# PCB-Investigator

## Product Extensions 3.4.4

### 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

Assymetries 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 testpoints on the board.