

- tsmcPdkDocTool
 - Document Center Viewer

tsmcPdkToolAbout

tsmcPdkUtility Tool

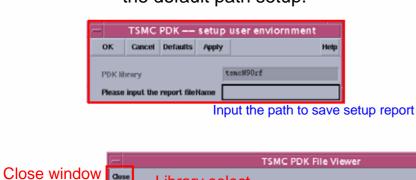
- VXL Fold and Chain setting
- Switch instances between basic <-> mac
- Update design(instance) CDF
- Add MOM license key
- Create GuardRing utility
- Layout vs. Layout
- ZoomIn(sch/lay) with history
- File Browser & Viewer

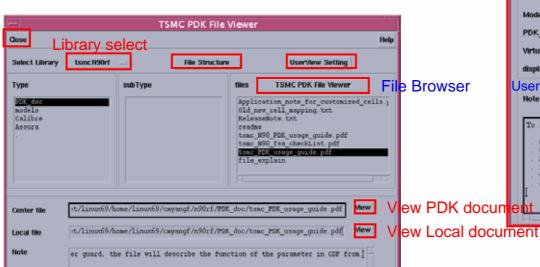


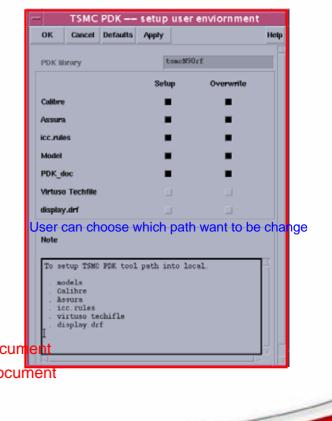


Document Center Viewer :

■ Sometimes TSMC PDK user will use symbolic link to use the PDK, user will encounter a problem - documents and technology file path missing. TSMC provide Document Center Viewer function to solve this problem. The function will re-connect the document directory and replace the default path setup.





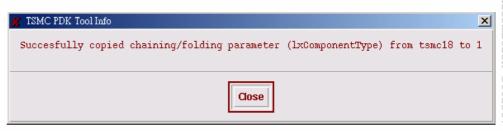


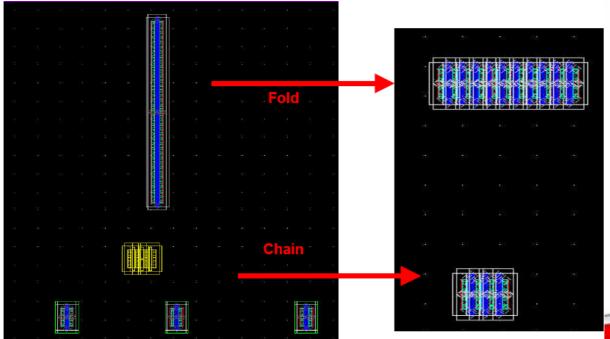


VXL Fold and Chain setting :

The function of VXL Fold and Chain setting is an utility function to fold and chain.

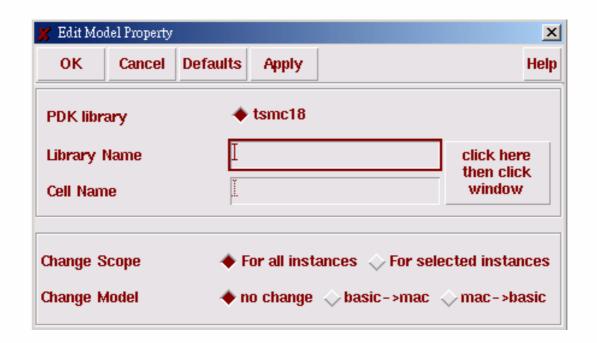








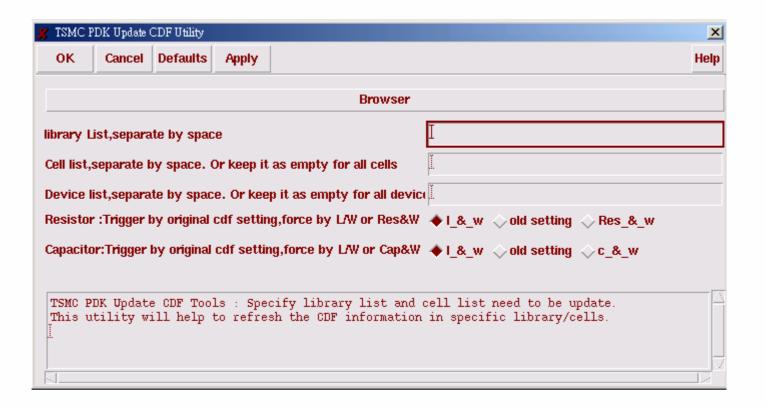
- Switch instances between basic <-> mac :
 - The function of Switch instances between basic <-> mac will switch instance between basic and MACRO one.





