PCB-Investigator

Product Extensions 01/2013

Embedded

With **PCB-Investigator Embedded**, you enable every department involved in PCB development and production working with PCB-Investigator without buying more licenses or running more installations.

Component Analysis

PCB assembly should be designed to ensure a fast placement and good solder ability. Set up the rules for your factory using **Component Analysis Plug-In** to find all components causing distance results.

Bare Board Analysis

Bare Board Analysis Plug-in. Using ODB++, IPC 2581 or GenCAD as source creates a very exact result of DFM (Design for Manufacturing) analysis. It is even possible to find shorts because all objects are referred to a Net.

Stencil Analysis

Check all features regarding IPC 7525.

Tombstone Analysis

Asymmetries between two pins on one component can cause trouble in manufacture. The Tombstone Analysis Plug-In creates a list with assemblies with two pins and their differences in size.

Hazard Analysis

Create a risk analysis with tool support and find possible shorts in seconds. The **Hazard Analysis Plug-In** displays all possible hazard areas as both a list and graphical.

Component Connect Analysis for EMC

Do you want to check whether each pin has a blocking capacitor? The solution is the new Plug-in "Component Connections". This plug-in allows to see the connections of a previously selected object of the board.

Database Compare

The **Database Compare Plug-In** enables you to recognize differences between two PCB data sets on one view; choose if you want to see differences in net or component information.

Graphical Compare

The **Graphic Board Compare Plug-In** shows differences between two process steps of one job by comparing the board graphically.

Component Editor

Edit all attributes from Components or change geometry.

AOI High Resolution 1bit BMP Output

Create high-resolution bitmap graphics out of your pcb data with the **AOI Plug-In** to inspect them. A variety of settings before the export guarantees a display according to your requirements.

PDF Synchronization

Synchronize your pcb data between PCB-Investigator and PDF documents.

Design Report

This on the CAD/CAM market so far unique Plug-In creates an overview of all relevant key data of a printed circuit board.

3D Catia Export

With the **3D Export Plug-In** you transfer original objects to your 3D environment. Starting with ODB++ or IPC 2581 files get exact conversion to original CATIA objects.

3D SolidWorks Export

With the **3D Export Plug-In** you transfer original objects to your 3D environment. Starting with ODB++ or IPC 2581 files get exact conversion to original SolidWorks objects.

Net Length

The **Net Lenght Plug-In** calculates the lengths of all nets of a printed circuit board and outputs a clearly arranged list.

NetList

The **Net List Plug-In** gives you an overview of the different voltages in a PCB data set by creating a list with all nets and belonging components.

Test Point Report

The **Testpoint Report Plug-In** creates a list with all test points on the board.

Import Drawings

Import DXF, DWG, DWT, HPGL, PLT, CWG data. Create a full working set of all production data in ODB++ Format.

Edit CMP

The Plug-In **Edit Component** for Electronic change proposals.

Google Sketch Up Export

This feature can create a dae-file to import the PCB in google sketch **up.**

Net Group Manager

Create own Groups. Select or search for a net to add it to a group. Add extra information to each group. Predefine a color for the group view. Analyze distances between two groups.