup	`plot_setup`
File – Plot Preview (Windows only)	`plot_preview`
File – Plot	`plot`
File – Properties	`file_property`
File – Change Editor	`toolswap`
File – Script	`script`
File – Exit	`exit`
Edit	
Edit – Undo	`undo`
Edit – Redo	`redo`

Table A-1 Allegro PCB Editor Command Mapping

Edit – Move	move
Edit – Copy	copy
Edit – Mirror	mirror
Edit – Spin	spin
Edit – Change	change
Edit – Delete	delete
Edit – Z-Copy	zcopy shape
Edit – Split Plane – Parameters	split plane param
Edit – Split Plane – Create	split plane create
Edit – Vertex	vertex
Edit – Delete Vertex	delete vertex
Edit – Text	text edit
Edit – Groups	groupedit
Edit – Properties	property edit
Edit – Net Properties	net_properties
View	
View – Zoom By Points	zoom points
View – Zoom Fit	zoom fit
View – Zoom In	zoom in
View – Zoom Out	zoom out
View – Zoom World	zoom world
View – Zoom Center	zoom center
View – Zoom Previous	zoom previous
View – Color View Save	colorview create
View – Color View Restore Last	colorview restore
View – Windows – Command	showhide text
View – Windows – World View	showhide view
View – Windows – Options	showhide options

Table A-1 Allegro PCB Editor Command Mapping

View – Windows – Find	showhide find
View – Windows – Visibility	showhide vis
View – Windows – Show All	show allpanes
View – Refresh	redisplay
View – Customization – Toolbar	No corresponding command
View – Reset UI to Cadence Default	reset dockwindows
Add	
Add – Line	add line
Add – Arc w/Radius	add rarc
Add – 3pt Arc	add arc
Add – Circle	add circle
Add – Rectangle	add rect
Add – Frectangle	add frect
Add – Text	add text
Display	
Display – Color/Visibility	color192
Display – Layer Priority	layer priority
Display – Status	status
Display – Element	show element
Display – Measure	show measure
Display – Constraint	cns show
Display – Parasitic	show parasitic
Display – Property	show property
Display – Segments Over Voids	highlight sov
Display – Assign Color	assign color
Display – Highlight	hilight
Display – Dehighlight	dehilight
Display – Waive DRCs – Waive	waive drc

Table A-1 Allegro PCB Editor Command Mapping

Display – Waive DRCs – Show	show waived drcs
Display – Waive DRCs – Blank	blank waived drcs
Display – Waive DRCs – Restore	restore waived drc
Display – Waive DRCs – Restore All	restore waived drcs
Display – Show Rats – All	rats all
Display – Show Rats – All Unbundled Rats	rats unbundled show all
Display – Show Rats – All Bundled Rats	rats bundled show all
Display – Show Rats – Unplanned Rats	rats show unplanned
Display – Show Rats – Components	rats component
Display – Show Rats – Net	rats net
Display – Show Rats – Of Selection	rats show
Display – Show – Bundles – All	bundle show all
Display – Show – Bundles – Selected	bundle show
Display – Show – Router Plan – All	rplan show all
Display – Show – Router Plan – All Bundles	rplan bundled show
Display – Show – Router Plan – All Random Logic	rplan unbundled show all
Display – Show – Router Plan – Of Selection	rplan show
Display – Show – Router Plan – Bundle Plan of Selection	rplan bundled show
Display – Blank Rats – All	unrats all
Display – Blank Rats – All Bundled Rats	rats bundled blank all
Display – Blank Rats – Components	unrats component
Display – Blank Rats – Nets	unrats net
Display – Blank Rats – Of Selection	rats blank
Display – Blank Bundles – All	bundle blank all
Display – Blank Bundles – Selected	bundle blank
Display – Blank Bundles – Unselected	bundle blank unselected
Display – Blank Router Plan – All	rplan blank all

Table A-1 Allegro PCB Editor Command Mapping

Display – Blank Router Plan – All Bundles	`rplan bundled blank all`
Display – Blank Router Plan – All Random Logic	`rplan unbundled blank all`
Display – Blank Router Plan – Of Selection	`rplan blank`
Display – Blank Router Plan – Bundle Plan of Selection	`rplan bundled blank`
Setup	
Setup – Design Parameters	`prmed`
Setup – Application Mode – General Edit	`generaledit`
Setup – Application Mode – Place Mode	`placementedit`
Setup – Application Mode – Etch Edit	`etchedit`
Setup – Application Mode – Flow Planning	`ifp`
Setup – Application Mode – None	`noappmode`
Setup – Grids	`define grid`
Setup – Cross-section	`define lyrstack`
Setup – Unused Pads Suppression	`unused pads`
Setup – Subclasses	`define subclass`
Setup – Materials	`define materials`
Setup – Vias – Define B/B Via	`define bbvia`
Setup – Vias – Auto Define B/B Via	`auto define bbvia`
Setup – Enable On-Line DRC	`cns onlinedrc`
Setup – Constraints – Modes	`cns cmmodes`
Setup – Constraints – Electrical	`cmgr electrical`
Setup – Constraints – Physical	`cmgr physical`
Setup – Constraints – Spacing	`cmgr spacing`
Setup – Constraints – Physical Net Overrides	`property edit`
Setup – Constraints – Spacing Net Overrides	`property edit`
Setup – Constraints – DFA Constraint Spreadsheet	`dfa spreadsheet`
Setup – Constraints – Constraint Manager	`cmgr`

Table A-1 Allegro PCB Editor Command Mapping

Setup – Property Definitions	define property
Setup – Define Lists	define list
Setup – Areas – Package Keepin	keepin package
Setup – Areas – Package Keepout	keepout package
Setup – Areas – Package Height	package_height
Setup – Areas – Route Keepin	keepin router
Setup – Areas – Route Keepout	keepout router
Setup – Areas – Wire Keepout	keepout wire
Setup – Areas – Via Keepout	keepout via
Setup – Areas – Shape Keepout	keepout shape
Setup – Areas – Probe Keepout	keepout probe
Setup – Areas – Gloss Keepout	keepout gloss
Setup – Areas – Photoplot Outline	keepin photo
Setup – User Preferences	enved
Layout	
Layout menu choices are available only in the Symbol Editor	
Layout – Pins	add pin
Layout – Connections	add connect
Layout – Slide	slide
Layout – Labels – RefDes	label refdes
Layout – Labels – Device	label device
Layout – Labels – Value	label value
Layout – Labels – Tolerance	label tolerance
Layout – Labels – Part Number	label part
Shape	
Shape – Polygon	shape add
Shape – Rectangular	shape add rect
Shape – Circular	shape add circle

Table A-1 Allegro PCB Editor Command Mapping

Shape – Manual Void – Polygon	shape void polygon
Shape – Select Shape or Void	shape select
Shape – Manual Void – Rectangular	shape void rectangle
Shape – Manual Void – Circular	shape void circle
Shape – Manual Void – Delete	shape void delete
Shape – Manual Void – Element	shape void element
Shape – Manual Void – Move	shape void move
Shape – Manual Void – Copy	shape void copy
Shape – Edit Boundary	shape edit boundary
Shape – Delete Islands	island_delete
Shape – Change Shape Type	shape change type
Shape – Merge Shapes	shape merge shapes
Shape – Check	shape check
Shape – Compose Shape	compose shape
Shape – Decompose Shape	decompose shape
Shape – Global Dynamic Params	shape global param
Logic	
Logic – Net Logic	net logic
Logic – Net Schedule	net schedule
Logic – Assign Differential Pair	diff pairs
Logic – Identify DC Nets	identify nets
Logic – Assign RefDes	assign refdes
Logic – Auto Rename RefDes – Rename	rename param
Logic – Auto Rename RefDes – Design	rename area design
Logic – Auto Rename RefDes – Room	rename area room
Logic – Auto Rename RefDes – Window	rename area window
Logic – Auto Rename RefDes – List	rename area list
Logic – Change Parts	partedit

Table A-1 Allegro PCB Editor Command Mapping

Logic – Part Logic...	partlogic
Logic – Terminator Assignment	ecl param
Place	
Place – Manually	place manual
Place – Quickplace	quickplace
Place – Router	specctra
Place – Autoplace – Insight	place insight
Place – Autoplace – Parameters	place param
Place – Autoplace – Top Grids	place set topgrid
Place – Autoplace – Bottom Grids	place set bottomgrid
Place – Autoplace – Design	place area design
Place – Autoplace – Room	place area room
Place – Autoplace – Window	place area window
Place – Autoplace – List	place area list
Place – Interactive	place interactive
Place – Swap – Pins	swap pins
Place – Swap – Functions	swap functions
Place – Swap – Components	swap components
Place – Autoswap – Parameters	swap param
Place – Autoswap – Design	swap area design
Place – Autoswap – Room	swap area room
Place – Autoswap – Window	swap area window
Place – Autoswap – List	swap area list
Place – Via Arrays – Via Array	add_viaarray
Place – Via Arrays – Boundary Via Array	add_bviaarray
Place – Via Arrays – Circular Via Array	add_cviaarray
Place – Via Arrays – Cline Via Array	add_lviaarray
Place – Via Arrays – Offset Via Array	add_oviaarray

Table A-1 Allegro PCB Editor Command Mapping

Place – Update Symbols	refresh symbol
Place – Replace SQ Temporary – Devices	replace temp device
Place – Replace SQ Temporary – Symbols	replace temp symbols
Place – Design Partition – Create Partitions	partition
Place – Design Partition – Workflow Manager	workflow
Place – Design Partition – Guideports	guideport
Place – Design Parition – Soft Net Assignment	soft net
Route	
Route – Connect	add connect
Route – Slide	slide
Route – Delay Tune	delay tune
Route – Custom Smooth	custom smooth
Route – Create Fanout	create fanout
Route – Copy Fanout	copy fanout
Route – Define Via Structure	define via structure
Route – Convert Fanout – Mark	mark fanout
Route – Convert Fanout – Unmark	unmark fanout
Route – Fanout by Pick	fanout_by_pick
Route – Route Net(s) by Pick	route_by_pick
Route – Elongation by Pick	elong_by_pick
Route – Router Checks	specctra checks
Route – Optimize Rat Ts	optimize_ts
Route – Route Automatic	auto_route
Route – Custom	custom_route
Route – Router Editor	specctra
Route – Miter by Pick	miter_by_pick
Route – Unmiter by Pick	unmiter_by_pick
Route – Spread Between Voids	spread_between_voids

Table A-1 Allegro PCB Editor Command Mapping

Route – Line Fattening	line fattening
Route – Gloss – Add Fillet	add_fillet
Route – Gloss – Delete Fillet	delete_fillet
Route – Gloss – Parameters	gloss param
Route – Gloss – Design	gloss area design
Route – Gloss – Room	gloss area room
Route – Gloss – Window	gloss area window
Route – Gloss – Highlight	gloss area highlight
Route – Gloss – List	gloss area list
Analyze	
Analyze – SI/EMI Sim – Initialize	signal init
Analyze – SI/EMI Sim – Library	signal library
Analyze – SI/EMI Sim – Model	signal model
Analyze – SI/EMI Sim – Model Dump/Refresh	signal model refresh
Analyze – SI/EMI Sim – Preferences	signal prefs
Analyze – SI/EMI Sim – Audit – Design Audit	signal audit
Analyze – SI/EMI Sim – Audit – Net Audit	signal audit net
Analyze – SI/EMI Sim – Audit – Audit One Library	signal lib audit
Analyze – SI/EMI Sim – Audit – Audit List of Libraries	signal libs audit
Analyze – SI/EMI Sim – Probe	signal probe
Analyze – SI/EMI Sim – Xtalk Table	signal xtalktable
Analyze – EMI Rule Checker	emcontrol
Analyze – Transmission Line Calculator	tline calculator
Manufacture	
Manufacture – Dimension/Draft commands in the Layout Editor are accessed under the Dimension menu item in the Symbol Editor	
Manufacture – Dimension/Draft – Parameters	draft param
Manufacture – Dimension/Draft – LineFont	linefont

Table A-1 Allegro PCB Editor Command Mapping

Manufacture – Dimension/Draft – Linear Dim	dimension linear
Manufacture – Dimension/Draft – Datum Dim	dimension datum
Manufacture – Dimension/Draft – Angular Dim	dimension angular
Manufacture – Dimension/Draft – Leader Lines	leader only
Manufacture – Dimension/Draft – Diametral Leader	leader diametral
Manufacture – Dimension/Draft – Radial Leader	leader radial
Manufacture – Dimension/Draft – Balloon Leader	leader balloon
Manufacture – Dimension/Draft – Chamfer Leader	leader chamfer
Manufacture – Dimension/Draft – Chamfer	draft chamfer
Manufacture – Dimension/Draft – Fillet	draft fillet
Manufacture – Dimension/Draft – Create Detail	create detail
Manufacture – Artwork	film param
Manufacture – Stream Out	stream out
Manufacture – NC – Drill Customization	ncdrill customization
Manufacture – NC – Drill Legend	ncdrill legend
Manufacture – NC – Backdrill Setup and Analysis	backdrill setup
Manufacture – NC – NC Parameters	ncdrill param
Manufacture – NC – NC Drill	nctape full
Manufacture – NC – NC Route	ncroute
Manufacture – Cut Marks	cut marks
Manufacture – DFx Check (legacy)	dfa
Manufacture – Create Coupons	create coupons
Manufacture – Silkscreen	silkscreen param
Manufacture – Testprep – Automatic	testprep automatic
Manufacture – Testprep – Manual	testprep manual
Manufacture – Testprep – Properties	testprep properties
Manufacture – Testprep – Fix/unfix testpoints	testprep fix
Manufacture – Testprep – Create FIXTURE	testprep createfixture

Table A-1 Allegro PCB Editor Command Mapping

Manufacture – Testprep – Create NC drill data	`testprep ncdrill`
Manufacture – Testprep – Density Check	`testprep density`
Manufacture – Testprep – Resequence	`testprep resequence`
Manufacture – Thieving	`thieving`
Manufacture – Variants – Create Assembly Drawing	`variant assembly`
Manufacture – Variants – Create Bill of Materials	`variant bom`
RF-PCB	
RF-PCB – Setup	`rf_setup`
RF-PCB – Repackage	`rf_repackage`
RF-PCB – Load Module	`rf_load module`
RF-PCB – Place	`rf_add_component`
RF-PCB – Route – Add Connect	`rf_route`
RF-PCB – Route – Direct Connect	`rf_direct_connect`
RF-PCB – Edit – Change	`rf_change`
RF-PCB – Edit – Snap	`rf_snap`
RF-PCB – Edit – Flip	`rf_flip`
RF-PCB – Edit – Push	`rf_push`
RF-PCB – Edit – Delete	`rf_delete`
RF-PCB – Edit – Scaled Copy	`rf_scaled_copy`
RF-PCB – Edit – Modify Connectivity	`rf_modify_net`
RF-PCB – Edit – Copy	`rf_group_copy`
RF-PCB – Edit – VAR Edit	`rf_varedit`
RF-PCB – Flexible Shape Editor – Edge Move	`fse_edge_move`
RF-PCB – Flexible Shape Editor – Edge Stretch	`fse_edge_stretch`
RF-PCB – Flexible Shape Editor – Edge Spread	`fse_edge_spread`
RF-PCB – Flexible Shape Editor – Tangent Segment	`fse_seg_tangent`
RF-PCB – Flexible Shape Editor – Arc Tangent	`fse_arc_tangent`
RF-PCB – Flexible Shape Editor – Line End Connect	`fse_end_connect`

