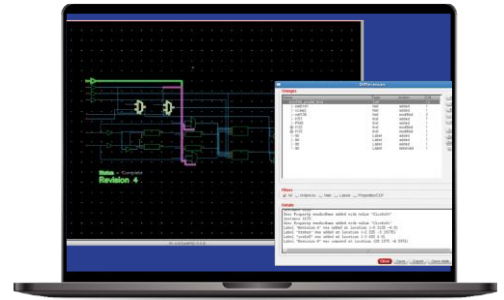


The Graphical Diff Platform for Schematics and Layouts

Simplify and enhance graphical diff with Keysight Visual Design Diff (VDD)



Save time

Keysight VDD highlights the differences between two versions of a schematic or layout for faster analysis.

Synchronize IP schematic and layout

With VDD, schematic and layout engineers always remain in full alignment.

Access instant reports

VDD automatically reports design changes for ECO review meetings.

Compare Schematics and Layouts

Keysight VDD enables designers to quickly compare different versions of a schematic or layout by graphically highlighting the variations in the design editor. Analog designers use VDD to identify and review design schematic and layout modifications and debug design regressions and ECO flows.

Cadence Virtuoso Integration

Keysight VDD works with the Cadence Virtuoso platform to detect modifications to nets, instances, layers, labels, and properties. VDD highlights all differences between two versions of the same cell view or between any two cell views of the same type. Supported view types include schematics and layouts.

Hierarchical Diff Checks

With Keysight VDD gives designers the option to check for differences hierarchically. The platform can flag all differences for the entire design hierarchy below the selected view. Design teams can also automate ECOs by running Keysight VDD in batch mode and exporting differences to a text or CSV format.

Problems Keysight VDD Can Solve

- Identifying changes in schematics and layouts is difficult and time-consuming.
- Schematic and layout designers and engineers often struggle to communicate effectively.
- Failing to report, visualize, and review all changes during engineering change order (ECO) meetings leads to oversights.

How Keysight VDD Can Help

Keep schematics and layouts in sync: Keysight VDD keeps all schematics and layouts remain 100% in sync. This enables easier collaboration between layout engineers and schematics. Schematic engineers can amend schematics without having to transfer notes to layout engineers. It is possible to view all updates and modify layouts to match them.

Review changes before checkins: Keysight VDD allows you to review changes before checkins using automated and accurate reports. VDD outlines all changes — even cosmetic — between new and old schematics and layouts. In addition, you can hide cosmetic changes from view.

Streamline engineering change order (ECO) design reviews: Keysight VDD makes it easy to prepare for ECO reviews. The platform automatically generates reports outlining all changes for easy and reliable reporting.

This tool is quite remarkable, and it is not exclusive to Keysight Design Management Software. It can run as a stand-alone tool. The software also gives you an opportunity to save the results as a text file which could be saved as one of the design's views. It's great for historical data on the design. The tool can also be used for diffing layout views, and we are now looking at using it for possibilities in diffing abstracts (as a quick means of checking for possible LEF changes).

Qualcomm

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