ADIVA Quick Check
Cadence/Orcad

Document: 2/4/2021

Adiva Version 9.5

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

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ADIVA Quick Check

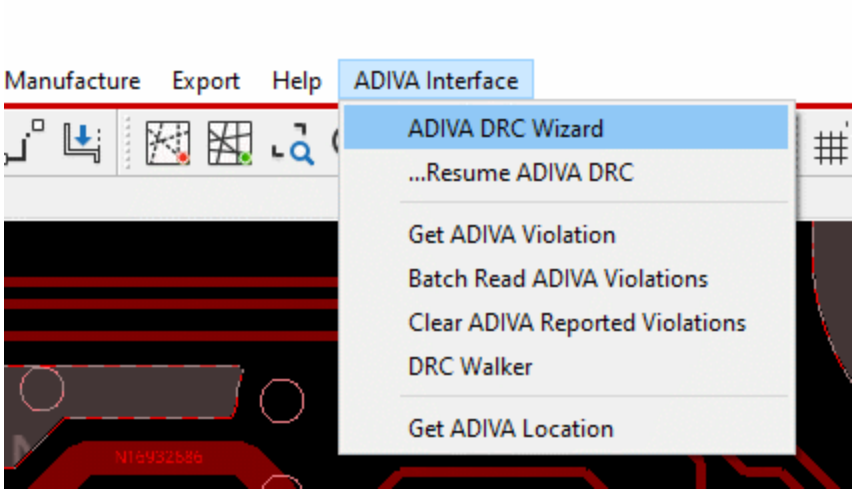
Running ADIVA Quick Check is a simple, automatic process of selecting a Quick Check command file and letting it complete the defined checking process. The Quick Check process is designed to find critical physical and connectivity issues quickly. Items that are more manufacturability issues in nature 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

In the main Cadence/Orcad menu bar, select **ADIVA Interface > ADIVA DRC Wizard**