Update design(instance) CDF:

■ The function of Update design(instance) CDF will trigger TSMC CDF parameter update.





Add MOM license key :

■ The function of Add MOM license key will need license key. Please contact TSMC's AE.

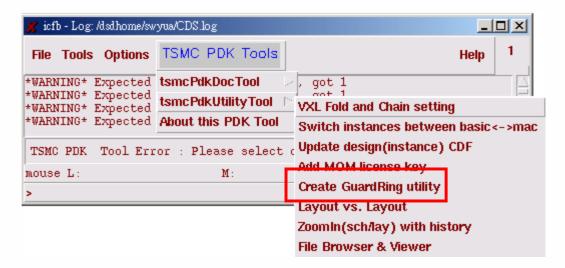


Please enter the license key



Create GuardRing utility :

■ Create GuardRing utility - TSMC Guard-Ring utility allow users to easily create guard-ring with flexibility. For more information, please refer to "Guard Ring Utility Usage Guide".

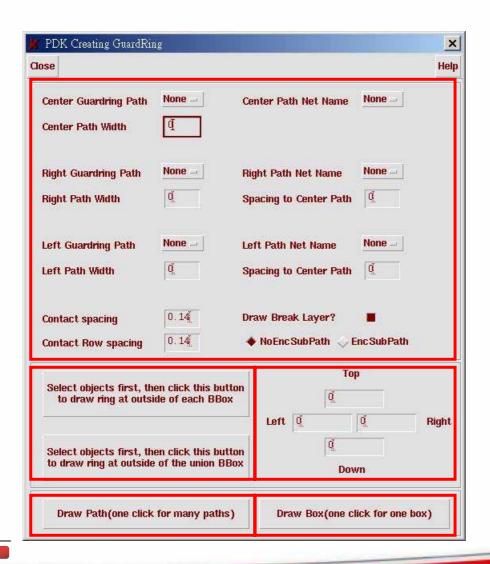


Guard-Ring utility for layout view

- . DRC clean
- . Create ring path by mouse draw
- . Create ring box by mouse click
- . Create ring box outside of the each selected instances
- . Create ring box outside of the whole selection
- . Flexibility for the ring box by specified distance



Create GuardRing utility :



Guard-Ring setting

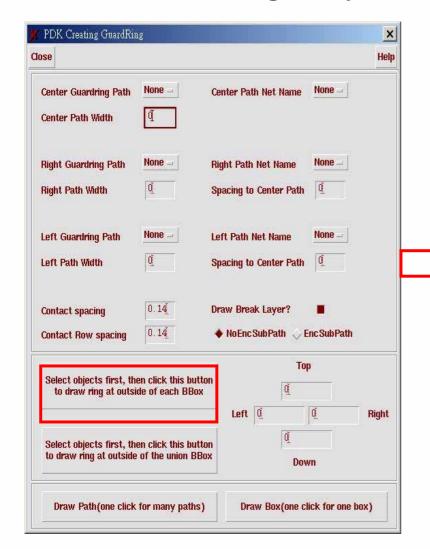
- . Psub/NWELL
- . Path width
- . Contact spacing
- . Multi-Path

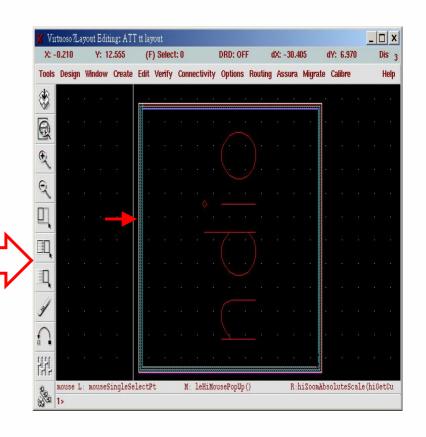
Guard-Ring box setting

- Separated boxUnion box
- Guard-Ring drawing by hand



Create GuardRing utility :

