

Documentation

Refer to the [Calibre RVE User's Manual](#) for information on Calibre RVE for PERC.

Application Launch

From a layout or schematic editor choose:

Start RVE from **Calibre**, **Tools**, or **Verification** menu.

From left panel of Calibre Interactive:

Start RVE

From the command line:

```
calibre -rve
calibre -rve -perc path_to_SVDB [TOPCELL]
calibre -rve -perc path_to_DFMDB [TOPCELL]
```

Connecting to a Layout or Schematic Editor

- Connection to a layout or schematic editor is made automatically when you start Calibre RVE from the editor or from Calibre Interactive with an editor connected to the Calibre Interactive session.
- For instructions on making a manual connection to an editor, see the [Calibre RVE User's Manual](#).

Running Calibre PERC

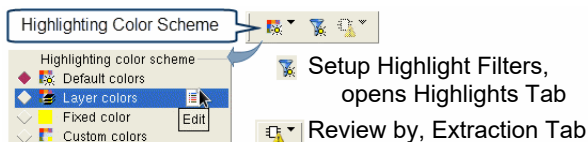
The [Calibre PERC User's Manual](#) describes how to set up and run Calibre PERC.

The `-property` argument to the `perc::report_base_result` command is useful for adding properties to a result. The properties can be used to sort and filter the results in Calibre RVE.

A Calibre PERC run with topology or voltage rule checks produces an SVDB database.

A Calibre PERC LDL run produces a DFM Database, and optionally an SVDB.

PERC Toolbar



The **Highlighting Color Scheme** applies to all objects. The settings in the **Highlights** tab apply to connectivity objects (nets, devices, and ports). The **Highlights** tab and the "Layer colors" color scheme are not available for source-based topological Calibre PERC results.

Color Scheme:

Default colors — Cycles through the default set of highlight colors.

Layer colors — Uses a separate highlight color for each design layer.

Fixed color — Uses a single color for all highlights.

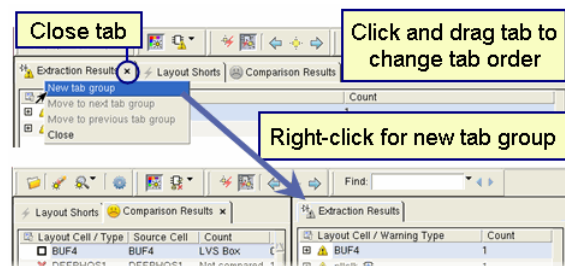
Custom colors — Cycles through a custom set of highlight colors.

Other Icons

Result Status	Result View	Other Icons
Clean	List format (default)	Group By (Tree View)
Error	Icons format	Result Filter
Waived	Details format	Bookmark
Check Aborted		Column Selection
		Top Cell

Tabbed Views

Results and reports are arranged in tabs. Right-click for a tab control menu.

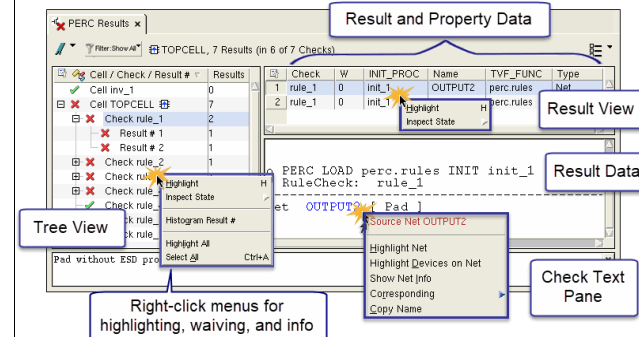


Tab groups make side by side comparison easier.

Calibre PERC Results

The tab icon shows the final run status:

Clean , Error , Aborted , PERC Info



Select **Highlight > Setup Highlights** to set highlight filters for a layout-based Calibre PERC run.

See [Grouping Results in the Tree View](#) and [Filtering Results](#) on the next page.

Also see "[Viewing Separate Placements of a Result in the PERC Results Tab](#)" in the manual.

Waiving Results

For topological Calibre PERC runs.

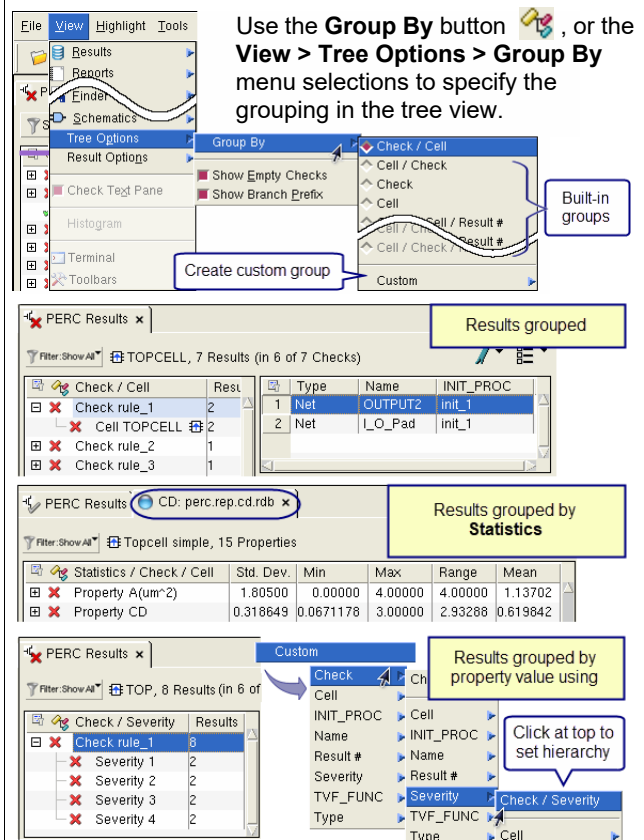
1. Select options on the **Setup > Options > Waivers** pane.
2. Waive a result by selecting the result or group, then right-click and select **Inspect State > Waive**.
3. Select **Tools > Export PERC Waiver Description File**.
4. Specify the exported waiver description file with the PERC Waiver Path statement in your rule file.