Table A-1 Allegro PCB Editor Command Mapping

RF-PCB – Flexible Shape Editor – Break and Delete	fse_break_delete
RF-PCB – Flexible Shape Editor – Vertex Insert	fse_vertex_insert
RF-PCB – Flexible Shape Editor – Vertex Convert	fse_vertex_convert
RF-PCB – Flexible Shape Editor – Shape Operations	fse_shape_logicop
RF-PCB – Flexible Shape Editor – Shape Corner Chamfer	fse_shape_chamfer
RF-PCB – Flexible Shape Editor – Shape Scale	fse_shape_scale
RF-PCB – Flexible Shape Editor – Multi-Layer Shape ZCopy	fse_shape_zcopy
RF-PCB – Flexible Shape Editor – Undo Multi-Layer ZCopy	fse_shape_unzcopy
RF-PCB – Display – Information	rf_display_info
RF-PCB – Display – Measurement	rf_measure
RF-PCB – Display – New Components	rf_display_newcomp
RF-PCB – Convert – Tapered Pin Connect	rf_tapered_connect
RF-PCB – Convert – Chamfer	rf_chamfer
RF-PCB – Convert – Shape to Component	rf_shape2component
RF-PCB – Convert – Component to Shape	rf_component2shape
RF-PCB – Convert – Cline to Tline Conversion	rf_cline_convert
RF-PCB – IFF Interface – Import	rf_iff_import
RF-PCB – IFF Interface – Export	rf_iff_export
RF-PCB – IFF Interface – SMT Library Translator	rf_libxlator
Tools	
Tools – Create Module	create module
Tools – Padstack – Modify Design Padstack	padeditdb
Tools – Padstack – Modify Library Padstack	padeditlib
Tools – Padstack – Replace	replace padstack
Tools – Padstack – Group Edit	multpadedit
Tools – Padstack – Refresh	refresh padstack

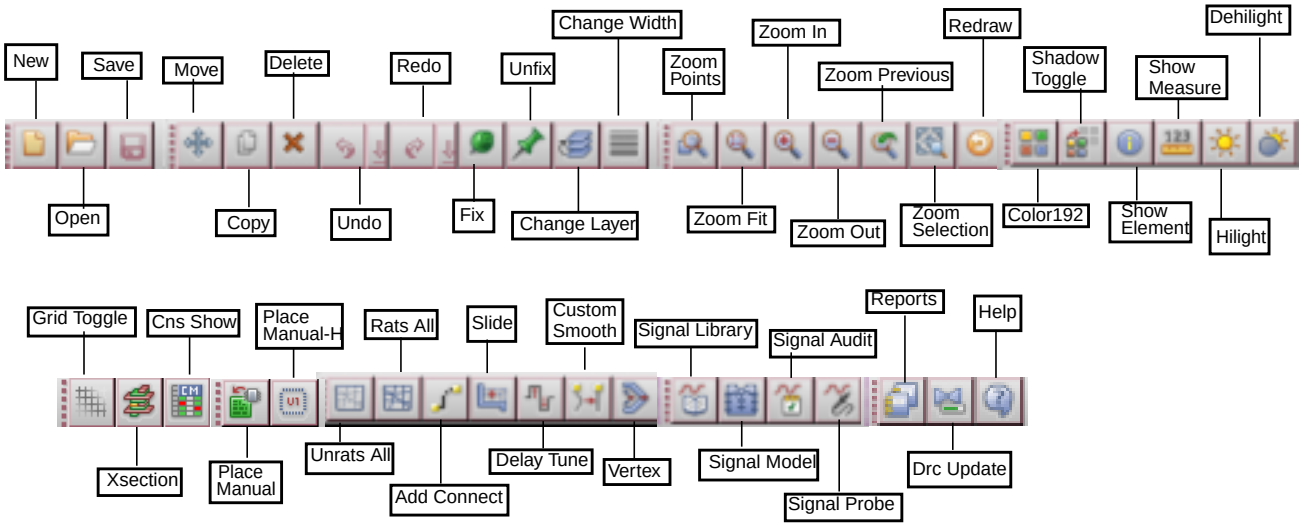
Table A-1 Allegro PCB Editor Command Mapping

Tools – Pad – Boundary	editpad boundary
Tools – Pad – Restore	editpad restore
Tools – Pad – Restore ALL	editpad restore all
Tools – Silkscreen	silkscreen param
Tools – Derive Connectivity	derive connectivity
Tools – Reports	reports
Tools – Technology File Compare	techfile compare
Tools – Setup Advisor	setup advisor
Tools – Database Check	dbdoctor
Tools – Update DRC	drc update
Help	
Help – Documentation	cdsdoc
Help – What's New	No corresponding command
Help – Message Detail	smi essage detail
Help – Web Resources – KP&S	Web URL
Help – Web Resources – cdnUsers.org	Web URL
Help – Web Resources – Sourcelink	Web URL
Help – Web resources – Web Collaboration	Web URL
Help – Web Resources – Education Services	Web URL
Help – About	about

Allegro PCB SI

The following diagram identifies the Allegro PCB SI user interface toolbar icons, which execute the same console window commands corresponding to product menu choices. Your toolbar configuration may differ. You can also hover your cursor over each icon to display a datatip that identifies its function.

Figure A-2 Allegro PCB SI Toolbar Icons



The command mapping in Table A-2 lists the menu choices in Allegro SI.

Table A-2 Allegro SI Command Mapping

Menu Choice	ConsoleWindow Command
File	
File – New	new
File – Open	open
File – Recent Designs	opencd
File – Save	save
File – Save As	save_as

Table A-2 Allegro SI Command Mapping

File – Create Symbol	`create symbol` (in Symbol Editor only)
File – Import – Logic	`netin param`
File – Import – Router	`specctra in`
File – Import – Techfile	`techfile in`
File – Import – Active Times	`signal atimes`
File – Import – Timing	`import timing`
File – Export – Pin Delay	`pin delay in`
File – Import – Mentor	`import mentor`
File – Import – Board	`boardoutline import`
File – Export – Logic	`feedback`
File – Export – Netlist w/Properties	`netout`
File – Export – Pin Delay	`pin delay out`
File – Export – Router	`specctra out`
File – Export – Techfile	`techfile out`
File – Viewlog	`viewlog`
File – File Viewer	No corresponding command
File – Plot Setup	`plot setup`
File – Plot Preview	`plot preview`
File – Plot	`plot`
File – Properties	`file property`
File – Change Editor	`toolswap`
File – Script	`script`
File – Exit	`exit`
Edit	
Edit – Move	`move`
Edit – Copy	`copy`
Edit – Mirror	`mirror`

Table A-2 Allegro SI Command Mapping

Edit – Spin	spin
Edit – Change	change
Edit – Delete	delete
Edit – Vertex	vertex
Edit – Delete Vertex	delete vertex
Edit – Properties	property edit
Edit – Net Properties	net_properties
Edit – Undo	undo
Edit – Redo	redo
View	
View – Zoom By Points	zoom points
View – Zoom Fit	zoom fit
View – Zoom In	zoom in
View – Zoom Out	zoom out
View – Zoom World	zoom world
View – Zoom Center	zoom center
View – Zoom Previous	zoom previous
View – Color View Save	colorview create
View – Color View Restore Last	colorview restore
View – Refresh	redisplay
View – Windows – Command	showhide text
View – Windows – World View	showhide view
View – Windows – Options	showhide options
View – Windows – Find	showhide find
View – Windows – Visibility	showhide vis
View – Windows – Show All	show allpanes
View – Customization – Display	display param
View – Customization – CustomizeToolbar	No corresponding command

Table A-2 Allegro SI Command Mapping

View – Customization – Reset to Default	reset_dockwindows
Display	
Display – Color/Visibility	color192
Display – Color Priority	color priority
Display – Element	show element
Display – Measure	show measure
Display – Property	show property
Display – Parasitic	show parasitic
Display – Segments Over Voids	highlight sov
Display – Ratsnest	ratsnest
Display – Highlight/De-highlight	view hilite
Display – Highlight By Pick	No corresponding command
Display – Dehighlight By Pick	No corresponding command
Display – Waive DRCs – Waive	waive drc
Display – Waive DRCs – Show	show waived drcs
Display – Waive DRCs – Blank	blank waived drcs
Display – Waive DRCs – Restore	restore waived drc
Waive DRCs – Restore All	restore waived drcs
Display – Ratsnest	ratsnest
Display – Blank Rats All	unrats all
Display – Show Rats All	rats all
Setup	
Setup – Design Parameters	prmed
Setup – Cross-section	define lyrstack
Setup – Materials	define materials
Setup – Application Mode – General Edit	generaledit
Setup – Application Mode – Etch Edit	etchedit
Setup – Constraints – Modes	cns cmmodes

Table A-2 Allegro SI Command Mapping

Setup – Constraints – Electrical	cmgr electrical
Setup – Constraints – Physical	cmgr physical
Setup – Constraints – Spacing	cmgr spacing
Setup – Constraints – Physical Net Overrides	property edit
Setup – Constraints – Spacing Net Overrides	property edit
Setup – Constraints – Constraint Manager	cmgr
Setup – Property Definitions	define property
Setup – Define Lists	define list
Setup – Outlines – Room Outline	room outline
Setup – Outlines – Board Outline	board outline
Setup – Outlines – Keepout	board keepout
Setup – Outlines – Plane Outline	board plane
Setup – Notes	edit note
Setup – User Preferences	enved
Logic	
Logic – Parts List	edit parts
Logic – Edit Nets	edit nets
Logic – Net Schedule	net schedule
Logic – Assign Differential Pair	diff pairs
Logic – Identify DC Nets	identify nets
Logic – Create List of Nets	create nets
Logic – Identify Buses	identify buses
Logic – Room Assignment	component assign
Logic – Pin Type	topology pinuse
Logic – Define Terminators	termination edit
Logic – Package Terminators	termination package
Place	
Place – Manually	place manual

Table A-2 Allegro SI Command Mapping

Place – Quickplace	quickplace
Place – Fix Component Location	component fix
Place – Swap – Pins	swap pins
Place – Swap – Functions	swap functions
Place – Swap – Components	swap components
Route	
Route – Connect	add connect
Route – Slide	slide
Route – Delay Tune	delay tune
Route – Custom Smooth	custom smooth
Route – Fanout by Pick	fanout_by_pick
Route – Route Net(s) by Pick	route_by_pick
Route – Elongation by Pick	elong_by_pick
Route – Router Checks	specctra checks
Route – Optimize Rat Ts	optimize_ts
Route – Custom	custom_route
Route – Route Automatic	auto_route
Route – Editor	specctra
Route – Miter by Pick	miter_by_pick
Route – Unmiter by Pick	unmiter_by_pick
Route – Spread Between Voids	spread_between_voids
Route – Gloss – Add Fillet	add_fillet
Route – Gloss – Delete Fillet	delete_fillet
Route – Gloss – Execute	gloss_param
Route – Gloss – Design	gloss area design
Route – Gloss – Room	gloss area room
Route – Gloss – Window	gloss area window
Route – Gloss – Highlight	gloss area highlight

Table A-2 Allegro SI Command Mapping

Route – Gloss – List	gloss area list
Route – Define Net Priority	route priority
Analyze	
Analyze – SI/EMI Sim – Initialize	signal init
Analyze – SI/EMI Sim – Library	signal library
Analyze – SI/EMI Sim – Model	signal model
Analyze – SI/EMI Sim – Model Dump/Refresh	signal model refresh
Analyze – SI/EMI Sim – Preferences	signal prefs
Analyze – SI/EMI Sim – Audit – Design Audit	signal audit
Analyze – SI/EMI Sim – Audit – Net Audit	signal audit net
Analyze – SI/EMI Sim – Audit – Audit One Library	signal lib audit
Analyze – SI/EMI Sim – Audit – Audit List of Libraries	signal libs audit
Analyze – SI/EMI Sim – Probe	signal probe
Analyze – SI/EMI Sim – Xtalk Table	signal xtalktable
Analyze – SI/EMI Sim – Bus Setup	signal bus setup
Analyze – SI/EMI Sim – Bus Simulate	signal bus sim
Analyze – SI/EMI Sim – IR-Drop	irdrop
Analyze – EMI Rule Checker	emcontrol
Analyze – Transmission Line Calculator	tline_calculator
Tools	
Tools – Reports	reports
Tools – Quick Reports	No associated command
Tools – Topology Editor	sigxp
Tools – Model Integrity	model integrity
Tools – Setup Advisor	setup advisor
Tools – Database Check	dbdoctor
Tools – Update DRC	drc update
Help	