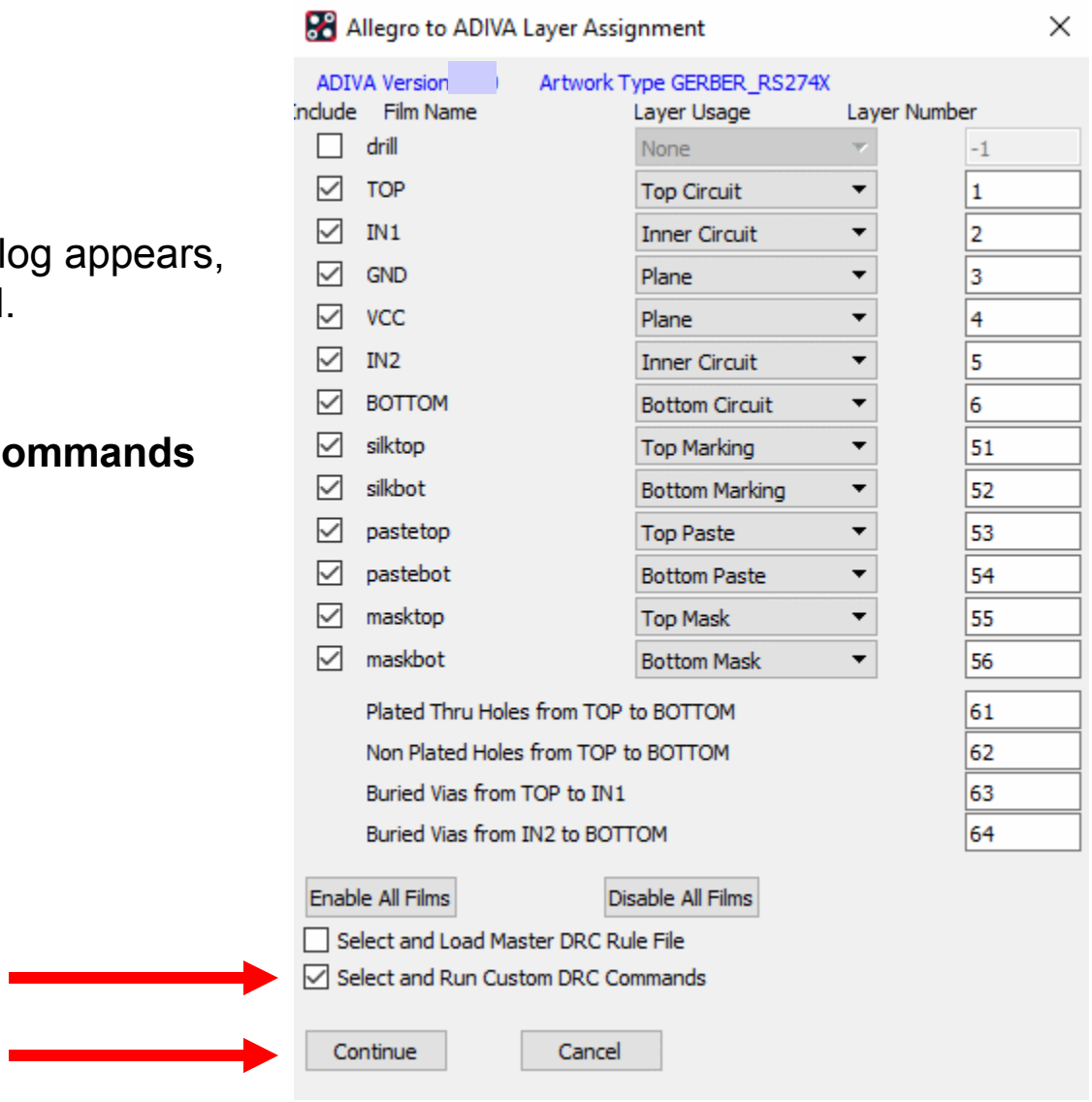


ADIVA Quick Check

Once the **Layer Assignment** dialog appears, verify layer assignments as usual.

Check the box…
Select and Run Custom DRC Commands

Then select **Continue**…



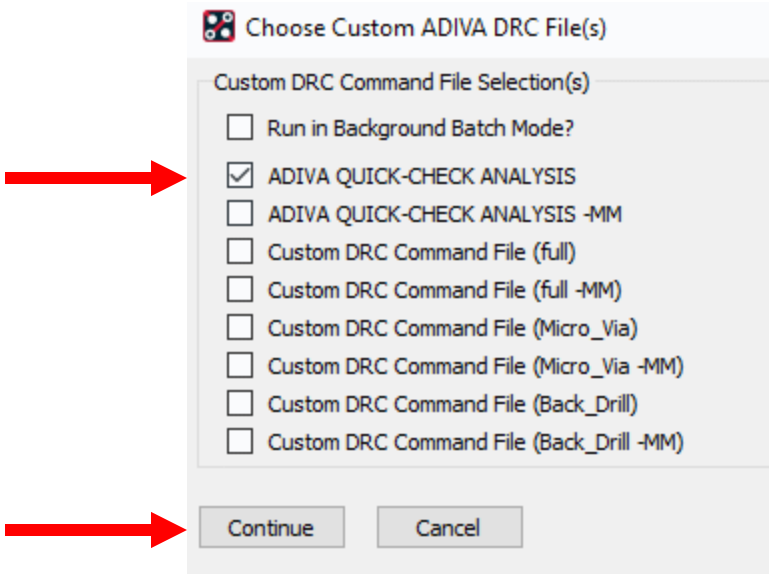
ADIVA Quick Check

The next dialog allows the user to choose their **Custom DRC Command** file.
In this case, choose…

