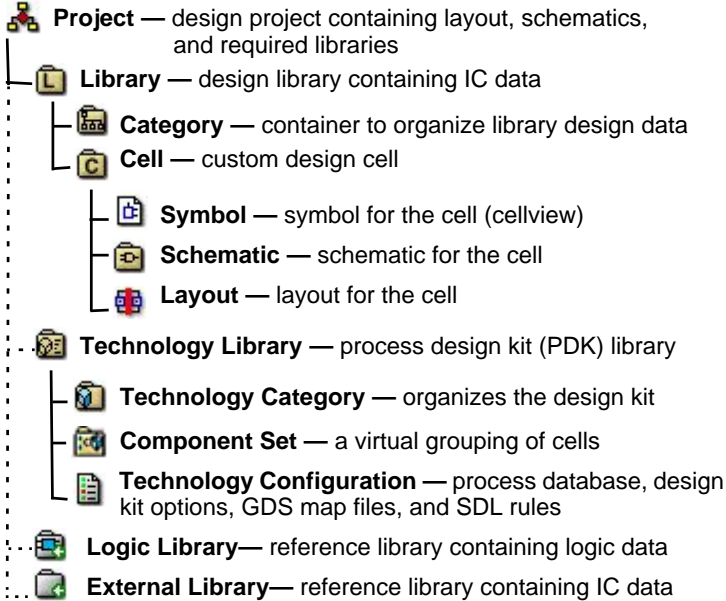


Command Line Invocation

dmgr_ic - Invoke Pyxis Project Manager; then select
Tools > Layout Editor
ic - Invoke the Pyxis Layout Editor directly

Pyxis File Structure

The Pyxis environment is structured as follows:



Set Layout Editing Environment

The editing environment can be changed between the **Default** or **Compatibility editing** modes. From Pyxis Layout, select **MGC > Setup** and adjust your settings to match the table below.

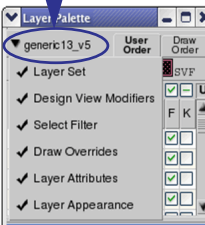
Note: Default hotkeys are operative when Selection-based editing is active, otherwise Compatibility keys are operative.

Setup	Option	Function	Default	Compatibility
Editing	Selection-based editing	\$set_classic_mode()	@true	@false
	Auto select	\$set_autoselect()	@true	@false
	Split MOS devices on move	\$set_split_on_move()	@on	@off
Behavior	Target Object	\$set_target_mode()	@off	@on
	Start commands at cursor (in-fix)	\$set_start_cmd_at_cursor_mode()	@false	@true
	Repeat last command	\$set_repeat_last_cmd_mode()	@false	@true
	Popup menu (RMB)	\$set_rmb_action()	@true	@false
	Automatically resync data when peeking	\$set_resync_on_peek()	@false	@true
Display	Text origin	\$set_text_origin_display()	@off	@on
Selection	Point inside/outside	\$set_point_select_mode()	@out_closest "Point outside"	@in_closest "Point inside"
AMPLE	Not shown	\$set_unselect_empty()	@off	@on

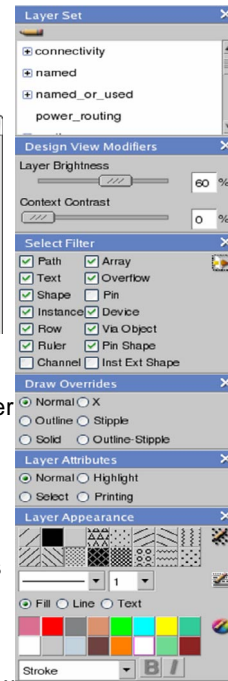
Layer Palette Gadgets

Use the Layer Palette to set appearance and selection options. You may add or remove columns by right-clicking in the column title area and selecting which items to view in the pop-up menu.

Select to enable Layer Palette Gadgets

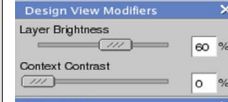


Edit Mode
Add layer
Remove layer
Load layer properties
Save layer properties
Order of drawn layers
Selectable, Visible, Fill, Blink, Keep
Immediate redraw



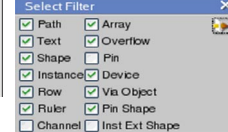
Layer Set

- Select built-in and user-defined layer sets
- Create new and modify existing layer sets



Design View Modifiers

- Modify layer brightness and context contrast



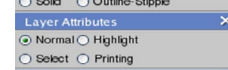
Select Filter

- Configure which object types are selectable



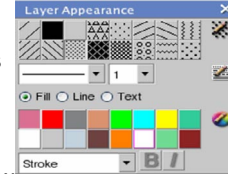
Draw Overrides

- Override layer fill setting



Layer Attributes

- Specify layer appearance attribute



Layer Appearance

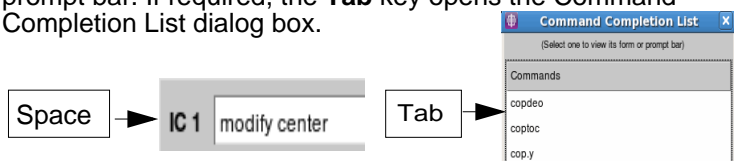
- Modify layer patterns and colors
- Define new patterns and colors on the fly
- Modify text colors and fonts