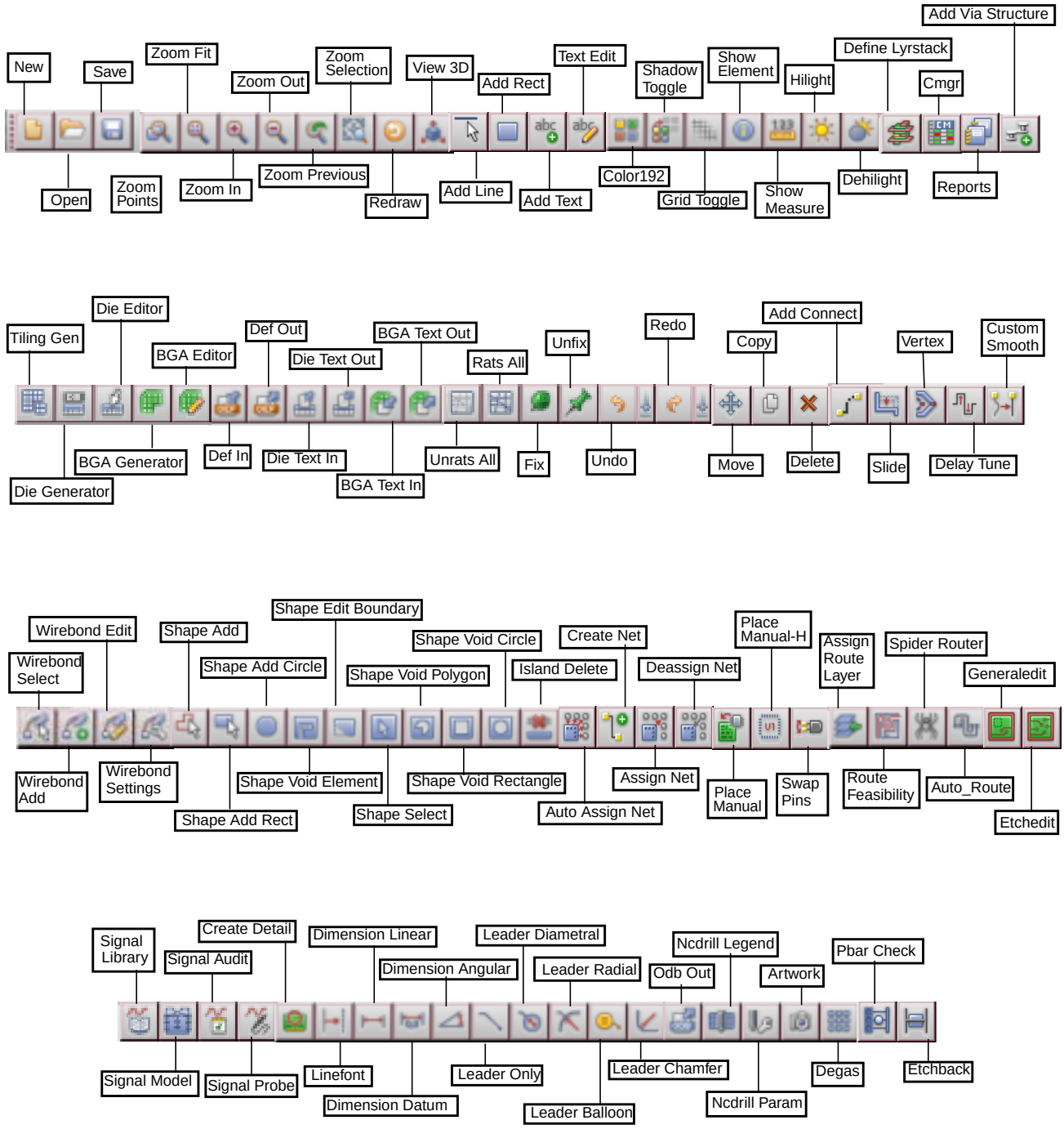
Table A-2 Allegro SI Command Mapping

Help – Documentation	CDNSHelp
Help – Web Resources – KP&S	Web URL
Help – Web Resources – cdnUsers.org	Web URL
Help – Web Resources – Sourcelink	Web URL
Help – Web resources – Web Collaboration	Web URL
Help – Web Resources – Education Services	Web URL
Help – Web Resources – Design Communities	Web URL
Help – About	`about`

APD/AP SI

The following diagram identifies the APD/AP SI user interface toolbar icons, which execute the same console window commands corresponding to product menu choices. Your toolbar configuration may differ. You can also hover your cursor over each icon to display a datatip that identifies its function.

Figure A-3 APD/AP SI Toolbar Icons



The command mapping in Table A-3 lists the menu choices in the different modes (Layout and Symbol) of Allegro Package Designer (APD L and XL) and Allegro Package (AP SI L). Note that some commands may not be available in both products.

Table A-3 APD/AP SI Command Mapping

Menu Choice	Console Window Command
File	
File – New	new
File – Open	open
File – Save	save
File – Save As	save_as
File – Create Symbol	create symbol (in Symbol Editor only)
File – Create Device	create Device (in Symbol Editor only)
File – Import – Netlist-In Wizard (APD XL and APSI)	net_list_in
File – Import – Logic	netin param
File – Import – NA2 (APD L and XL)	na2 import
File – Import – Artwork (APD L and XL)	load photoplot
File – Import – Stream (APD L and XL)	load stream
File – Import – IPF (APD L and XL)	load plot
File – Import – DXF	dxf in
File – Import – AIF	aif in
File – Import – IDF (APD L and XL)	idf in
File – Import – IFF (APD L and XL)	iff in
File – Import – Router	specctra in
File – Import – Sub-Drawing (APD L and XL)	clppaste
File – Import – Techfile	techfile in
File – Import – Parameters	param in
File – Import – Active Times	signal atimes

Table A-3 APD/AP SI Command Mapping

File – Import – Placement (APD L and XL)	plctxt in
File – Import – Paste Resistor (APD L and XL)	film res
File – Import – Annotations (APD L and XL)	annotation in
File – Import – Pin Delay	pin_delay in
File – Export – BGA Text-Out Wizard	bga text out
File – Export – Die Text-Out Wizard	die text out
File – Export – DEF (Die Pins Only) APD XL only	def out
File – Export – OpenAccess (Die Pins Only) UNIX platforms only	oa out
File – Export – Update Co-Design Die Definition (APD XL only)	update codesign die
File – Export – Logic	feedback
File – Export – Netlist w/Properties	netout
File – Export – IPF (APD L and XL)	create plot
File – Export – DXF (APD L and XL)	dxf out
File – Export – IDF (APD L and XL)	idf out
File – Export – AIF	aif out
File – Export – Router	specctra out
File – Export – Sub-Drawing (APD L and XL)	clpcopy
File – Export – Libraries	dlib
File – Export – Techfile	techfile out
File – Export – Parameters	param out
File – Export – Placement (APD only)	plctxt out
File – Export – Board Level Component (APD L and XL)	allegro component
File – Export – Symbol Spreadsheet (APD L and XL)	symbol to spreadsheet
File – Export – Annotations (APD L and XL)	annotation out
File – Export – InterComm (APD L and XL)	icm_out
File – Export – IPC 356 (APD L and XL)	ipc356 out

Table A-3 APD/AP SI Command Mapping

File – Export – ODB ++ inside (APD L and XL)	odb_out
File – Export – Save Design to 16.1	downrev
File – Export – Pin Delay	pin_delay out
File – Viewlog	viewlog
File – File Viewer	No corresponding command
File – Plot Setup	plot setup
File – Plot	plot
File – Properties	file_property
File – Change Editor	toolswap
File – Script	script
File – Recent Designs	opencd
File – Exit	exit
Edit	
Edit – Undo	undo
Edit – Redo	redo
Edit – Move	move
Edit – Copy	copy
Edit – Mirror	mirror
Edit – Spin	spin
Edit – Change	change
Edit – Delete	delete
Edit – Z-Copy	zcopy shape
Edit – Split Plane – Parameters (APD L and XL)	split plane param
Edit – Split Plane – Create (APD L and XL)	split plane create
Edit – Vertex	vertex
Edit – Delete Vertex	delete vertex
Edit – Cline Change Width	cline change width
Edit – Text	text edit

Table A-3 APD/AP SI Command Mapping

Edit – Groups	`groupedit`
Edit – Properties	`property edit`
Edit – Net Properties	`net_properties`
Edit – Die Properties	`die properties`
Edit – LEF Pin Parameters (APD XL only)	`lef pin param`
Edit – Die (APD XL only)	`die editor`
Edit – BGA	`bga editor`
View	
View – Zoom By Points	`zoom points`
View – Zoom Fit	`zoom fit`
View – Zoom In	`zoom in`
View – Zoom Out	`zoom out`
View – Zoom World	`zoom world`
View – Zoom Center	`zoom center`
View – Zoom Previous	`zoom previous`
View – Color View Save	`colorview create`
View – Color View Restore Last	`colorview restore`
View – 3D Model	`view 3d`
View – Redraw	`redisplay`
View – Windows – Command	No corresponding command
View – Windows – World View	No corresponding command
View – Windows – Options	No corresponding command
View – Windows – Find	No corresponding command
View – Windows – Visibility	No corresponding command
View – Windows – Show All	No corresponding command
View – Customize Toolbar	No corresponding command
View – Reset UI to Cadence Default	`reset docwindows`
Add	

Table A-3 APD/AP SI Command Mapping

Add – Line	add line
Add – Arc w/Radius	add rarc
Add – 3pt Arc	add arc
Add – Circle	add circle
Add – Rectangle	add rect
Add – Frectangle	add frect
Add – Text	add text
Add – Co-Design Die (APD XL only)	add codesign die
Add – Standard Die – DEF (Die Pins Only) (APD XL only)	def in
Add – Standard Die – Die Text-In Wizard	die text in
Add – Standard Die – Die Generator	die generator
Add – Standard Die – D.I.E Format	die in
Add – Standard Die – Tiled Die Generator (APD XL only)	tiling gen
Add – BGA – Text-In Wizard	bga text in
Add – BGA – BGA Generator	bga generator
Display	
Display – Color/Visibility	color
Display – Layer Priority	layer priority
Display – Status	status
Display – Element	show element
Display – Measure	show measure
Display – Constraint	cns show
Display – Parasitic	show parasitic
Display – Segments Over Voids (APD XL and AP SI)	highlight sov
Display – Property	show property
Display – Assign Color	assign color

Table A-3 APD/AP SI Command Mapping

Display – Highlight	hilight
Display – Dehighlight	dehilight
Display – Waive DRCs – Waive	waive drc
Display – Waive DRCs – Show	show waived drcs
Display – Waive DRCs – Blank	blank waived drcs
Display – Waive DRCs – Restore	restore waived drc
Display – Waive DRCs – Restore All	restore waived drcs
Display – Pin Highlight	pin highlight
Display – Bond Finger Highlight	bond finger hilite
Display – Bond Finger Dehighlight	bond finger dehilite
Display – Rat Lines by Layer	rats layer
Display – Show Rat Lines – All	rats all
Display – Show Rat Lines – Components	rats component
Display – Show Rat Lines – Net	rats net
Display – Show Rat Lines – Of Selection	rats show
Display – Blank Rats – All	unrats all
Display – Blank Rats – Components	unrats component
Display – Blank Rats – Nets	unrats net
Setup	
Setup – Design Parameters	prmed
Setup – Grids	define grid
Setup – Subclasses (APD L and XL)	define subclass
Setup – Cross-section	define lyrstack
Setup – Unused Pads Suppresion	unused pads
Setup – Materials	define materials
Setup – Application Modes – General Edit	generaledit
Setup – Application Modes – Etch Edit	etchedit
Setup – Application Modes – Place Mode	placementedit

Table A-3 APD/AP SI Command Mapping

Setup – Application Modes – None	noappmode
Setup – Blind/Buried Via Definitions – Define B/B Via (APD L and XL)	define bbvia
Setup – Blind/Buried Via Definitions – Auto Define B/B Via (APD L and XL)	auto define bbvia
Setup – Enable On-Line DRC	cns onlinedrc
Setup – Constraints – Modes	cns cmmodes
Setup – Constraints – Electrical	cmgr elec
Setup – Constraints – Physical	cmgr phys
Setup – Constraints – Spacing	cmgr spac
Setup – Constraints – Same Net Spacing	cmgr snspac
Setup – Constraints – Physical Net Overrides	property edit
Setup – Constraints – Spacing Net Overrides	property edit
Setup – Constraints – DFA Constraint Spreadsheet	dfa spreadsheet
Setup – Constraints – Constraint Manager	cmgr
Setup – Property Definitions	define property
Setup – Define Lists	define list
Setup – LEF Libraries (APD L and XL)	lef lib
Setup – Areas – Component Keepin (APD L and XL)	keepin component
Setup – Areas – Component Keepout (APD L and XL)	keepout component
Setup – Areas – Component Height (APD L and XL)	component_height
Setup – Areas – Route Keepin	keepout router
Setup – Areas – Route Keepout	keepout router
Setup – Areas – Wire Keepout (APD L and XL)	keepout wire
Setup – Areas – Via Keepout	keepout via
Setup – Areas – Shape Keepout	keepout shape
Setup – Areas – Probe Keepout (APD L and XL)	keepout probe
Setup – Areas – Gloss Keepout (APD L and XL)	keepout gloss

Table A-3 APD/AP SI Command Mapping

Setup – Areas – Photoplot Outline (APD L and XL)	`keepin photo`
Setup – User Preferences	`enved`
Layout	**This menu is available only in the Symbol (Part) Editor**
Layout – Pins	`add pin`
Layout – Pin RenNumbering	`rpn`
Layout – Connections	`add connect`
Layout – Slide	`slide`
Layout – Labels – RefDes	`label refdes`
Layout – Labels – Device	`label device`
Layout – Labels – Value	`label value`
Layout – Labels – Tolerance	`label tolerance`
Layout – Labels – Part Number	`label part`
Shape	
Shape – Polygon	`shape add`
Shape – Rectangular	`shape add rect`
Shape – Circular	`shape add circle`
Shape – Select Shape or Void	`shape select`
Shape – Manual Void – Polygon	`shape void polygon`
Shape – Manual Void – Rectangular	`shape void rectangle`
Shape – Manual Void – Circular	`shape void circle`
Shape – Manual Void – Delete	`shape void delete`
Shape – Manual Void – Element	`shape void element`
Shape – Manual Void – Move	`shape void move`
Shape – Manual Void – Copy	`shape void copy`
Shape – Edit Boundary	`shape edit boundary`
Shape – Delete Islands	`island delete`
Shape – Change Shape Type	`shape change type`

Table A-3 APD/AP SI Command Mapping

Shape – Merge Shapes	shape merge shapes
Shape – Check	shape check
Shape – Compose Shape (APD L and XL)	compose shape
Shape – Decompose Shape (APD L and XL)	decompose shape
Shape – Global Dynamic Params	shape global param
Generate	**This menu is available only in APD L and APSI.**
Generate – Die Generator	die generator
Generate – Die Text-In Wizard	die text in
Generate – BGA Generator	bga generator
Generate – BGA Text-In Wizard	bga text in
Generate – Offset Via Generator	offset via gen
Generate – Netlist-In Wizard	net list in
Generate – Power/Ground Ring Generator	pring wizard
Logic	
Logic – Auto Create Net	auto create net
Logic – Create Net	create net
Logic – Auto Assign Net	auto assign net
Logic – Assign Multiple Nets (APD XL only)	assign multi nets
Logic – Assign Net	assign net
Logic – Deassign Net (APD L and XL)	deassign net
Logic – Derive Assignment	derive assignment
Logic – Auto Assign Pin Use	auto assign pinuse
Logic – Purge Unused Nets	purge unused nets
Logic – Purge Unplaced Components	purge unplaced comps
Logic – Identify DC Nets	identify nets
Logic – Identify Buses (AP SI only)	identify buses
Logic – Net Logic	net logic