ADIVA QUICK-CHECK ANALYSIS

-or-

ADIVA QUICK-CHECK ANALYSIS –MM if checking a metric data set…

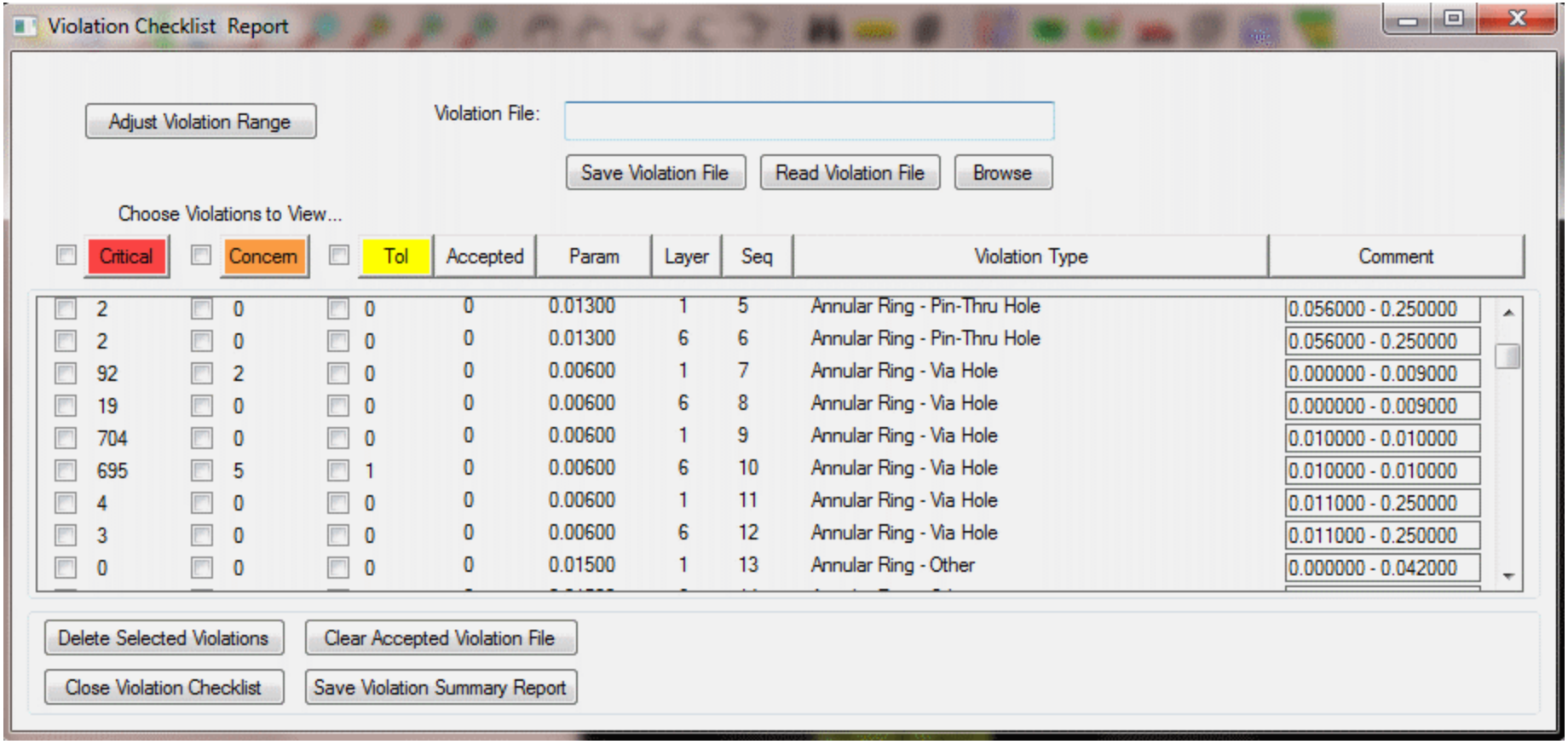


Then select **Continue**…

ADIVA Quick Check