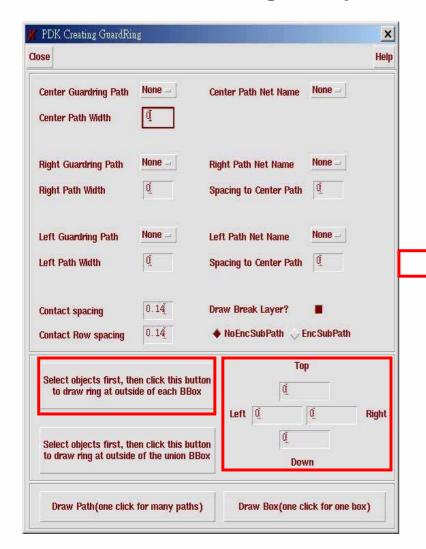


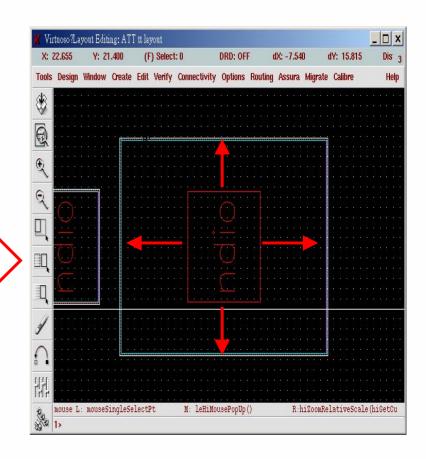


Create Guard-Ring outside of the instance



Create GuardRing utility :

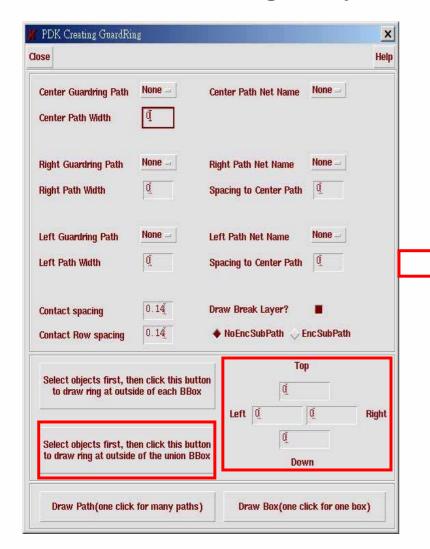


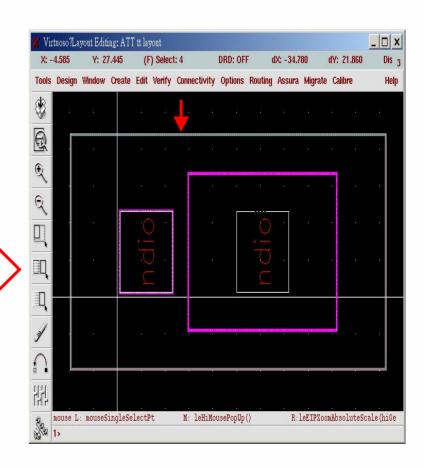


Create Guard-Ring outside of the instance by specified distance



Create GuardRing utility :

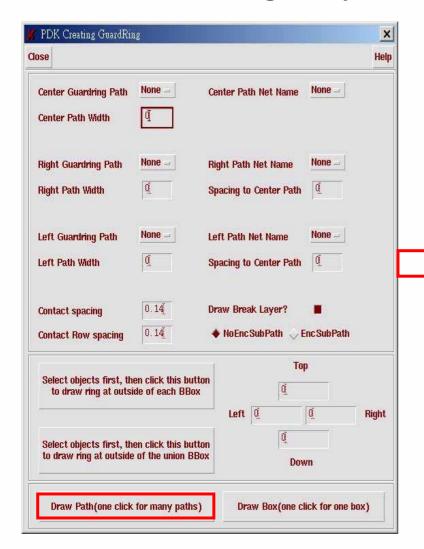


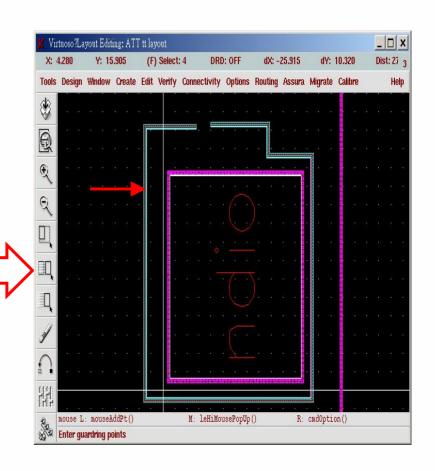


Create Guard-Ring outside of all instances by specified distance



Create GuardRing utility :

