

Find Layout Connectivity Issues

To run this script

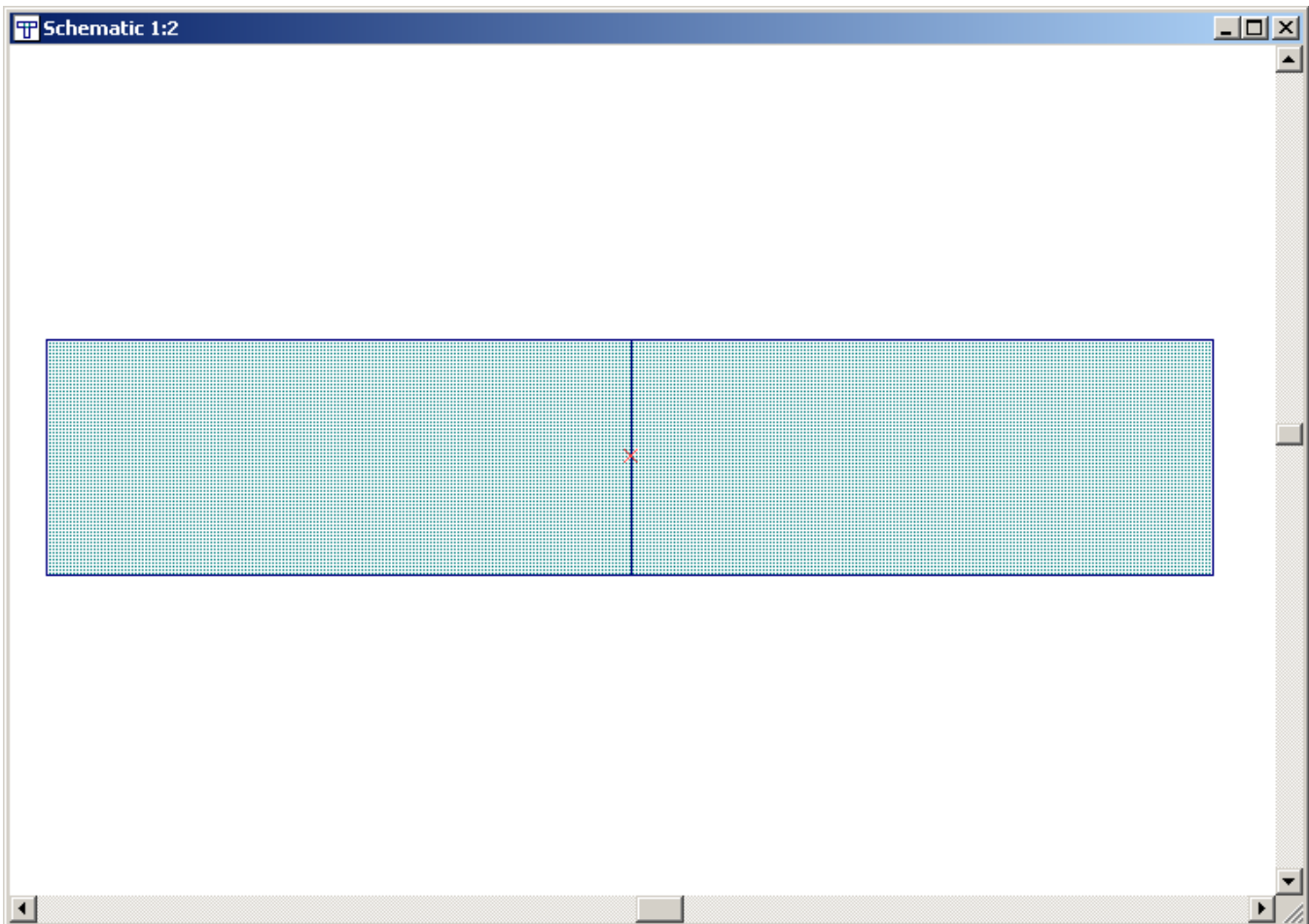
Select **Scripts > Layout > Find_Layout_Gaps** from the Menus.

Or, in versions that support the script, you can run the utility directly from this page using this button.

Description

This script uses DRC to find layout connectivity issues such as rats lines and gaps in layouts. Open the layout you want to check, make it the active window and then run the script.

In the example below, the two microstrip lines are not completely connected. The second picture shows the result after running the script. Running this script will require the Physical Verification feature in your license file.



Design rule violations for Schematic 1

Last Check: Fri Sep 11 17:19:38 2009 - Layout Name: Schematic 1 - Rule Deck: C:\Documents and Settings\ideen\Local Settings\Application Data\AV

- [-] Polygon DRC Violations -> Overall Errors: 5
 - [+] [Icon] 'Minimum separation' violation from Thick Metal to Thick Metal {SEPARATION "Thick Metal" "Thick Metal" 20 } -> Rule Errors: 4
 - [Icon] Disconnected layout -> Rule Errors: 1
- [-] Checked Violations -> Overall Errors: 0
 - [Icon] 'Minimum separation' violation from Thick Metal to Thick Metal {SEPARATION "Thick Metal" "Thick Metal" 20 } -> Rule Errors: 0
 - [Icon] Disconnected layout -> Rule Errors: 0
- [-] False Violations -> Overall Errors: 0
 - [Icon] 'Minimum separation' violation from Thick Metal to Thick Metal {SEPARATION "Thick Metal" "Thick Metal" 20 } -> Rule Errors: 0
 - [Icon] Disconnected layout -> Rule Errors: 0

Related Articles

See [Preventing Layout Problems](#) for information on how to prevent gaps in layout and other common layout problems.