Histograms

Select **View > Histogram**, or right-click in the tree view to create a histogram of property data.

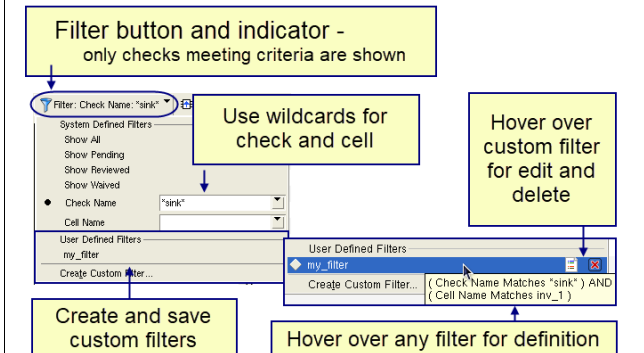
Properties are added with the `-property` argument to the `perc::report_base_result` command in Calibre PERC runs. Calibre PERC LDL results automatically include properties such as the current density or resistance.

Grouping Results in the Tree View



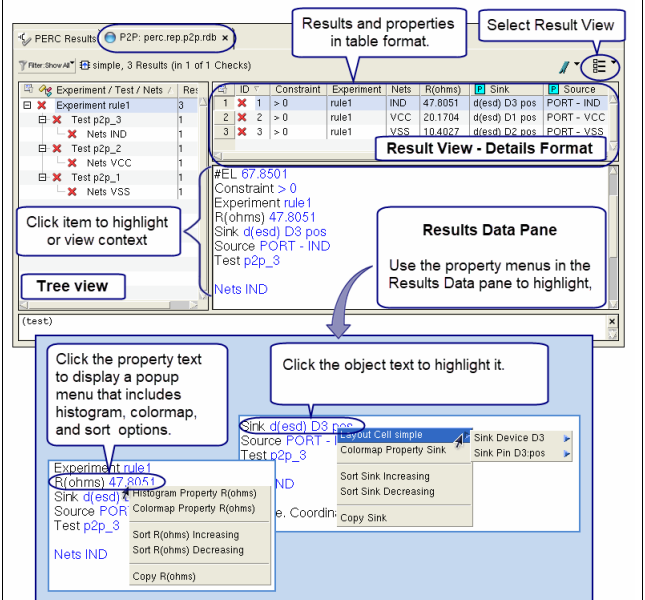
Filtering Results

Use the filters to select a subset of the data for focused analysis.



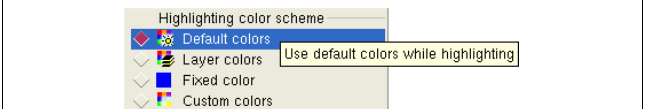
Viewing Calibre PERC LDL Results

Calibre RVE for PERC automatically opens all result databases that are produced by the Calibre PERC LDL run.



Set highlight colors for PERC LDL:

- **Highlighting color scheme** (see PERC Toolbar)



- **Highlight > Setup Highlights** — Set highlight colors and filters for connectivity objects.

Miscellaneous

You can use these features from Calibre RVE for LVS:

- **Navigator Pane** — Easy access to reports and tools.
- **Info Pane** — Detailed information on layout design elements presented in a tree view.
- **Finder Tab** — Search and search filter selections.

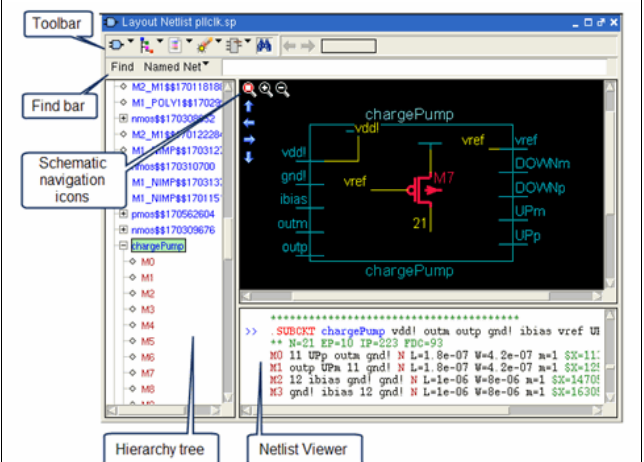
Select **View** to open each of these tools.

Also see “[Links to Custom Reports in Calibre RVE for PERC](#)” in the manual.

Internal Schematic Viewing

The internal schematic viewer uses schematic rendering for both source and layout schematic viewing.

- Turn off automatic opening of the internal schematic viewer by disabling “Show netlist schematics on highlighting” on the **Setup > Options > Schematic Viewer** pane.
- See the **Setup > Options** tab for additional settings.



Schematic Navigation

The following keyboard shortcuts and mouse actions are available in the Internal Schematic Viewer:

Keyboard Shortcuts

Fit in window	Home
Pan	Arrow keys, Page up, Page down

[illegible]

Highlight net or pin	Click on net or pin
Draw connected nets	Double-click on pin
Draw (expand) cell contents	Double-click on cell outline
Collapse cell	Double-click on outline of expanded cell

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Highlight element	RMB > Highlight
Remove highlight	RMB > Unhighlight
Other context-sensitive actions	Click RMB on element