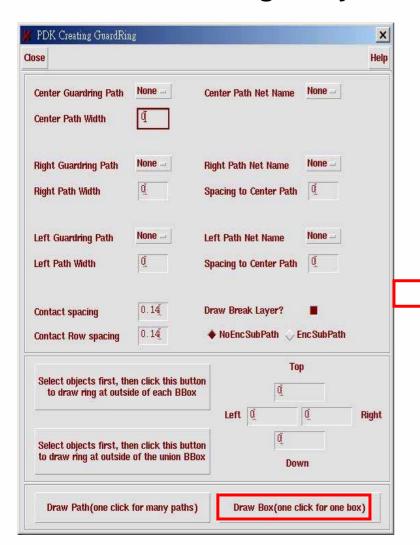


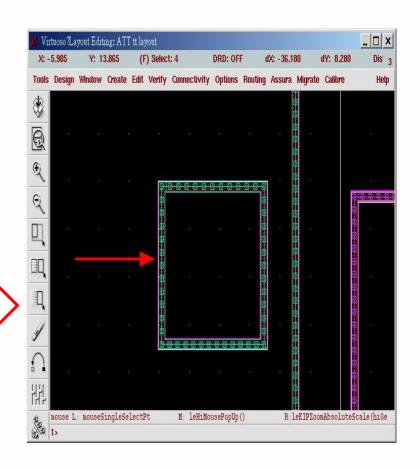


Create Guard-Ring path by hand



Create GuardRing utility :

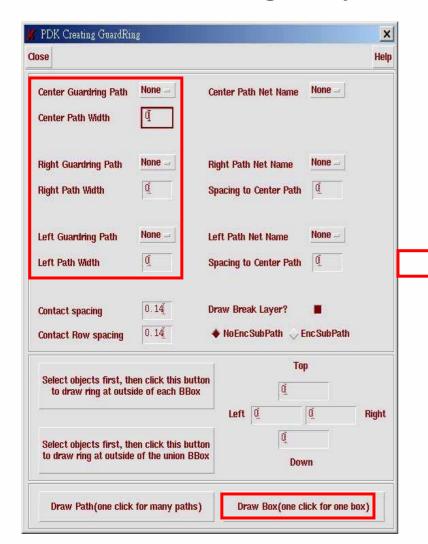


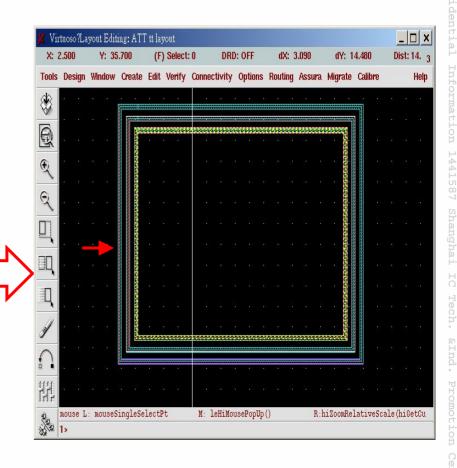


Create Guard-Ring box by click two points



Create GuardRing utility :

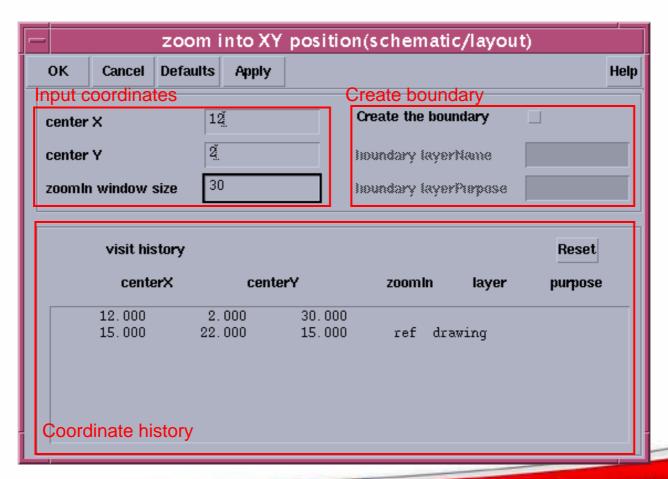




Create multi-Guard-Ring box by click two points



- tsmcPdkZoomIn(sch/lay) with history :
 - The function of tsmcPdkZoomIn(sch/lay) with history is an utility to help user easy to find the layout.

