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Software Development

Plug-In PCB-Investigator:

„GenCAD“ imports and exports
PCB data in GenCAD format

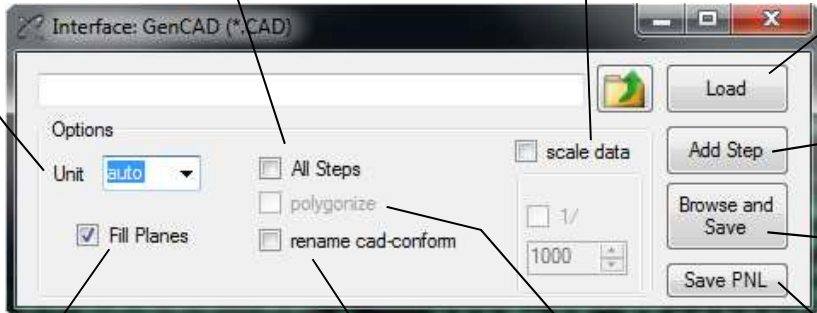
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GenCAD Plug-In

After installing the Plug-In you get a new menu item  GenCad .



The screenshot shows the 'Interface: GenCAD (*.CAD)' dialog box with the following callouts:

- Specify the unit**: Points to the 'Unit' dropdown menu, which is currently set to 'auto'.
- Save all steps**: Points to the 'All Steps' checkbox.
- Scale your data to ensure a correct display**: Points to the 'scale data' checkbox.
- Load a GenCAD file into PCB-Investigator**: Points to the 'Load' button.
- Load a GenCAD file and add it as ODB++ step**: Points to the 'Add Step' button.
- Save as GenCAD file**: Points to the 'Browse and Save' button.
- Save as PNL file and create a GenCAD file for every ODB++ step**: Points to the 'Save PNL' button.
- Fill planes independent of plane properties**: Points to the checked 'Fill Planes' checkbox.
- Export layer names cad-conform to avoid difficulties in the display**: Points to the 'rename cad-conform' checkbox.
- Doing that you can also combine several surfaces to a plane**: Points to the 'polygonize' checkbox.

GenCad Plug-In

- The GenCAD Plug-In provides a GenCAD interface based on 4.1 version.
 - There are different ways to work with GenCAD files and PCB-Investigator: Just load a GenCAD file or add it as an ODB++ step.
 - Specify the unit according to your requirements or scale your data to make sure you get a correct display.
 - Not all programs are able to read ODB++ layer names in GenCAD files. Rename your layers cad-conform to avoid difficulties. Only in combination with that you can polygonize, which means you can combine several surfaces to one plane.
 - If you want planes to be filled - not only the outline - check the according box.
 - Saving your GenCAD data you have different possibilities as well: Save the data as PNL file and additionally create a GenCAD file for every ODB++ step. Or save the data as one GenCAD file with the option to include all steps.
 - If there are any problems during the import or export, the Plug-In will create a detailed and comprehensible list of errors.
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