

# ADIVA Quick Check

# Notice

Representations in this User Guide are meant as an overview and quick reference. Full details can be found in the On-Line manuals located at the *ADIVA Corporation* website - [www.adiva.com](http://www.adiva.com)

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# ADIVA Quick Check

Running ADIVA Quick Check is a simple, automatic process of selecting a Quick Check command file and letting it complete the defined checking process. The Quick Check process is designed to find critical physical and connectivity issues quickly. Items that are more manufacturability issues in nature should be addressed through a standard DRC analysis using manufacturability rule sets.

When checks are complete, a **Violation Checklist** will automatically appear reporting all checks that were run and their results.

All **Violation Checklist** functionality is available as defined in the **Adiva DRC Check User Guide**.

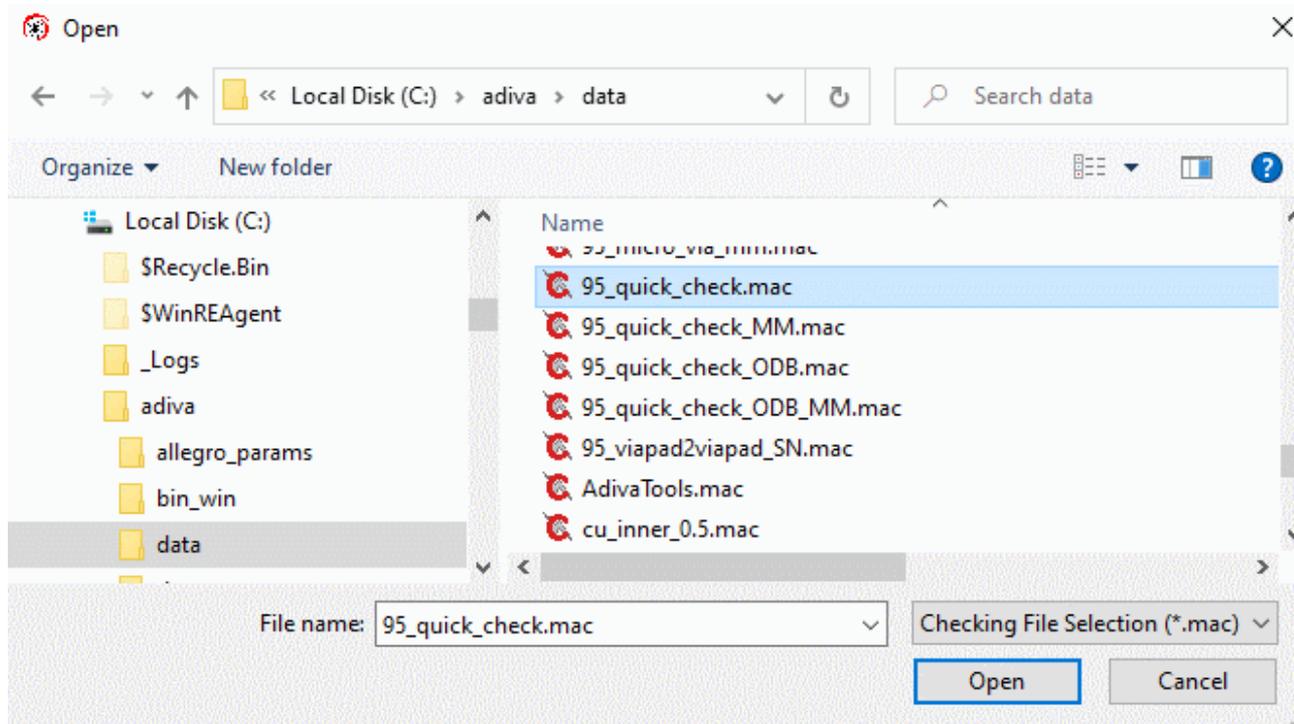
# ADIVA Quick Check

Build and prepare an Adiva database in a normal manner.  
Then select **Custom DRC Checking > Open DRC Checks**  
in the main Adiva menu bar...



# ADIVA Quick Check

A selection dialog will appear prompting the user to choose a custom check file for processing. In the case of using the Quick Check routine, choose the appropriate **95\_quick\_check.mac** file then select **Open...**



...the Quick Check routine will begin.

# ADIVA Quick Check

When it completes, the **Violation Checklist** will appear listing any critical violation found.

The screenshot shows a window titled "Violation Checklist Report". At the top left is an "Adjust Violation Range" button. To its right is a "Violation File:" label followed by an empty text box. Below these are three buttons: "Save Violation File", "Read Violation File", and "Browse".

Below the buttons is the text "Choose Violations to View..." followed by three radio buttons: "Critical" (selected), "Concern", and "Tol".

The main area contains a table with the following columns: "Accepted", "Param", "Layer", "Seq", "Violation Type", and "Comment". Each of the first three columns has a checkbox to its left. The "Critical" radio button is selected.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accepted	Param	Layer	Seq	Violation Type	Comment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.01300	1	5	Annular Ring - Pin-Thru Hole	0.056000 - 0.250000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.01300	6	6	Annular Ring - Pin-Thru Hole	0.056000 - 0.250000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.00600	1	7	Annular Ring - Via Hole	0.000000 - 0.009000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.00600	6	8	Annular Ring - Via Hole	0.000000 - 0.009000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.00600	1	9	Annular Ring - Via Hole	0.010000 - 0.010000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.00600	6	10	Annular Ring - Via Hole	0.010000 - 0.010000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.00600	1	11	Annular Ring - Via Hole	0.011000 - 0.250000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.00600	6	12	Annular Ring - Via Hole	0.011000 - 0.250000
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	0.01500	1	13	Annular Ring - Other	0.000000 - 0.042000

At the bottom of the window are four buttons: "Delete Selected Violations", "Clear Accepted Violation File", "Close Violation Checklist", and "Save Violation Summary Report".

# Viewing Individual ADIVA Violations

( See ADIVA's DRC User Guide for further details about running checks and viewing results )

Choose a violation type to review in ADIVA...

Param	Layer	Seq	Violation Type	Comment
7	0	0	Annular Ring - Via Hole	
7	0	0	Annular Ring - Via Hole	
7	0	0	Thermal Leg Connection - Min Qty	
4	0	0	Annular Ring - Via Hole	
2	0	0	Annular Ring - Via Hole	
2	0	0	Annular Ring - Via Hole	
2	0	0	Annular Ring - Via Hole	
1	0	0	Annular Ring - Via Hole	
0	0	0	Annular Ring - Via Hole	

Violation Object

ViolXY: 7.250000, 3.160000

Description: Annular Ring - Via Hole

Parameter: 0.005000

Amount: 0.000000

Net: [6814]

Ref-Desg:

Viol Seen: 2 / 4

Accept Violation(s)    Accept Remaining

Fix Violation(s)        Fix Remaining

Viol Seek                Viol Delete

...and select **Viol Seek** to see the violations in ADIVA

# END

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