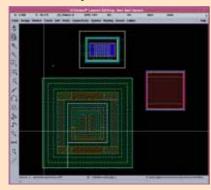




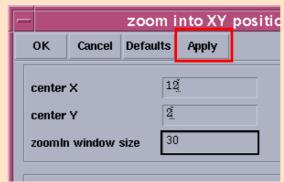
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Way1

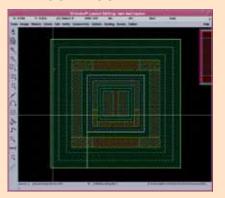
Select layout window





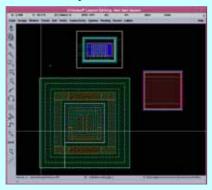


Window zoom in



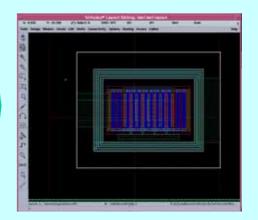
Way2

Select layout window



Double check coordinate history

visit history					Re
centerX	cent	terY	zoomln	layer	purp
12.000 15.000	2.000 22.000	30.000 15.000	ref dr	aving	





- Layout vs. Layout :
 - Layout vs. Layout (tsmcPdkLVL) is an utility to help user easy to compare the layouts.

	 Layout VS. Layout with 					
First cell setup	OK Cancel Defaults Apply	Help				
Thot och octup	Lib/cell Browser for first layout	Lib/cell Browser for second layout	Second cell setup			
	Library for 1st layout	Library for 2nd layout	=			
	Cell for 1st layout	Cell for 2nd layout				
Flatter autien	keep shapes form 1st layout on y1 layer	keep shapes form 2nd layout on y2 layer				
Flatten option		-	= 1			
	Flatten Level 32 ⁸ / ₂	Flatten Pcells				
	Preserve Pins Please input the comparision report directory	Preserve ROD Objects ■				
	ricase input die compansion report directory	Function description				
	Please read following usage prod	edure first				
	Selection :					
	choose first layout and second layout(DE choose the flatten setting					
	choose the text mode output report locat	cion.				
	Action : first cellName will be flatten into cell					
	second cellName will be flatten into cel the LVL comparision will be done without	rule and layer setting.				
	Limitation: cellName1 and cellName2 can/	t have the differece with "_flat" only.				
	Result: the reslut cellview is "cellName1_xor_cellName2" in library1. All shapes in the first layout will be created by "v1 drawing"					
	All shapes in the second layout will be The differences of each layerName will b	created by "y2 drawing"				
	the same layerName	o created by				
	Example:					

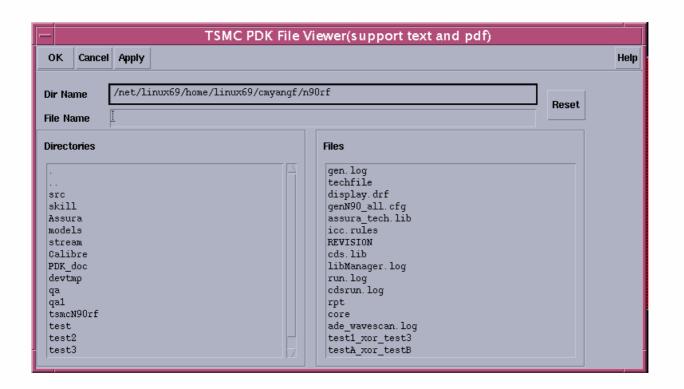


Security C Layout vs. Layout : **Before LVL After LVL** testA testA testB testA flat Cell:testA testA xor testB testB_flat Cell:testA_xor_testB Virtuoso® Layout Editing: test7 testA_xor_test8 layout Y: 2.220 Tools Design Window Create Edit Verify Connectivity Options Routing Assura Calibre 0 Cell:testB R: ddsOpenLibManager() Empowering Innovation



File Browser & Viewer :

■ File Browser & Viewer – TSMC file browser tool, user can easily find the file they needs.





tsmcPdkToolAbout :