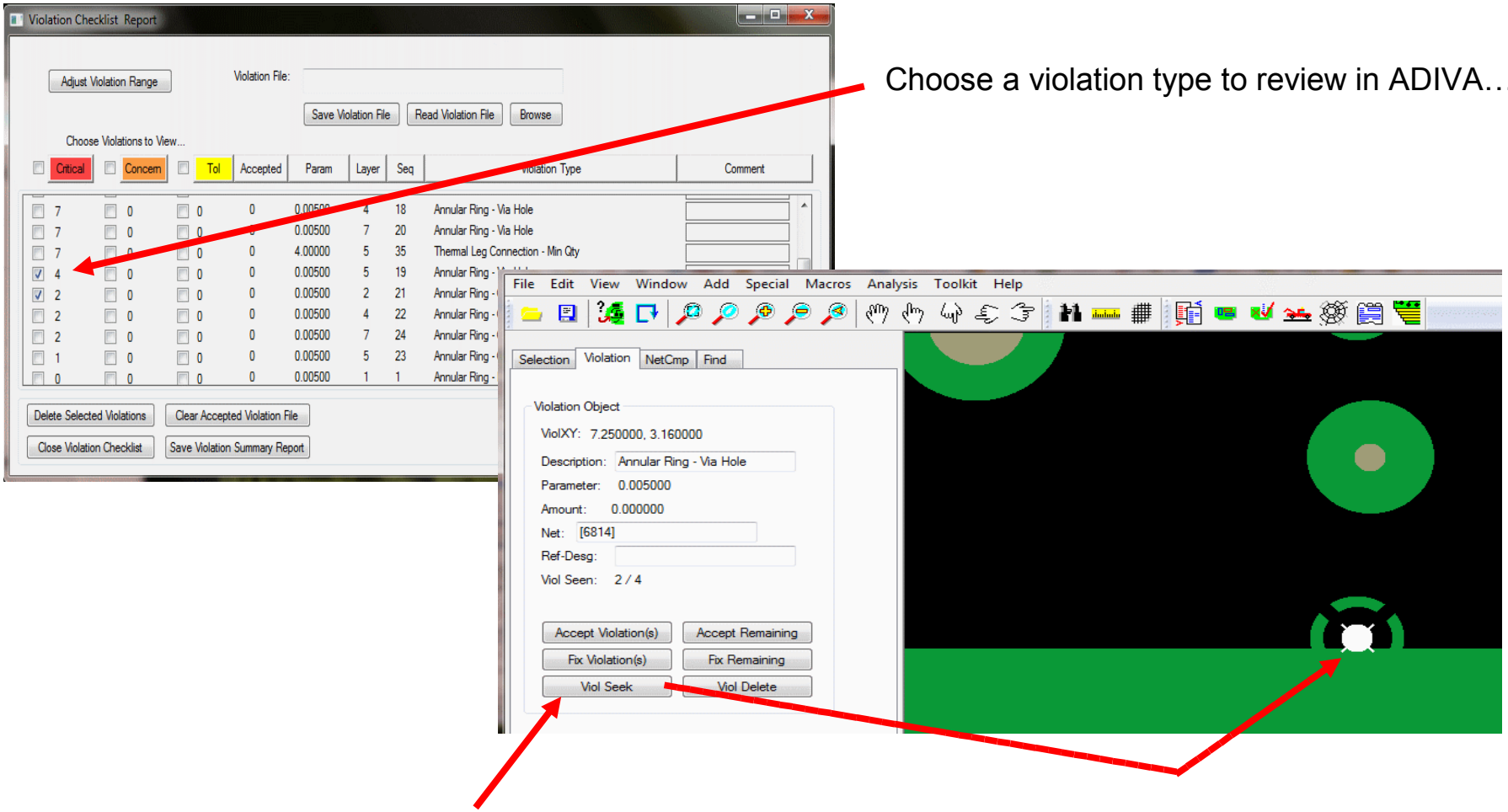
The Cadence/Orcad to Adiva conversion and build will begin automatically performing the Netlist Compare and the ADIVA Quick Check.