Pyxis Mouse Operations

Mouse	Definition
Left Click	Select object
Right Click	Open context menu [Compatibility: Specify Zoom]
Double Click	Complete object creation
Middle Click	Center screen on cursor
Middle Click + Hold	Draw stroke command
Ctrl + Scroll	Horizontal pan
Shift + Scroll	Vertical pan
Scroll Up	Zoom in on pointer
Scroll Down	Zoom out on pointer
Left Click+Hold	Create selection rectangle
Shift+Left Click	[Compatibility: Select Additional Objects]
Ctrl + Left Click	[Compatibility: Deselect Additional Objects]

Pyxis Layout Command Prompt

At any point during a Pyxis Layout session, you can tap the **Spacebar** key and enter a command or function call in the prompt bar. If required, the **Tab** key opens the Command Completion List dialog box.


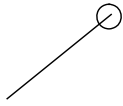
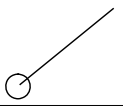



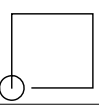

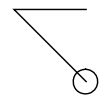
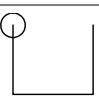
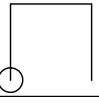
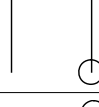
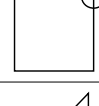
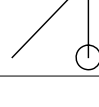


Commands do not have to be completely typed out. If the command consists of multiple keywords, enter the command in a 3-2-1 pattern as follows: **FIR**st **SE**cond **Th**ird (fir se t)

Pyxis Layout Keybindings

These are the **Default** and **Compatibility** editing hotkeys for Pyxis Layout. To view a complete list, select **Report > Hotkeys**. Hotkeys are context-sensitive and change when different areas and functions of the Pyxis Layout tool are used.

Default Hotkey	Definition	Compatibility Hotkey
General / Display		
	Save	Ctrl + S
	Check and Save	Shift + X
F, Shift + F8	View all (zoom to fit)	F
-	Zoom Out	Shift + Z
+	Zoom In	Z
Up / Down	Scroll Up / Down	Up / Down
Left / Right	Scroll Left / Right	Left / Right
Select		
A	Selection rectangle	Shift + A
Shift + A	Unselection rectangle	Shift + D
	Select All	Ctrl + A
Shift + U, F2	Unselect all	Ctrl + D
	Unselect edge	D
Hierarchy		
E	Descend edit (Open down)	Shift + X
Ctrl + F4	Set context up	Shift + B
F6	Show hierarchy (peek)	Shift + F
Shift + F6	Hide hierarchy (unpeek)	Ctrl + F
Edit		
Esc	Cancel current command	Esc
C	Copy	C
Shift + F3	Paste	Shift + Y
Del, D	Delete selected object(s)	Del
F	Flip horizontal	
Shift + F	Flip vertical	
U	Undo	U
	Merge	Shift + M
Q	Modify properties	Q
M	Move	M
R	Rotate 90 degrees (selected)	Shift + O
S	Stretch object	S
Ctrl + F	Setup Options	E
	Set Drawing Layer	T
Create		
F5	Add cell	F5
I	Add instance	I
N	Add notch	Shift + R
P	Add path	P
	Add polygon	Shift + P
	Add rectangle	R
	Add ruler	K

T	Add text label	L
V	Add via	O
Pyxis Strokes (Default)		
Strokes are built-in mouse movements that perform layout commands.		
Perform stroke commands by drawing these shapes (starting at the circle) with the middle mouse button depressed.		
	Help on Strokes Displays the Quick Help on Pyxis Layout Strokes dialog box.	
	Zoom In Zooms in using a factor of 2.	
	Zoom Out Zooms out using a factor of 2.	
	Set Context Sets the active context to the stroke starting point.	
	Set Context Up Sets the active context to the parent cell of the current context.	
	Move Using the current basepoint, moves selected objects to stroke starting point.	
	Delete Deletes the selected objects.	
	Copy Using the current basepoint, copies selected objects to the stroke start point.	
	Paste Displays a dynamic image of the clipboard contents. Drag the image to the desired location and click the Select button.	
	Unselect All Unselects all objects. The select filter is not used.	
	Undo Undoes the last undoable action.	
	Flip Displays the \$flip() prompt bar. Follow the prompts.	
	Rotate -90 Rotates the selected objects 90 degrees clockwise around the current basepoint.	
	Stretch Displays the \$stretch() prompt bar. Follow the prompts.	