Table A-3 APD/AP SI Command Mapping

Logic – Net Schedule	`net schedule`
Logic – Assign Differential Pair	`diff pairs`
Logic – Assign RefDes (APD only)	`assign refdes`
Logic – Auto Rename RefDes – Rename (APD L and XL)	`rename param`
Logic – Auto Rename RefDes – Design (APD L and XL)	`rename area design`
Logic – Auto Rename RefDes – Room (APD L and XL)	`rename area room`
Logic – Auto Rename RefDes – Window (APD L and XL)	`rename area window`
Logic – Auto Rename RefDes – List (APD L and XL)	`rename area list`
Logic – Edit Parts List	`edit parts`
Logic – Pin Type (AP SI only)	`topology pinuse`
Logic – Terminator Assignment (APD L and XL)	`ecl param`
Logic – Define Terminators (AP SI only)	`termination edit`
Logic – Package Terminators (AP SI only)	`termination package`
Place	
Place – Manually	`place manual`
Place – Autoplace – Insight (APD L and XL)	`place insight`
Place – Autoplace – Parameters (APD L and XL)	`place param`
Place – Autoplace – Top Grids (APD L and XL)	`place set topgrid`
Place – Autoplace – Bottom Grids (APD L and XL)	`place set bottomgrid`
Place – Autoplace – Design (APD L and XL)	`place area design`
Place – Autoplace – Room (APD L and XL)	`place area room`
Place – Autoplace – Window (APD L and XL)	`place area window`
Place – Autoplace – List (APD L and XL)	`place area list`
Place – Interactive (APD L and XL)	`place interactive`
Place – Quickplace (AP SI only)	`quickplace`

Table A-3 APD/AP SI Command Mapping

Place – Swap – Pins	swap pins
Place – Swap – Functions (APD L and XL)	swap functions
Place – Swap – Components (APD L and XL	swap components
Place – Autoswap – Parameters (APD L and XL)	swap param
Place – Autoswap – Design (APD L and XL)	swap area design
Place – Autoswap – Room (APD L and XL)	swap area room
Place – Autoswap – Window (APD L and XL)	swap area window
Place – Autoswap – List (APD L and XL)	swap area list
Place – Update Symbolsl (APD L and XL)	refresh symbol
Place – Replace SI Temporary – Devices (APD L and XL)	replace temp devices
Place – Replace SI Temporary – Symbols (APD L and XL)	replace temp symbols
Place – Design Parition – Create Partitions (option)	partition
Place – Design Parition – Workflow Manager (option)	workflow
Place – Design Parition – Guideports (option)	guideport
Place – Design Parition – Soft Net Assignment (option)	soft net
Route	
Route – Connect	add connect
Route – Slide	slide
Route – Power/Ground Generator	pring wizard
Route – Wire Bond – Select	wirebond select
Route – Wire Bond – Add	wirebond add
Route – Wire Bond – Edit	wirebond edit
Route – Wire Bond – Modify	wirebond modify
Route – Wire Bond – Add/Edit Guide Paths	wirebond manage guide paths
Route – Wire Bond – Settings	wirebond settings
Route – Wire Bond – Purge Unused Groups	wirebond purge groups

Table A-3 APD/AP SI Command Mapping

Route – Wire Bond – Tack Point Move (APD L and XL)	wirebond tack point
Route – Wire Bond – Import (APD L and XL)	wirebond import
Route – Wire Bond – Export (APD L and XL)	wirebond export
Route – Wire Bond – Uprev	wirebond uprev
Route – Via Structure – Add	add via structure
Route – Via Structure – Replace	replace via structure
Route – Via Structure – Refresh	refresh via structure
Route – Offset Via Generator	offset via gen
Route – Flip-Chip Routing Estimation Layer (APD L and XL)	layer estimation
Route – Flip-Chip Die Escape Generator (APD L and XL)	die escape gen
Route – Wire Bond Via Estimation (APD L and XL)	wire bond via estimation
Route – Wire Bond Die Escape Generator (APD L and XL)	wire bond escape
Route – Routing Layer Assign	assign route layer
Route – Plating Layer Assign (APD L and XL)	assign plating layer
Route – Route Feasibility (APD XL only)	route feasibility
Route – Spider Router	spider router
Route – Custom Smooth	custom smooth
Route – Delay Tune	delay tune
Route – Define Short (APD L and XL)	define shorting scheme
Route – Create Short (APD L and XL)	create short
Route – ZRouter (APD L and XL)	zrouter
Route – Router – Route Radial	radial router
Route – Router – Fanout by Pick	fanout by pick
Route – Router – Route by Pick	route by pick
Route – Router – Elongation by Pick	elong by pick

Table A-3 APD/AP SI Command Mapping

Route – Router – Route Automatic	auto_route
Route – Router – Router Checks	specctra checks
Route – Router – Interactive Editor	specctra
Route – Router – Miter by Pick	miter_by_ppick
Route – Router – Unmiter by Pick	unmiter_by_pick
Route – Router – Spread Clines	spread clines
Route – Router – Line Fattening	line_fattening
Route – Add Fillet (APD L and XL)	add fillet
Route – Delete Fillet (APD L and XL)	delete fillet
Route – Gloss – Parameters (APD L and XL)	gloss param
Route – Gloss – Design (APD L and XL)	gloss area design
Route – Gloss – Room (APD L and XL)	gloss area room
Route – Gloss – Window (APD L and XL)	gloss area window
Route – Gloss – Highlight (APD L and XL)	gloss area highlight
Route – Gloss – List (APD L and XL)	gloss area list
Analyze	
Analyze – Initialize	signal init
Analyze – Library	signal library
Analyze – Model Assignment	signal model
Analyze – Model Dump/Refresh	signal model refresh
Analyze – Preferences	signal prefs
Analyze – Audit – Design Audit	signal audit
Analyze – Audit – Net Audit	signal audit net
Analyze – Audit – Audit One Library	signal lib audit
Analyze – Audit – Audit List of Libraries	signal libs audit
Analyze – Probe	signal probe
Analyze – Xtalk Table	signal xtalktable

Table A-3 APD/AP SI Command Mapping

Analyze – 3-D Package Model (In legacy products only)	signal pkg_model
Analyze – 3-D Modeling (AP SI only)	signal 3dmodel
Analyze – Bus Setup (AP SI only)	signal bus setup
Analyze – Bus Simulate (AP SI only)	signal bus sim
Analyze – EMI Rule Checker	emcontrol
Manufacture	**This menu is available in APD L and APD XL**
Manufacture – Create Plating Bar	pbar create
Manufacture – Delete Plating Bar	pbar delete
Manufacture – Plating Bar Check	pbar check
Manufacture – Etch-back	etchback
Manufacture – Dimension/Draft commands in the Layout Editor are accessed under the Dimension menu item in the Symbol Editor	
Manufacture – Dimension/Draft – Parameters	draft param
Manufacture – Dimension/Draft – LineFont	linefont
Manufacture – Dimension/Draft – Linear Dim	dimension linear
Manufacture – Dimension/Draft – Datum Dim	dimension datum
Manufacture – Dimension/Draft – Angular Dim	dimension angular
Manufacture – Dimension/Draft – Leader Lines	leader only
Manufacture – Dimension/Draft – Diametral Leader	leader diametral
Manufacture – Dimension/Draft – Radial Leader	leader radial
Manufacture – Dimension/Draft – Balloon Leader	leader balloon
Manufacture – Dimension/Draft – Chamfer Leader	leader chamfer
Manufacture – Dimension/Draft – Chamfer	draft chamfer
Manufacture – Dimension/Draft – Fillet	draft fillet
Manufacture – Dimension/Draft – Create Detail	create detail
Manufacture – Stream Out	stream out
Manufacture – Artwork	film param

Table A-3 APD/AP SI Command Mapping

Manufacture – NC – Drill Customization	ncdrill customization
Manufacture – NC – Drill Legend	ncdrill legend
Manufacture – NC – NC Parameters	ncdrill param
Manufacture – NC – NC Drill	nctape_full
Manufacture – NC – NC Route	ncroute
Manufacture – DFx Check (legacy)	dfa
Manufacture – Create Coupons	create coupons
Manufacture – Silkscreen	silkscreen param
Manufacture – Thieving	thieving
Manufacture – Shape Degassing	degas
Manufacture – Testprep – Automatic	testprep automatic
Manufacture – Testprep – Manual	testprep manual
Manufacture – Testprep – Properties	testprep properties
Manufacture – Testprep – Fix/unfix testpoints	testprep fix
Manufacture – Testprep – Create FIXTURE	testprep createfixture
Manufacture – Testprep – Create NC drill data	testprep ncdrill
Manufacture – Testprep – Parameters	testprep prmed
Manufacture – Create Bond Finger Soldermask	wirebond soldermask create
Manufacture – Documentation – Bond Finger Text	bpa
Manufacture – Documentation – Display Pin Text	dpn
Manufacture – Documentation – Package Report – Sorted by Die Pin	dbp_report die
Manufacture – Documentation – Package Report – Sorted by Bond Finger	dbp_report bondfinger
Manufacture – Documentation – Package Report – Sorted by Package Pin	dbp_report package
Manufacture – Documentation – Package Report – Sorted by Netname	dbp_report net

Reports

Table A-3 APD/AP SI Command Mapping

Design Summary Report (APD XL)	design summary report
Net Delay Report (APD XL and APSI)	net delay report
Conductor Length Report (APD L and XL)	cond length report
Wire Bond Report (APD XL)	wirebond reports
Metal Usage Report (APD XL)	metal usage report
Reports	reports
Quick Reports	No corresponding command
Component Compare (APD XL only)	compare comp
Design Compare (APD L and XL)	design compare
Tools	
Tools – Create Module (APD only)	create module
Tools – Padstack – Modify Design Padstack (APD L and XL)	padeditdb
Tools – Padstack – Modify Library Padstack (APD L and XL)	padeditlib
Tools – Padstack – Replace (APD L and XL)	replace padstack
Tools – Padstack – Group Edit (APD L and XL)	multpadedit
Tools – Padstack – Refresh (APD L and XL)	refresh padstack
Tools – Pad – Boundary (APD L and XL)	editpad boundary
Tools – Pad – Restore (APD L and XL)	editpad restore
Tools – Pad – Restore ALL (APD L and XL)	editpad restore all
Tools – Derive Connectivity (APD L and XL)	derive connectivity
Tools – Compose Line	compose line
Tools – Database Diary	db diary
Tools – Topology Editor (AP SI only)	sigxp
Tools – Model Integrity (AP SI only)	model integrity
Tools – Technology File Compare	techfile compare
Tools – Setup Advisor	setup advisor

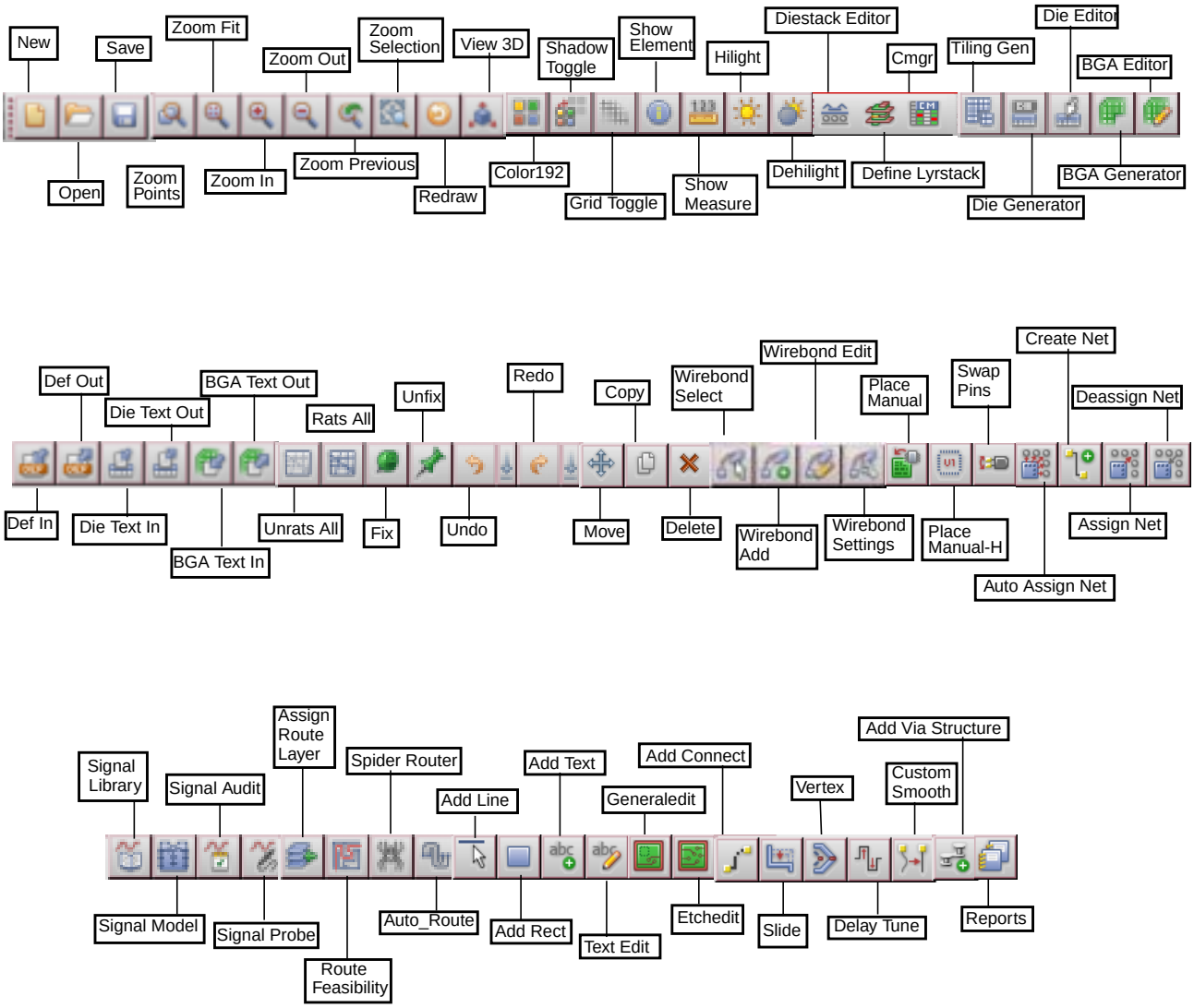
Table A-3 APD/AP SI Command Mapping

Tools – Package Design Integrity	package integrity
Tools – Database Check	drbdocto
Tools – Update DRC	drc_update
Tools – Utilities – Env Variables	set
Tools – Utilities – Aliases/Function Keys	alias
Tools – Utilities – Keyboard Commands	helpcmd
Tools – Utilities – Licenses Used	license_use
Tools – Utilities – Stroke Editor	stroke editor
Help	
Help – Documentation	cdsdoc
Help – Message Detail	smi essage detail
Help – Web Resources – KP&S	Web URL
Help – Web Resources – cdnsUsers.org	Web URL
Help – Web Resources – Sourcelink	Web URL
Help – Web Resources – Web Collaboration	Web URL
Help – Web Resources – Education Services	Web URL
Help – Web Resources – Design Communities (APSI)	Web URL
Help – About APD/AP SI	about

SiP Digital Architect/SiP Layout

The following diagram identifies the SiP Digital Architect/SiP Layout user interface toolbar icons, which execute the same console window commands corresponding to product menu choices. Your toolbar configuration may differ. You can also hover your cursor over each icon to display a datatip that identifies its function.