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



Viewing Individual ADIVA Violations in Cadence/Orcad

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

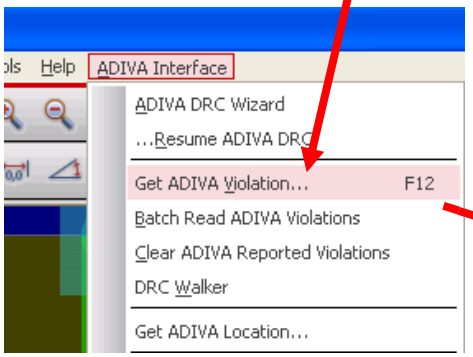


Choose a violation type to review in ADIVA…

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

Viewing Individual ADIVA Violations in Cadence/Orcad

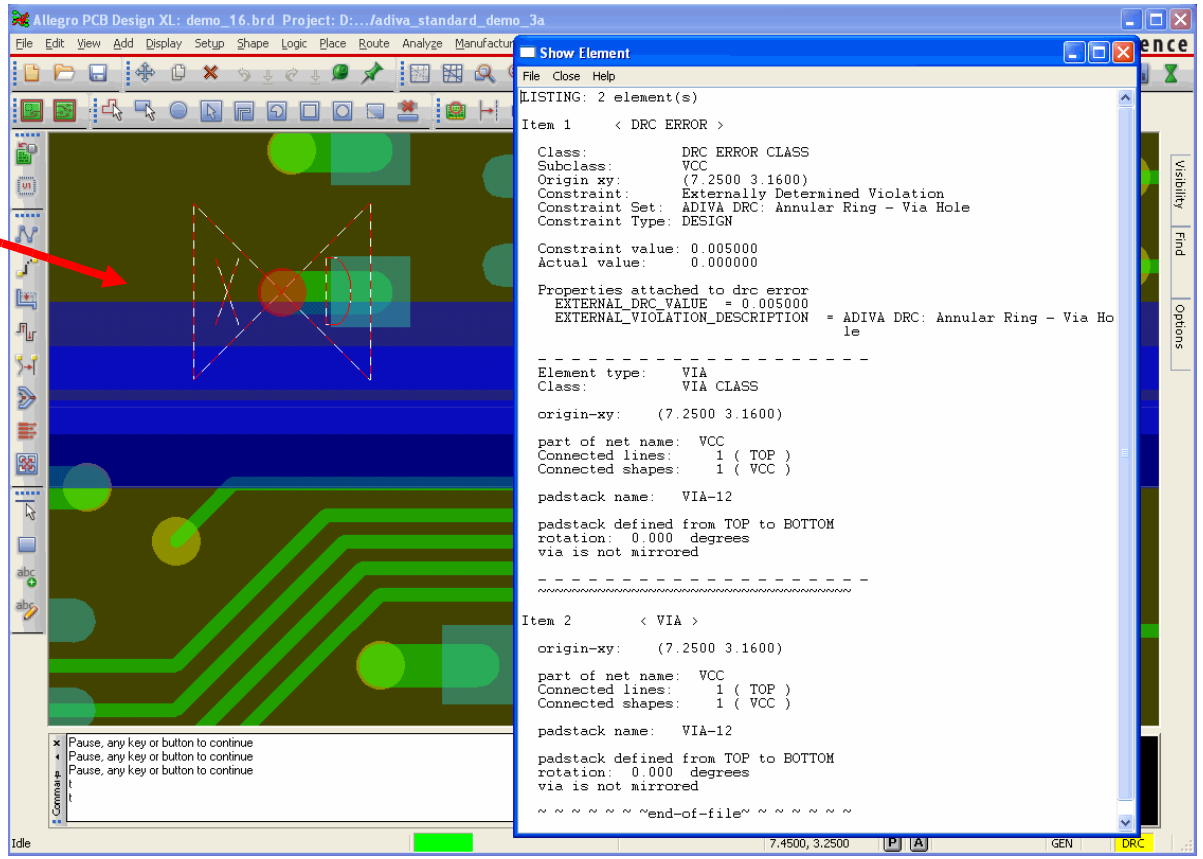
Then, for any given violation in ADIVA, select in Cadence/Orcad the **ADIVA Interface** menu and choose **Get ADIVA Violation…**



This will zoom the Cadence/Orcad screen and place a marker on the violation location.

It will also display the **Show Element** dialog describing the ADIVA violation.

Continue viewing more violations in ADIVA and for each violation seen, choose **Get ADIVA Violation…** to see the violation in Allegro.



END
ADIVA Quick Check
Cadence/Orcad