Figure A-4 SiP Digital Architect/SiP Layout Toolbar Icons



The command mapping in Table A-4 lists the menu choices in the different modes (Layout and Symbol) of SiP Digital Architect and SiP Layout. Note that some commands may not be available in both products.

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Menu Choice	Console Window Command
File	

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

File – New	new
File – Open	open
File – Save	save
File – Save As	save_as
File – Create Symbol	create_symbol (in Symbol Editor only)
File – Create Device	create_Device (in Symbol Editor only)
File – Import – Netlist-In Wizard	net_list_in
File – Import – Logic	netin param
File – Import – MCM	mcm_import
File – Import – NA2	na2_import
File – Import – DXF	dxf_in
File – Import – Artwork (SiP Layout only)	load_photoplot
File – Import – Stream (SiP Layout only)	load_stream
File – Import – IDF (SiP Layout only)	idf_in
File – Import – AIF	aif_in
File – Import – IFF (SiP Layout only)	iff_in
File – Import – Router	specctra_in
File – Import – Sub-Drawing	clppaste
File – Import – Techfile	techfile_in
File – Import – Parameters	param_in
File – Import – Active Times	signal_atimes
File – Import – Placement (SiP Layout only)	plctxt_in
File – Import – Paste Resistor	film_res
File – Import – Annotations (SiP Layout only)	annotation_in
File – Import – Pin Delay	pin_delay_in
File – Export – BGA Text-Out Wizard	bga_text_out

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

File – Export – Die Text-Out Wizard	die_text_out
File – Export – DEF (Die Pins Only)	def_out
File – Export – OpenAccess (Die Pins Only) UNIX platforms only	oa_out
File – Export – Logic	feedback
File – Export – Netlist w/Properties	netout
File – Export – MCM	mcm_export
File – Export – DXF (SiP Layout only)	dxf_out
File – Export – IDF (SiP Layout only)	idf_out
File – Export – AIF	aif_out
File – Export – Router	specctra_out
File – Export – Sub-Drawing	clpcopy
File – Export – Libraries	dlib
File – Export – Techfile	techfile_out
File – Export – Parameters	param_out
File – Export – Placement (SiP Layout only)	plctxt_out
File – Export – Board Level Component (SiP Layout only)	allegro_component
File – Export – Symbol Spreadsheet (SiP Layout only)	symbol_to_spreadsheet
File – Export – Annotations (SiP Layout only)	annotation_out
File – Export – InterComm (SiP Layout only)	icm_out
File – Export – IPC 356 (SiP Layout only)	ipc356_out
File – Export – ODB ++ inside (SiP Layout only)	odb_out
File – Export – Save Design to 16.1	downrev
File – Export – Pin Delay	pin_delay_out
File – Viewlog	viewlog
File – File Viewer	No corresponding command
File – Plot Setup	plot_setup

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

File – Plot	plot
File – Properties	file_property
File – Change Editor	toolswap
File – Script	script
File – Recent Designs	opencd
File – Exit	exit
Edit	
Edit – Undo	undo
Edit – Redo	redo
Edit – Move	move
Edit – Copy	copy
Edit – Mirror	mirror
Edit – Spin	spin
Edit – Change	change
Edit – Delete	delete
Edit – Z-Copy	zcopy shape
Edit – Split Plane – Parameters (SiP Layout only)	split plane param
Edit – Split Plane – Create (SiP Layout only)	split plane create
Edit – Vertex	vertex
Edit – Delete Vertex	delete vertex
Edit – Cline Change Width	cline change width
Edit – Text	text edit
Edit – Groups	groupedit
Edit – Properties	property edit
Edit – Net Properties	net_properties
Edit – LEF Pin Parameters	lef pin param
Edit – Die Properties	die properties
Edit – Die Stack	diestack editor

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Edit – Die	`die editor`
Edit – BGA	`bga editor`
View	
View – Zoom By Points	`zoom points`
View – Zoom Fit	`zoom fit`
View – Zoom In	`zoom in`
View – Zoom Out	`zoom out`
View – Zoom World	`zoom world`
View – Zoom Center	`zoom center`
View – Zoom Previous	`zoom previous`
View – Color View Save	`colorview create`
View – Color View Restore Last	`colorview restore`
View – 3D Model	`view 3d`
View – Redraw	`redisplay`
View – Windows – Command	No corresponding command
View – Windows – World View	No corresponding command
View – Windows – Options	No corresponding command
View – Windows – Find	No corresponding command
View – Windows – Visibility	No corresponding command
View – Windows – Show All	No corresponding command
View – Customize Toolbar	No corresponding command
View – Reset UI to Cadence Default	`reset docwindows`
Add	
Add – Line	`add line`
Add – Arc w/Radius	`add rarc`
Add – 3pt Arc	`add arc`
Add – Circle	`add circle`
Add – Rectangle (in SiP Layout only)	`add rect`

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Add – Frectangle (in SiP Layout only)	`add frect`
Add – Text	`add text`
Add – Interposer	`add interposer`
Add – Spacer	`add spacer`
Add – Co-Design Die	`add codesign die`
Add – Standard Die – DEF (Die Pins Only)	`def in`
Add – Standard Die – OA (Die Pins Only) – UNIX platforms only	`oa in`
Add – Standard Die – Die Text-In Wizard	`die text in`
Add – Standard Die – Die Generator	`die generator`
Add – Standard Die – Tiled Die Generator	`tiling gen`
Add – Standard Die – D.I.E Format	`die in`
Add – Standard Package – BGA – Text-In Wizard	`bga text in`
Add – Standard Package – BGA Generator	`bga generator`
Display	
Display – Color/Visibility	`color`
Display – Layer Priority	`layer priority`
Display – Status	`status`
Display – Element	`show element`
Display – Measure	`show measure`
Display – Constraint	`cns show`
Display – Parasitic	`show parasitic`
Display – Segments Over Voids	`highlight sov`
Display – Property	`show property`
Display – Assign Color	`assign color`
Display – Highlight	`hilight`
Display – Dehighlight	`dehilight`
Display – Waive DRCs – Waive	`waive drc`

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Display – Waive DRCs – Show	show waived drcs
Display – Waive DRCs – Blank	blank waived drcs
Display – Waive DRCs – Restore	restore waived drc
Display – Waive DRCs – Restore All	restore waived drcs
Display – Pin Highlight	pin highlight
Display – Bond Finger Highlight	bond finger hilite
Display – Bond Finger Dehighlight	bond finger dehilite
Display – Rats by Layer	rats layer
Display – Show Rat Lines – All	rats all
Display – Show Rat Lines – Components	rats component
Display – Show Rat Lines – Net	rats net
Display – Show Rat Lines – Of Selection	rats show
Display – Blank Rats – All	unrats all
Display – Blank Rats – Components	unrats component
Display – Blank Rats – Nets	unrats net
Setup	
Setup – Design Parameters	prmed
Setup – Grids	define grid
Setup – Subclasses	define subclass
Setup – Cross-section	define lyrstack
Setup – Unused Pads Suppresion	unused pads
Setup – Materials	define materials
Setup – Application Modes – General Edit	generaledit
Setup – Application Modes – Placement Edit	placementedit
Setup – Application Modes – Etch Edit	etchedit
Setup – Application Modes – None	noappmode
Setup – Blind/Buried Via Definitions – Define B/B Via	define bbvia

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Setup – Blind/Buried Via Definitions – Auto Define B/B Via	`auto_define_bbvia`
Setup – Enable On-Line DRC	`cns onlinedrc`
Setup – Constraints – Modes	`cns cmmodes`
Setup – Constraints – Electrical	`cmgr elec`
Setup – Constraints – Physical	`cmgr phys`
Setup – Constraints – Spacing	`cmgr spac`
Setup – Constraints – Same Net Spacing	`cmgr snspac`
Setup – Constraints – Physical Net Overrides	`property edit`
Setup – Constraints – Spacing Net Overrides	`property edit`
Setup – Constraints – DFA Constraint Spreadsheet	`dfa spreadsheet`
Setup – Constraints – Constraint Manager	`cmgr`
Setup – Property Definitions	`define property`
Setup – Define Lists	`define list`
Setup – LEF Libraries	`lef lib`
Setup – Areas – Component Keepin	`keepin component`
Setup – Areas – Component Keepout	`keepout component`
Setup – Areas – Component Height	`component height`
Setup – Areas – Route Keepin	`keepin router`
Setup – Areas – Route Keepout	`keepout router`
Setup – Areas – Wire Keepout	`keepout wire`
Setup – Areas – Via Keepout	`keepout via`
Setup – Areas – Shape Keepout	`keepout shape`
Setup – Areas – Probe Keepout	`keepout probe`
Setup – Areas – Gloss Keepout	`keepout gloss`
Setup – Areas – Photoplot Outline	`keepin photo`
Setup – User Preferences	`enved`

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Layout	**Layout menu choices are available only in the Symbol (Part) Editor**
Layout – Pins	`add pin`
Layout – Pin RenNumbering	`rpn`
Layout – Connections	`add connect`
Layout – Slide	`slide`
Layout – Labels – RefDes	`label refdes`
Layout – Labels – Device	`label device`
Layout – Labels – Value	`label value`
Layout – Labels – Tolerance	`label tolerance`
Layout – Labels – Part Number	`label part`
Shape	**This menu is available only in SiP Digital Layout.**
Shape – Polygon	`shape add`
Shape – Rectangular	`shape add rect`
Shape – Circular	`shape add circle`
Shape – Select Shape or Void	`shape select`
Shape – Manual Void – Polygon	`shape void polygon`
Shape – Manual Void – Rectangular	`shape void rectangle`
Shape – Manual Void – Circular	`shape void circle`
Shape – Manual Void – Delete	`shape void delete`
Shape – Manual Void – Element	`shape void element`
Shape – Manual Void – Move	`shape void move`
Shape – Manual Void – Copy	`shape void copy`
Shape – Edit Boundary	`shape edit boundary`
Shape – Delete Islands	`island delete`
Shape – Change Shape Type	`shape change type`
Shape – Merge Shapes	`shape merge shapes`

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Shape – Check	shape check
Shape – Compose Shape	compose shape
Shape – Decompose Shape	decompose shape
Shape – Global Dynamic Params	shape global param
Logic	
Logic – Auto Create Net	auto create net
Logic – Create Net	create net
Logic – Auto Assign Net	auto assign net
Logic – Assign Multiple Nets	assign multi nets
Logic – Assign Net	assign net
Logic – Deassign Net	deassign net
Logic – Derive Assignment	derive assignment
Logic – Auto Assign Pin Use	auto assign pinuse
Logic – Purge Unused Nets	purge unused nets
Logic – Purge Unplaced Components	purge unplaced comps
Logic – Identify DC Nets	identify nets
Logic – Identify Buses	identify buses
Logic – Net Logic	net logic
Logic – Net Schedule	net schedule
Logic – Assign Differential Pair	diff pairs
Logic – Assign RefDes	assign refdes
Logic – Auto Rename RefDes – Rename	rename param
Logic – Auto Rename RefDes – Design	rename area design
Logic – Auto Rename RefDes – Room	rename area room
Logic – Auto Rename RefDes – Window	rename area window
Logic – Auto Rename RefDes – List	rename area list
Logic – Edit Parts List	edit parts
Place	

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Place – Manually	`place manual`
Place – Autoplace – Insight (SiP Layout only)	`place insight`
Place – Autoplace – Parameters (SiP Layout only)	`place param`
Place – Autoplace – Top Grids (SiP Layout only)	`place set topgrid`
Place – Autoplace – Bottom Grids (SiP Layout only)	`place set bottomgrid`
Place – Autoplace – Design (SiP Layout only)	`place area design`
Place – Autoplace – Room (SiP Layout only)	`place area room`
Place – Autoplace – Window (SiP Layout only)	`place area window`
Place – Autoplace – List (SiP Layout only)	`place area list`
Place – Interactive (SiP Layout only)	`place interactive`
Place – Swap – Pins	`swap pins`
Place – Swap – Functions (SiP Layout only)	`swap functions`
Place – Swap – Components (SiP Layout only)	`swap components`
Place – Autoswap – Parameters (SiP Layout only)	`swap param`
Place – Autoswap – Design (SiP Layout only)	`swap area design`
Place – Autoswap – Room (SiP Layout)	`swap area room`
Place – Autoswap – Window (SiP Layout only)	`swap area window`
Place – Autoswap – List (SiP Layout only)	`swap area list`
Place – Update Symbols	`refresh symbol`
Place – Replace SI Temporary – Devices	`replace temp_device`
Place – Replace SI Temporary – Symbols	`replace temp_symbols`
Place – Design Parition – Create Partitions	`partition`
Place – Design Parition – Workflow Manager	`workflow`
Place – Design Parition – Guideports	`guideport`
Place – Design Parition – Soft Net Assignment	`soft net`
Route	
Route – Connect	`add connect`
Route – Slide	`slide`

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Route – Power/Ground Ring Generator	pring wizard
Route – Wire Bond – Select	wirebond select
Route – Wire Bond – Add	wirebond add
Route – Wire Bond – Edit	wirebond edit
Route – Wire Bond – Modify	wirebond modify
Route – Wire Bond – Add/Edit Guide Paths	wirebond manage guide paths
Route – Wire Bond – Settings	wirebond settings
Route – Wire Bond – Purge Unused Groups	wirebond purge groups
Route – Wire Bond –Tack Point Move (SiP Layout only)	wirebond tack point
Route – Wire Bond – Import	wirebond import
Route – Wire Bond – Export	wirebond export
Route – Wire Bond – Uprev	wirebond uprev
Route – Via Structure – Add	add via structure
Route – Via Structure – Replace	replace via structure
Route – Via Structure – Refresh	refresh via structure
Route – Offset Via Generator	offset via gen
Route – Flip-Chip Routing Estimation Layer (SiP Layout only)	layer estimation
Route – Flip-Chip Die Escape Generator (SiP Layout only)	die escape gen
Route – Wire Bond Via Estimation (SiP Layout only)	wire bond via estimation
Route – Wire Bond Die Escape Generator (SiP Layout only)	wire bond escape
Route – Routing Layer Assign	assign route layer
Route – Plating Layer Assign (SiP Layout only)	assign plating layer
Route – Define Net Priority	route priority
Route – Route Feasibility	route feasibility
Route – Spider Router	spider router

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Route – Custom Smooth	custom_smooth
Route – Delay Tune	delay_tune
Route – Define Short	define_shorting_scheme
Route – Create Short	create_short
Route – ZRouter	zrouter
Route – Router – Route Radial	radial_router
Route – Router – Fanout by Pick	fanout_by_pick
Route – Router – Route by Pick	route_by_pick
Route – Router – Elongation by Pick	elong_by_pick
Route – Router – Route Automatic	auto_route
Route – Router – Router Checks	specctra_checks
Route – Router – Interactive Editor	specctra
Route – Router – Miter by Pick	miter_by_ppick
Route – Router – Unmiter by Pick	unmiter_by_pick
Route – Router – Spread Clines (SiP Layout only)	spread_clines
Route – Router – Line Fattening	line_fattening
Route – Add Fillet (SiP Layout only)	add_fillet
Route – Delete Fillet (SiP Layout only)	delete_fillet
Route – Gloss – Parameters (SiP Layout only)	gloss_param
Route – Gloss – Design (SiP Layout only)	gloss_area_design
Route – Gloss – Room (SiP Layout only)	gloss_area_room
Route – Gloss – Window (SiP Layout only)	gloss_area_window
Route – Gloss – Highlight (SiP Layout only)	No corresponding command
Route – Gloss – List (SiP Layout only)	gloss_area_list
Analyze	
Analyze – Initialize	signal_init
Analyze – Library	signal_library
Analyze – Model Assignment	signal_model

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Analyze – Model Dump/Refresh	signal model refresh
Analyze – Preferences	signal prefs
Analyze – Audit – Design Audit	signal audit
Analyze – Audit – Net Audit	signal audit net
Analyze – Audit – Audit One Library	signal lib audit
Analyze – Audit – Audit List of Libraries	signal libs audit
Analyze – Probe	signal probe
Analyze – Xtalk Table	signal xtalktable
Analyze – EMI Rule Checker	emcontrol
Analyze – 3-D Package Model (In legacy products only)	signal pkg model
Analyze – 3-D Modeling (SiP Architect only)	signal 3dmodel
Analyze – Bus Setup (SiP Architect only)	signal bus setup
Analyze – Bus Simulate (SiP Architect only)	signal bus sim
Manufacture	**This menu is available only in SiP Layout.**
Manufacture – Create Plating Bar	pbar create
Manufacture – Delete Plating Bar	pbar delete
Manufacture – Plating Bar Check	pbar check
Manufacture – Etch-back	etchback
Manufacture – Assembly Rule Checker	assemrules standard
Manufacture – Dimension/Draft commands in the Layout Editor are accessed under the Dimension menu item in the Symbol Editor	
Manufacture – Dimension/Draft – Parameters	draft param
Manufacture – Dimension/Draft – LineFont	linefont
Manufacture – Dimension/Draft – Linear Dim	dimension linear
Manufacture – Dimension/Draft – Datum Dim	dimension datum
Manufacture – Dimension/Draft – Angular Dim	dimension angular
Manufacture – Dimension/Draft – Leader Lines	leader only

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Manufacture – Dimension/Draft – Diametral Leader	leader diametral
Manufacture – Dimension/Draft – Radial Leader	leader radial
Manufacture – Dimension/Draft – Balloon Leader	leader balloon
Manufacture – Dimension/Draft – Chamfer Leader	leader chamfer
Manufacture – Dimension/Draft – Chamfer	draft chamfer
Manufacture – Dimension/Draft – Fillet	draft fillet
Manufacture – Dimension/Draft – Create Detail	create detail
Manufacture – Stream Out	stream out
Manufacture – Artwork	film param
Manufacture – NC – Drill Customization	ncdrill customization
Manufacture – NC – Drill Legend	ncdrill legend
Manufacture – NC – NC Parameters	ncdrill param
Manufacture – NC – NC Drill	nctape_full
Manufacture – NC – NC Route	ncroute
Manufacture – DFx Check (legacy)	dfa
Manufacture – Thieving	thieving
Manufacture – Shape Degassing	degas
Manufacture – Create Bond Finger Soldermask	wirebond soldermask create
Manufacture – Documentation – Bond Finger Text	bpa
Manufacture – Documentation – Display Pin Text	dpn
Manufacture – Documentation – Package Report – Sorted by Die Pin	dbp_report die
Manufacture – Documentation – Package Report – Sorted by Bond Finger	dbp_report bondfinger
Manufacture – Documentation – Package Report – Sorted by Package Pin	dbp_report package
Manufacture – Documentation – Package Report – Sorted by Netname	dbp_report net

Reports

Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Design Summary Report	design summary report
Net Delay Report	net delay report
Conductor Length Report	cond length report
Wire Bond Report	wirebond_reports
Metal Usage Report	metal usage report
Reports	reports
Quick Reports	No corresponding command
Component Compare	compare comp
Design Compare	design compare
Tools	
Tools – Create Module	create module
Tools – Padstack – Modify Design Padstack	padeditdb
Tools – Padstack – Modify Library Padstack	padeditlib
Tools – Padstack – Replace	replace padstack
Tools – Padstack – Group Edit	multpadedit
Tools – Padstack – Refresh	refresh padstack
Tools – Pad – Boundary	editpad boundary
Tools – Pad – Restore	editpad restore
Tools – Pad – Restore ALL	editpad restore all
Tools – Derive Connectivity	derive connectivity
Tools – Compose Line	compose_line
Tools – Topology Editor (available only in Architect)	sigxp
Tools – Model Integrity (available only in Architect)	model integrity
Tools – Database Diary	db diary
Tools – Technology File Compare	techfile compare
Tools – Setup Advisor	setup advisor
Tools – Package Design Integrity	package integrity
Tools – Database Check	drbdocto

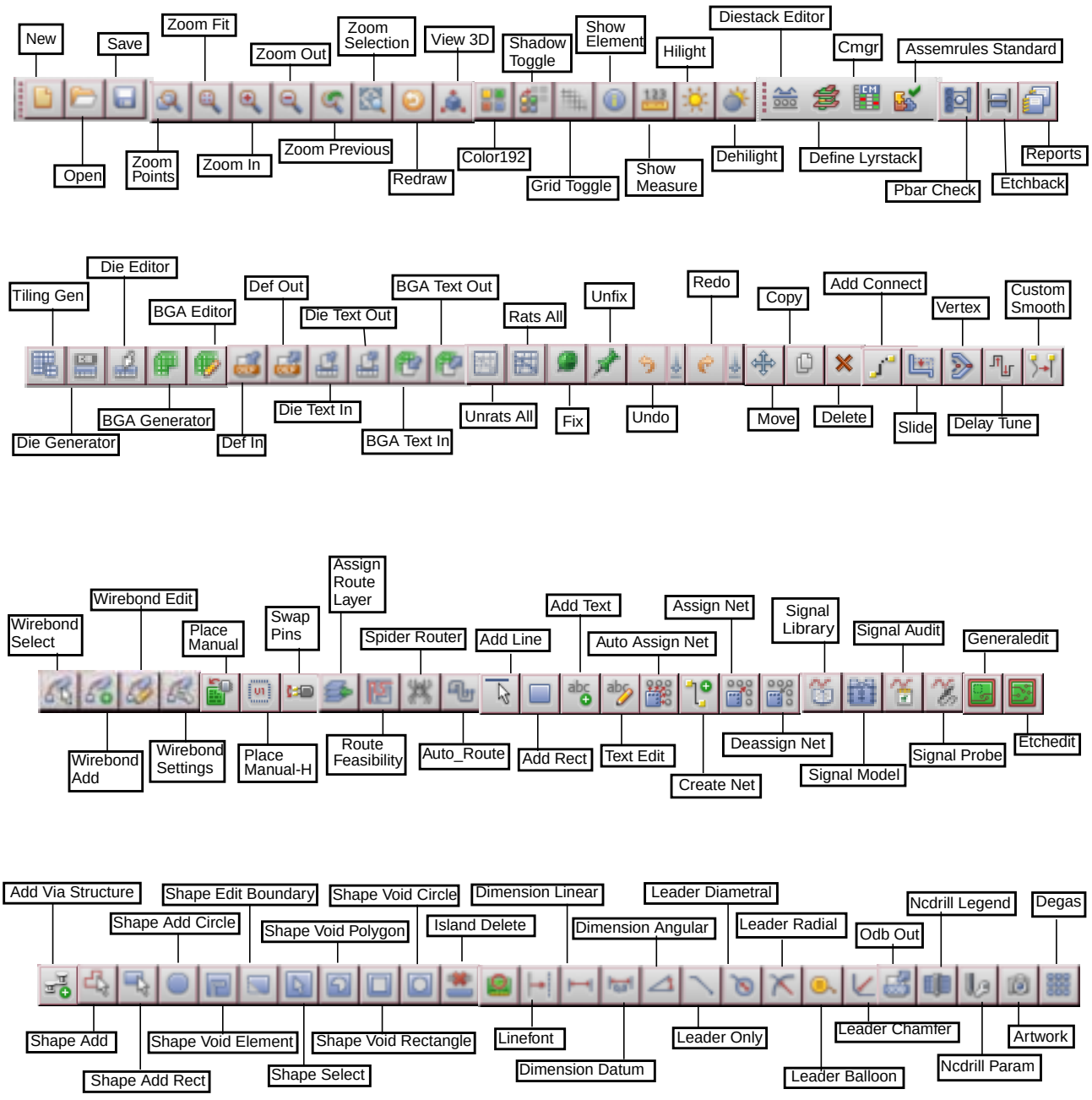
Table A-4 SiP Digital Architect/SiP Layout Command Mapping

Tools – Update DRC	drc_update
Tools – Utilities – Env Variables	set
Tools – Utilities – Aliases/Function Keys	alias
Tools – Utilities – Keyboard Commands	helpcmd
Tools – Utilities – Licenses Used	license_use
Tools – Utilities – Stroke Editor	stroke editor
Help	
Help – Documentation	cdsdoc
Help – Message Detail	smi essage detail
Help – SiP Solution Overview	
Help – Web Resources – KP&S	Web URL
Help – Web Resources – cdnsUsers.org	Web URL
Help – Web Resources – Sourcelink	Web URL
Help – Web Resources – Web Collaboration	Web URL
Help – Web Resources – Education Services	Web URL
Help – About Cadence SiP Layout	about

SiP RF Layout

The following diagram identifies the SiP RF Layout user interface toolbar icons, which execute the same console window commands corresponding to product menu choices. Your toolbar configuration may differ. You can also hover your cursor over each icon to display a datatip that identifies its function.

Figure A-5 SiP RF Layout Toolbar Icons



The command mapping in Table A-5 lists the menu choices and corresponding commands for SiP RF Layout.

Table A-5 SiP RF Layout Command Mapping

Menu Choice	Console Window Command
File	
File – New	new
File – Open	open
File – Save	save
File – Save As	save_as
File – Create Symbol	create symbol (in Symbol Editor only)
File – Create Device	create Device (in Symbol Editor only)
File – Import – Netlist-In Wizard	net_list_in
File – Import – Logic	netin param
File – Import – MCM	mcm import
File – Import – NA2	na2 import
File – Import – DXF	dxf_in
File – Import – Artwork	load photoplot
File – Import – Stream	load stream
File – Import – IDF	idf_in
File – Import – AIF	aif_in
File – Import – IFF	iff_in
File – Import – Router	specctra_in
File – Import – Sub-Drawing	clppaste
File – Import – Techfile	techfile_in
File – Import – Parameters	param_in
File – Import – Active Times	signal atimes
File – Import – Placement	plctxt_in
File – Import – Paste Resistor	film_res

Table A-5 SiP RF Layout Command Mapping

File – Import – Annotations	annotation in
File – Import – Pin Delay	pin_delay in
File – Export – BGA Text-Out Wizard	bga_text_out
File – Export – Die Text-Out Wizard	die_text_out
File – Export – DEF (Die Pins Only)	def_out
File – Export – OpenAccess (Die Pins Only) UNIX platforms only	oa_out
File – Export – Logic	feedback
File – Export – Netlist w/Properties	netout
File – Export – MCM	mcm_export
File – Export – DXF	dxf_out
File – Export – IDF	idf_out
File – Export – AIF	aif_out
File – Export – Router	specctra_out
File – Export – Sub-Drawing	clpcopy
File – Export – Libraries	dlib
File – Export – Techfile	techfile_out
File – Export – Parameters	param_out
File – Export – Placement	plctxt_out
File – Export – Board Level Component	allegro_component
File – Export – Symbol Spreadsheet	symbol_to_spreadsheet
File – Export – Annotations	annotation_out
File – Export – InterComm	icm_out
File – Export – IPC 356	ipc356_out
File – Export – ODB ++ inside	odb_out
File – Export – Save Design to 16.1	downrev
File – Export – Pin Delay	pin_delay_out
File – Viewlog	viewlog

Table A-5 SiP RF Layout Command Mapping

File – File Viewer	No corresponding command
File – Plot Setup	plot_setup
File – Plot	plot
File – Properties	file_property
File – Change Editor	toolswap
File – Script	script
File – Recent Designs	opencd
File – Exit	exit
Edit	
Edit – Undo	undo
Edit – Redo	redo
Edit – Move	move
Edit – Copy	copy
Edit – Mirror	mirror
Edit – Spin	spin
Edit – Change	change
Edit – Delete	delete
Edit – Z-Copy	zcopy shape
Edit – Split Plane – Parameters	split plane param
Edit – Split Plane – Create	split plane create
Edit – Vertex	vertex
Edit – Delete Vertex	delete vertex
Edit – Cline Change Width	cline change width
Edit – Text	text edit
Edit – Groups	groupedit
Edit – Properties	property edit
Edit – Net Properties	net_properties
Edit – LEF Pin Parameters	lef pin param

Table A-5 SiP RF Layout Command Mapping

Edit – Die Properties	die_properties
Edit – Die Stack	diestack editor
Edit – Die	die editor
Edit – BGA	bga editor
View	
View – Zoom By Points	zoom points
View – Zoom Fit	zoom fit
View – Zoom In	zoom in
View – Zoom Out	zoom out
View – Zoom World	zoom world
View – Zoom Center	zoom center
View – Zoom Previous	zoom previous
View – Color View Save	colorview create
View – Color View Restore Last	colorview restore
View – 3D Model	view 3d
View – Redraw	redisplay
View – Windows – Command	No corresponding command
View – Windows – World View	No corresponding command
View – Windows – Options	No corresponding command
View – Windows – Find	No corresponding command
View – Windows – Visibility	No corresponding command
View – Windows – Show All	No corresponding command
View – Customize Toolbar	No corresponding command
View – Reset UI to Cadence Default	reset docwindows
Add	
Add – Line	add line
Add – Arc w/Radius	add rarc
Add – 3pt Arc	add arc

Table A-5 SiP RF Layout Command Mapping

Add – Circle	add circle
Add – Rectangle	add rect
Add – Frectangle	add frect
Add – Text	add text
Add – Interposer	add interposer
Add – Spacer	add spacer
Add – Co-Design Die	add codesign die
Add – Standard Die – DEF (Die Pins Only)	def in
Add – Standard Die – OA (Die Pins Only) – UNIX platforms only	oa in
Add – Standard Die – Die Text-In Wizard	die text in
Add – Standard Die – Die Generator	die generator
Add – Standard Die – Tiled Die Generator	tiling gen
Add – Standard Die – D.I.E Format	die in
Add – Standard Package – BGA – Text-In Wizard	bga text in
Add – Standard Package – BGA Generator	bga generator
Display	
Display – Color/Visibility	color
Display – Layer Priority	layer priority
Display – Status	status
Display – Element	show element
Display – Measure	show measure
Display – Constraint	cns show
Display – Parasitic	show parasitic
Display – Segments Over Voids	highlight sov
Display – Property	show property
Display – Assign Color	assign color
Display – Highlight	hilight

Table A-5 SiP RF Layout Command Mapping

Display – Dehighlight	dehilight
Display – Waive DRCs – Waive	waive drc
Display – Waive DRCs – Show	show waived drcs
Display – Waive DRCs – Blank	blank waived drcs
Display – Waive DRCs – Restore	restore_waived drc
Display – Waive DRCs – Restore All	restore_waived drcs
Display – Pin Highlight	pin highlight
Display – Bond Finger Highlight	bond _finger hilite
Display – Bond Finger Dehighlight	bond_finger dehilite
Display – Rats by Layer	rats layer
Display – Show Rat Lines – All	rats all
Display – Show Rat Lines – Components	rats component
Display – Show Rat Lines – Net	rats net
Display – Show Rat Lines – Of Selection	rats show
Display – Blank Rats – All	unrats all
Display – Blank Rats – Components	unrats component
Display – Blank Rats – Nets	unrats net
Setup	
Setup – Design Parameters	prmed
Setup – Grids	define grid
Setup – Subclasses	define subclass
Setup – Cross-section	define lyrstack
Setup – Materials	define materials
Setup – Application Modes – General Edit	generaledit
Setup – Application Mode – Place Mode	placementedit
Setup – Application Modes – Etch Edit	etchedit
Setup – Application Modes – None	noappmode
Setup – Blind/Buried Via Definitions – Define B/B Via	define bbvia

Table A-5 SiP RF Layout Command Mapping

Setup – Blind/Buried Via Definitions – Auto Define B/B Via	auto define bbvia
Setup – Enable On-Line DRC	cns onlinedrc
Setup – Constraints – Modes	cns cmmodes
Setup – Constraints – Electrical	cmgr elec
Setup – Constraints – Physical	cmgr phys
Setup – Constraints – Spacing	cmgr spac
Setup – Constraints – Same Net Spacing	cmgr snspac
Setup – Constraints – Physical Net Overrides	property edit
Setup – Constraints – Spacing Net Overrides	property edit
Setup – Constraints – DFA Constraint Spreadsheet	dfa spreadsheet
Setup – Constraints – Constraint Manager	cmgr
Setup – Property Definitions	define property
Setup – Define Lists	define list
Setup – LEF Libraries	lef lib
Setup – Areas – Component Keepin	keepin component
Setup – Areas – Component Keepout	keepout component
Setup – Areas – Component Height	component height
Setup – Areas – Route Keepin	keepin router
Setup – Areas – Route Keepout	keepout router
Setup – Areas – Wire Keepout	keepout wire
Setup – Areas – Via Keepout	keepout via
Setup – Areas – Shape Keepout	keepout shape
Setup – Areas – Probe Keepout	keepout probe
Setup – Areas – Gloss Keepout	keepout gloss
Setup – Areas – Photoplot Outline	keepin photo
Setup – User Preferences	enved

Table A-5 SiP RF Layout Command Mapping

Layout	**Layout menu choices are available only in the Symbol (Part) Editor**
Layout – Pins	add pin
Layout – Pin RenNumbering	rpn
Layout – Connections	add connect
Layout – Slide	slide
Layout – Labels – RefDes	label refdes
Layout – Labels – Device	label device
Layout – Labels – Value	label value
Layout – Labels – Tolerance	label tolerance
Layout – Labels – Part Number	label part
Shape	
Shape – Polygon	shape add
Shape – Rectangular	shape add rect
Shape – Circular	shape add circle
Shape – Select Shape or Void	shape select
Shape – Manual Void – Polygon	shape void polygon
Shape – Manual Void – Rectangular	shape void rectangle
Shape – Manual Void – Circular	shape void circle
Shape – Manual Void – Delete	shape void delete
Shape – Manual Void – Element	shape void element
Shape – Manual Void – Move	shape void move
Shape – Manual Void – Copy	shape void copy
Shape – Edit Boundary	shape edit boundary
Shape – Delete Islands	island delete
Shape – Change Shape Type	shape change type
Shape – Merge Shapes	shape merge shapes

Table A-5 SiP RF Layout Command Mapping

Shape – Check	shape check
Shape – Compose Shape	compose shape
Shape – Decompose Shape	decompose shape
Shape – Global Dynamic Params	shape global param
Logic	
Logic – Auto Create Net	auto create net
Logic – Create Net	create net
Logic – Auto Assign Net	auto assign net
Logic – Assign Multiple Nets	assign multi nets
Logic – Assign Net	assign net
Logic – Deassign Net	deassign net
Logic – Derive Assignment	derive assignment
Logic – Auto Assign Pin Use	auto assign pinuse
Logic – Purge Unused Nets	purge unused nets
Logic – Purge Unplaced Components	purge unplaced comps
Logic – Identify DC Nets	identify nets
Logic – Identify Buses	identify buses
Logic – Net Logic	net logic
Logic – Net Schedule	net schedule
Logic – Assign Differential Pair	diff pairs
Logic – Assign RefDes	assign refdes
Logic – Auto Rename RefDes – Rename	rename param
Logic – Auto Rename RefDes – Design	rename area design
Logic – Auto Rename RefDes – Room	rename area room
Logic – Auto Rename RefDes – Window	rename area window
Logic – Auto Rename RefDes – List	rename area list
Logic – Edit Parts List	edit parts
Place	

Table A-5 SiP RF Layout Command Mapping

Place – Manually	`place manual`
Place – Autoplace – Insight	`place insight`
Place – Autoplace – Parameters	`place param`
Place – Autoplace – Top Grids	`place set topgrid`
Place – Autoplace – Bottom Grids	`place set bottomgrid`
Place – Autoplace – Design	`place area design`
Place – Autoplace – Room	`place area room`
Place – Autoplace – Window	`place area window`
Place – Autoplace – List	`place area list`
Place – Interactive	`place interactive`
Place – Swap – Pins	`swap pins`
Place – Swap – Functions	`swap functions`
Place – Swap – Components	`swap components`
Place – Autoswap – Parameters	`swap param`
Place – Autoswap – Design	`swap area design`
Place – Autoswap – Room	`swap area room`
Place – Autoswap – Window	`swap area window`
Place – Autoswap – List	`swap area list`
Place – Update Symbols	`refresh symbol`
Place – Replace SI Temporary – Devices	`replace temp_device`
Place – Replace SI Temporary – Symbols	`replace temp_symbols`
Place – Design Parition – Create Partitions	`partition`
Place – Design Parition – Workflow Manager	`workflow`
Place – Design Parition – Guideports	`guideport`
Place – Design Parition – Soft Net Assignment	`soft net`
Route	
Route – Connect	`add connect`
Route – Slide	`slide`

Table A-5 SiP RF Layout Command Mapping

Route – Power/Ground Ring Generator	pring wizard
Route – Wire Bond – Select	wirebond select
Route – Wire Bond – Add	wirebond add
Route – Wire Bond – Edit	wirebond edit
Route – Wire Bond – Modify	wirebond modify
Route – Wire Bond – Add/Edit Guide Paths	wirebond manage guide paths
Route – Wire Bond – Settings	wirebond settings
Route – Wire Bond – Purge Unused Groups	wirebond purge groups
Route – Wire Bond –Tack Point Move	wirebond tack point
Route – Wire Bond – Import	wirebond import
Route – Wire Bond – Export	wirebond export
Route – Wire Bond – Uprev	wirebond uprev
Route – Via Structure – Add	add via structure
Route – Via Structure – Replace	replace via structure
Route – Via Structure – Refresh	refresh via structure
Route – Offset Via Generator	offset via gen
Route – Flip-Chip Routing Estimation Layer	layer estimation
Route – Flip-Chip Die Escape Generator	die escape gen
Route – Wire Bond Via Estimation	wire bond via estimation
Route – Wire Bond Die Escape Generator	wire bond escape
Route – Routing Layer Assign	assign route layer
Route – Plating Layer Assign	assign plating layer
Route – Define Net Priority	route priority
Route – Route Feasibility	route feasibility
Route – Spider Router	spider router
Route – Custom Smooth	custom smooth
Route – Delay Tune	delay tune
Route – Define Short	define shorting scheme

Table A-5 SiP RF Layout Command Mapping

Route – Create Short	`create short`
Route – ZRouter	`zrouter`
Route – Router – Route Radial	`radial router`
Route – Router – Fanout by Pick	`fanout_by_pick`
Route – Router – Route by Pick	`route_by_pick`
Route – Router – Elongation by Pick	`elong_by_pick`
Route – Router – Route Automatic	`auto_route`
Route – Router – Router Checks	`specctra checks`
Route – Router – Interactive Editor	`specctra`
Route – Router – Miter by Pick	`miter_by_ppick`
Route – Router – Unmiter by Pick	`unmiter_by_pick`
Route – Router – Spread Clines	`spread clines`
Route – Add Fillet	`add fillet`
Route – Delete Fillet	`delete fillet`
Route – Gloss – Parameters	`gloss param`
Route – Gloss – Design	`gloss area design`
Route – Gloss – Room	`gloss area room`
Route – Gloss – Window	`gloss area window`
Route – Gloss – Highlight	No corresponding command
Route – Gloss – List	`gloss area list`
Analyze	
Analyze – Initialize	`signal init`
Analyze – Library	`signal library`
Analyze – Model Assignment	`signal model`
Analyze – Model Dump/Refresh	`signal model refresh`
Analyze – Preferences	`signal prefs`
Analyze – Audit – Design Audit	`signal audit`
Analyze – Audit – Net Audit	`signal audit net`

Table A-5 SiP RF Layout Command Mapping

Analyze – Audit – Audit One Library	signal lib audit
Analyze – Audit – Audit List of Libraries	signal libs audit
Analyze – Probe	signal probe
Analyze – Xtalk Table	signal xtalktable
Analyze – EMI Rule Checker	emcontrol
Analyze – 3-D Package Model (In legacy products only)	signal pkg model

Manufacture

Manufacture – Create Plating Bar	pbar create
Manufacture – Delete Plating Bar	pbar delete
Manufacture – Plating Bar Check	pbar check
Manufacture – Etch-back	etchback
Manufacture – Assembly Rule Checker	assemrules standard
Manufacture – Dimension/Draft commands in the Layout Editor are accessed under the Dimension menu item in the Symbol Editor	
Manufacture – Dimension/Draft – Parameters	draft param
Manufacture – Dimension/Draft – LineFont	linefont
Manufacture – Dimension/Draft – Linear Dim	dimension linear
Manufacture – Dimension/Draft – Datum Dim	dimension datum
Manufacture – Dimension/Draft – Angular Dim	dimension angular
Manufacture – Dimension/Draft – Leader Lines	leader only
Manufacture – Dimension/Draft – Diametral Leader	leader diametral
Manufacture – Dimension/Draft – Radial Leader	leader radial
Manufacture – Dimension/Draft – Balloon Leader	leader balloon
Manufacture – Dimension/Draft – Chamfer Leader	leader chamfer
Manufacture – Dimension/Draft – Chamfer	draft chamfer
Manufacture – Dimension/Draft – Fillet	draft fillet
Manufacture – Dimension/Draft – Create Detail	create detail

Table A-5 SiP RF Layout Command Mapping

Manufacture – Stream Out	`stream_out`
Manufacture – Artwork	`film param`
Manufacture – NC – Drill Customization	`ncdrill customization`
Manufacture – NC – Drill Legend	`ncdrill legend`
Manufacture – NC – NC Parameters	`ncdrill param`
Manufacture – NC – NC Drill	`nctape_full`
Manufacture – NC – NC Route	`ncroute`
Manufacture – DFx Check (legacy)	`dfa`
Manufacture – Thieving	`thieving`
Manufacture – Shape Degassing	`degas`
Manufacture – Create Bond Finger Soldermask	`wirebond soldermask create`
Manufacture – Documentation – Bond Finger Text	`bpa`
Manufacture – Documentation – Display Pin Text	`dpn`
Manufacture – Documentation – Package Report – Sorted by Die Pin	`dbp_report die`
Manufacture – Documentation – Package Report – Sorted by Bond Finger	`dbp_report bondfinger`
Manufacture – Documentation – Package Report – Sorted by Package Pin	`dbp_report package`
Manufacture – Documentation – Package Report – Sorted by Netname	`dbp_report net`
Reports	
Reports – Design Summary Report	`design summary report`
Reports – Net Delay Report	`net delay report`
Reports – Conductor Length Report	`cond length report`
Reports – Wire Bond Report	`wirebond reports`
Metal Usage Report	`metal usage report`
Reports – Reports	`reports`
Quick Reports	No corresponding command

Table A-5 SiP RF Layout Command Mapping

Reports – Component Compare	compare comp
Reports – Design Compare	design compare
Tools	
Tools – Create Module	create module
Tools – Padstack – Modify Design Padstack	padeditdb
Tools – Padstack – Modify Library Padstack	padeditlib
Tools – Padstack – Replace	replace padstack
Tools – Padstack – Group Edit	multpadedit
Tools – Padstack – Refresh	refresh padstack
Tools – Pad – Boundary	editpad boundary
Tools – Pad – Restore	editpad restore
Tools – Pad – Restore ALL	editpad restore all
Tools – Derive Connectivity	derive connectivity
Tools – Compose Line	compose line
Tools – Database Diary	db diary
Tools – Technology File Compare	techfile compare
Tools – Setup Advisor	setup advisor
Tools – Package Design Integrity	package integrity
Tools – Database Check	drbdocto
Tools – Update DRC	drc_update
Tools – Utilities – Env Variables	set
Tools – Utilities – Aliases/Function Keys	alias
Tools – Utilities – Keyboard Commands	helpcmd
Tools – Utilities – Licenses Used	license_use
Tools – Utilities – Stroke Editor	stroke editor
RF Module	
Edit RF Components	rfedit
Place RF Shape	rfplace

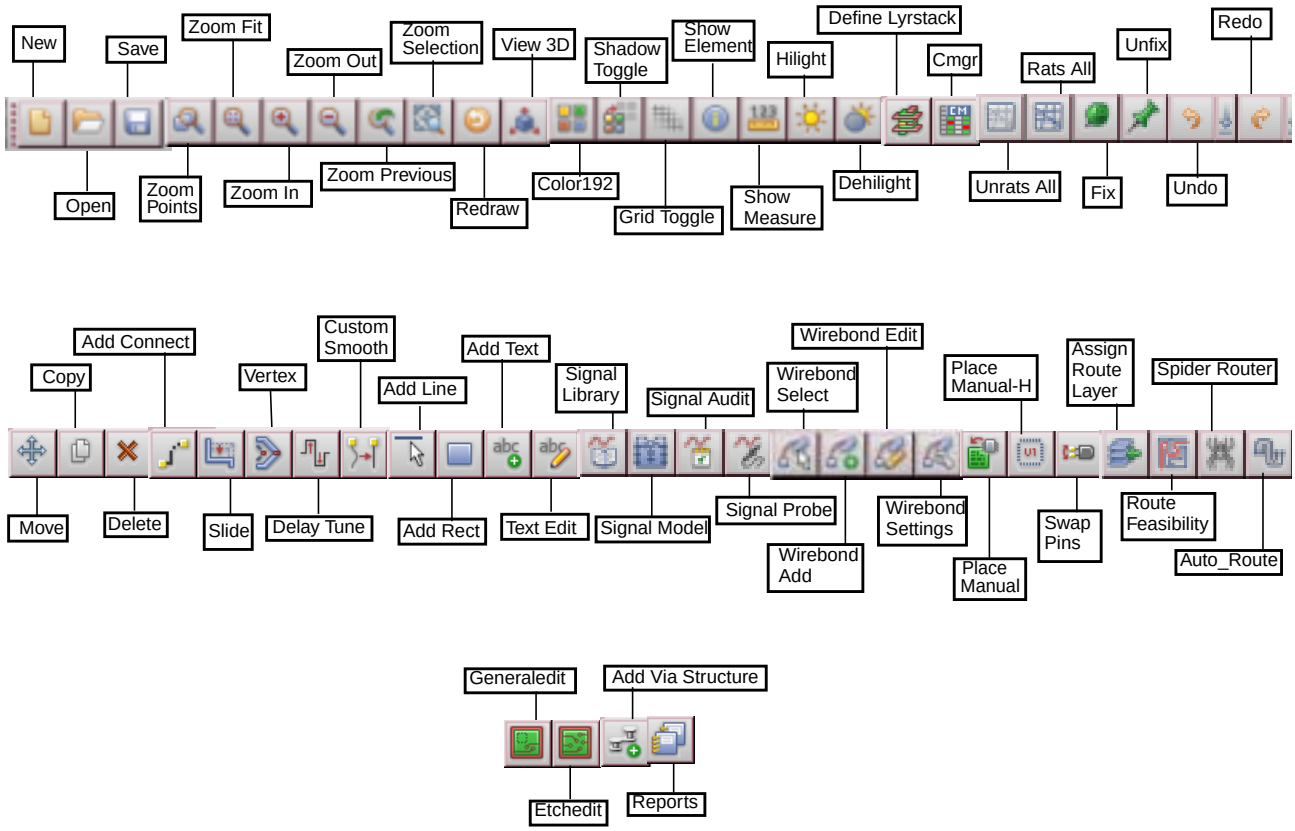
Table A-5 SiP RF Layout Command Mapping

Re-Place Pcells	`rfreplace_ripup`
Graphic Edit	`graphic edit`
Export chips & connectivity	`export chips`
RF Route – Create Route	`rfsip route`
Add Ruler	`add ruler`
Delete All Rulers	`delete all rulers`
Help	
Help – Documentation	cdsdoc
Help – Message Detail	`smi message detail`
Help – SiP Solution Overview	
Help – Web Resources – KP&S	Web URL
Help – Web Resources – cdnsUsers.org	Web URL
Help – Web Resources – Sourcelink	Web URL
Help – Web Resources – Web Collaboration	Web URL
Help – Web Resources – Education Services	Web URL
Help – About Cadence SiP Layout	`about`

SiP Digital SI

The following diagram identifies the SiP Digital SI user interface toolbar icons, which execute the same console window commands corresponding to product menu choices. Your toolbar configuration may differ. You can also hover your cursor over each icon to display a datatip that identifies its function.

Figure A-6 SiP Digital SI Toolbar Icons



The command mapping in Table A-6 lists the menu choices and corresponding commands for SiP Digital SI.

Table A-6 SiP Digital SI Command Mapping

Menu Choice	Console Window Command
File	
File – New	new
File – Open	open
File – Save	save
File – Save As	save_as
File – Create Symbol	create_symbol (in Symbol Editor only)

Table A-6 SiP Digital SI Command Mapping

File – Create Device	create Device (in Symbol Editor only)
File – Import – Netlist-In Wizard	net_list_in
File – Import – Logic	netin param
File – Import – MCM	mcm import
File – Import – Router	specctra in
File – Import – Sub-Drawing	clppaste
File – Import – Techfile	techfile in
File – Import – Active Times	signal atimes
File – Import – Pin Delay	pin_delay_in
File – Export – Logic	feedback
File – Export – Netlist w/Properties	netout
File – Export – MCM	mcm export
File – Export – Router	specctra_out
File – Export – Sub-Drawing	clpcopy
File – Export – Libraries	dlib
File – Export – Techfile	techfile_out
File – Export – Save Design to 16.1	downrev
File – Export – Pin Delay (SiP Layout only)	pin_delay_out
File – Viewlog	viewlog
File – File Viewer	No corresponding command
File – Plot Setup	plot_setup
File – Plot	plot
File – Properties	file_property
File – Change Editor	toolswap
File – Script	script
File – Recent Designs	opencd
File – Exit	exit

Table A-6 SiP Digital SI Command Mapping

Edit	
Edit – Undo	undo
Edit – Redo	redo
Edit – Move	move
Edit – Copy	copy
Edit – Mirror	mirror
Edit – Spin	spin
Edit – Change	change
Edit – Delete	delete
Edit – Z-Copy	zcopy shape
Edit – Vertex	vertex
Edit – Delete Vertex	delete vertex
Edit – Cline Change Width	cline change width
Edit – Text	text edit
Edit – Groups	groupedit
Edit – Properties	property edit
Edit – Net Properties	net_properties
View	
View – Zoom By Points	zoom points
View – Zoom Fit	zoom fit
View – Zoom In	zoom in
View – Zoom Out	zoom out
View – Zoom World	zoom world
View – Zoom Center	zoom center
View – Zoom Previous	zoom previous
View – Color View Save	colorview create
View – Color View Restore Last	colorview restore
View – 3D Model	view 3d

Table A-6 SiP Digital SI Command Mapping

View – Redraw	redisplay
View – Windows – Command	No corresponding command
View – Windows – World View	No corresponding command
View – Windows – Options	No corresponding command
View – Windows – Find	No corresponding command
View – Windows – Visibility	No corresponding command
View – Windows – Show All	No corresponding command
View – Customize Toolbar	No corresponding command
View – Reset UI to Cadence Default	reset docwindows
Add	
Add – Line	add line
Add – Arc w/Radius	add rarc
Add – 3pt Arc	add arc
Add – Circle	add circle
Add – Text	add text
Display	
Display – Color/Visibility	color
Display – Layer Priority	layer priority
Display – Status	status
Display – Element	show element
Display – Measure	show measure
Display – Constraint	cns show
Display – Parasitic	show parasitic
Display – Segments Over Voids	highlight sov
Display – Property	show property
Display – Assign Color	assign color
Display – Highlight	hilight
Display – Dehighlight	dehilight

Table A-6 SiP Digital SI Command Mapping

Display – Waive DRCs – Waive	waive_drc
Display – Waive DRCs – Show	show_waived_drcs
Display – Waive DRCs – Blank	blank_waived_drcs
Display – Waive DRCs – Restore	restore_waived_drc
Display – Waive DRCs – Restore All	restore_waived_drcs
Display – Pin Highlight	pin highlight
Display – Rats by Layer	rats_layer
Display – Show Rat Lines – All	rats_all
Display – Show Rat Lines – Components	rats_component
Display – Show Rat Lines – Net	rats_net
Display – Blank Rats – Of Selection	rats_blank
Display – Blank Rat Lines – All	unrats_all
Display – Blank Rat Lines – Components	unrats_component
Display – Blank Rat Lines – Nets	unrats_net
Setup	
Setup – Design Parameters	prmed
Setup – Grids	define_grid
Setup – Subclasses	define_subclass
Setup – Cross-section	define_lyrstack
Setup – Materials	define_materials
Setup – Application Modes – General Edit	generaledit
Setup – Application Modes – Etch Edit	etchedit
Setup – Application Modes – None	noappmode
Setup – Constraints – Modes	cns_cmmodes
Setup – Constraints – Electrical	cmgr_elec
Setup – Constraints – Physical	cmgr_phys
Setup – Constraints – Spacing	cmgr_spac
Setup – Constraints – Same Net Spacing	cmgr_snspac

Table A-6 SiP Digital SI Command Mapping

Setup – Constraints – Physical Net Overrides	property edit
Setup – Constraints – Spacing Net Overrides	property edit
Setup – Constraints – Constraint Manager	cmgr
Setup – Property Definitions	define property
Setup – Define Lists	define list
Setup – User Preferences	enved
Layout	**Layout menu choices are available only in the Symbol (Part) Editor**
Layout – Pins	add pin
Layout – Pin RenNumbering	rpn
Layout – Connections	add connect
Layout – Slide	slide
Layout – Labels – RefDes	label refdes
Layout – Labels – Device	label device
Layout – Labels – Value	label value
Layout – Labels – Tolerance	label tolerance
Layout – Labels – Part Number	label part
Shape – Check	shape check
Shape – Compose Shape	compose shape
Shape – Decompose Shape	decompose shape
Shape – Global Dynamic Params	shape global param
Logic	
Logic – Auto Assign Pin Use	auto assign pinuse
Logic – Identify DC Nets	identify nets
Logic – Pin Type	topology pinuse
Logic – Define Terminators	termination edit
Logic – Package Terminators	termination package

Table A-6 SiP Digital SI Command Mapping

Logic – Terminator Assignment	ecl param
Place	
Place – Manually	place manual
Place – Interactive	place interactive
Place – Swap –Pins	swap pins
Place – Design Parition – Create Partitions	partition
Place – Design Parition – Workflow Manager	workflow
Place – Design Parition – Guideports	guideport
Place – Design Parition – Soft Net Assignment	soft net
Route	
Route – Connect	add connect
Route – Slide	slide
Route – Wire Bond – Select	wirebond select
Route – Wire Bond – Add	wirebond add
Route – Wire Bond – Edit	wirebond edit
Route – Wire Bond – Modify	wirebond modify
Route – Wire Bond – Settings	wirebond settings
Route – Wire Bond – Purge Unused Groups	wirebond purge groups
Route – Wire Bond – Uprev	wirebond uprev
Route – Via Structure – Add	add via structure
Route – Via Structure – Replace	replace via structure
Route – Via Structure – Refresh	refresh via structure
Route – Offset Via Generator	offset via gen
Route – Routing Layer Assign	assign route layer
Route – Define Net Priority	route priority
Route – Route Feasibility	route feasibility
Route – Spider Router	spider router
Route – Custom Smooth	custom smooth

Table A-6 SiP Digital SI Command Mapping

Route – Delay Tune	delay tune
Route – ZRouter	zrouter
Route – Router – Route Radial	radial router
Route – Router – Fanout by Pick	fanout_by_pick
Route – Router – Route by Pick	route_by_pick
Route – Router – Elongation by Pick	elong_by_pick
Route – Router – Route Automatic	auto_route
Route – Router – Router Checks	specctra checks
Route – Router – Interactive Editor	specctra
Route – Router – Miter by Pick	miter_by_ppick
Route – Router – Unmiter by Pick	unmiter_by_pick
Analyze	
Analyze – Initialize	signal init
Analyze – Library	signal library
Analyze – Model Assignment	signal model
Analyze – Model Dump/Refresh	signal model refresh
Analyze – Preferences	signal prefs
Analyze – Audit – Design Audit	signal audit
Analyze – Audit – Net Audit	signal audit net
Analyze – Audit – Audit One Library	signal lib audit
Analyze – Audit – Audit List of Libraries	signal libs audit
Analyze – Probe	signal probe
Analyze – Xtalk Table	signal xtalktable
Analyze – EMI Rule Checker	emcontrol
Analyze – 3-D Modeling	signal 3dmodel
Analyze – Bus Setup	signal bus setup
Analyze – Bus Simulate	signal bus sim
Reports	

Table A-6 SiP Digital SI Command Mapping

Reports – Design Summary Report	design_summary_report
Reports – Net Delay Report	net_delay_report
Reports – Conductor Length Report	cond_length_report
Reports – Reports	reports
Reports – Quick Reports	No corresponding command
Reports – Design Compare	design_compare
Tools	
Tools – Compose Line	compose_line
Tools – Topology Editor	sigxp
Tools – Model Integrity	model_integrity
Tools – Technology File Compare	techfile_compare
Tools – Setup Advisor	setup_advisor
Tools – Package Design Integrity	package_integrity
Tools – Database Check	drbdocto
Tools – Update DRC	drc_update
Tools – Utilities – Env Variables	set
Tools – Utilities – Aliases/Function Keys	alias
Tools – Utilities – Keyboard Commands	helpcmd
Tools – Utilities – Licenses Used	license_use
Tools – Utilities – Stroke Editor	stroke_editor
Help	
Help – Documentation	cdsdoc
Help – Message Detail	smi_essage_detail
Help – SiP Solution Overview	
Help – Web Resources – KP&S	Web URL
Help – Web Resources – cdnUsers.org	Web URL
Help – Web Resources – Sourcelink	Web URL
Help – Web Resources – Web Collaboration	Web URL

Table A-6 SiP Digital SI Command Mapping

Help – Web Resources – Education Services	Web URL
Help – About Cadence SiP SI	about