



PCBi - Physics

04/2025



PCBi-Physics

Load PCB

Analysis

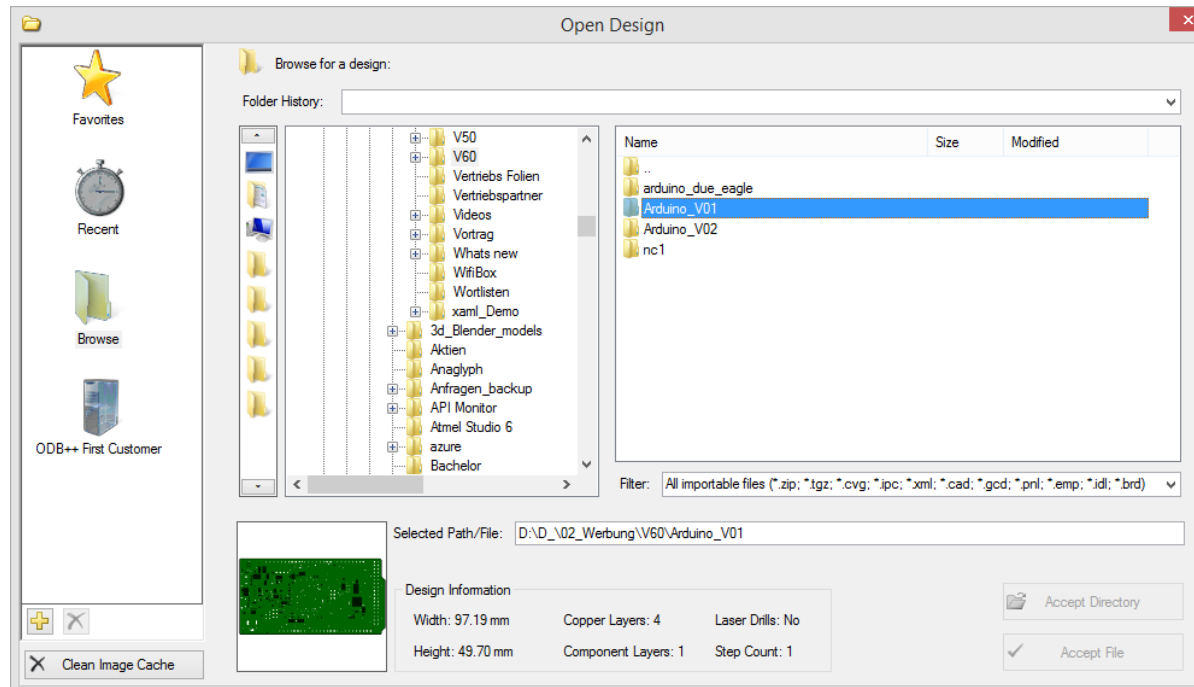
Component
Compare

Net Compare

Data content

Prepare the PCB data as ODB++
The source can be

- **ODB++**
- **GenCAD**
- **IPC2581**
- **IDF 2.0 / 3.0**





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Data content

- ++ Perfect board shape**
- ++ Perfect component shape**
- ++ Integrated functions for design changes**
- ++ Back annotation of changes**
- ++ Memory usage optimized Solver**
- ++ High resolution current/temperature Solver**
- ++ Current temperature coupling**
- ++ Net based Solving**
- ++ Pin addressed current modelling**
- ++ Solver used GPU performance**

Coming fall 2018

- ++ Transient solving of current and temperature**
- ++ Heating profile + PWM**



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Data content

- **Temperature from components**
- **Temperature from current flow**
- **Voltage drop**
- **Resistance**
- **Current density**



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Load PCB

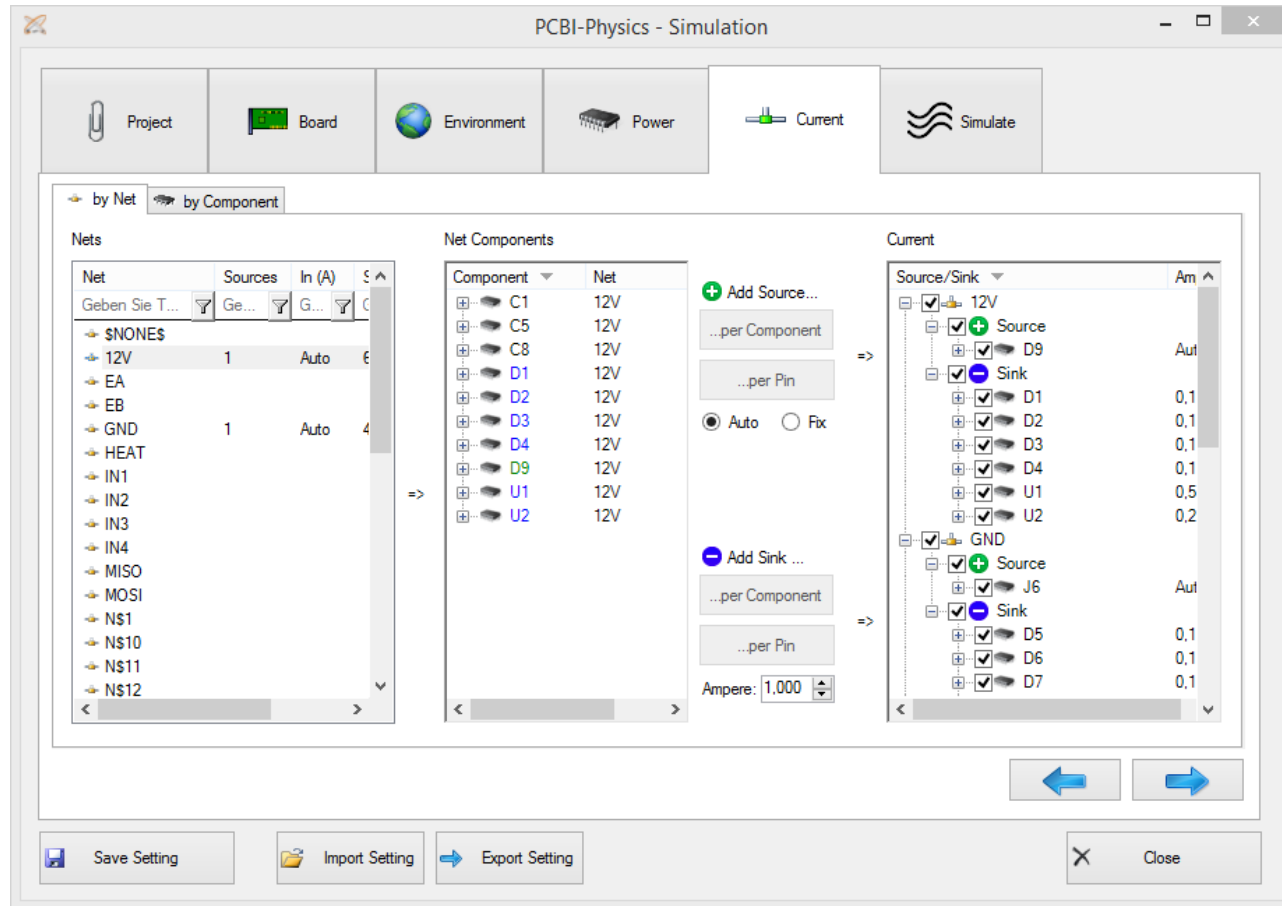
Analysis

Setup Analysis

Net Compare

Service

Define current for required net





Get the temperature for any net and the whole board

Setup Analysis

Result

Service





PCBi-Physics

Load PCB

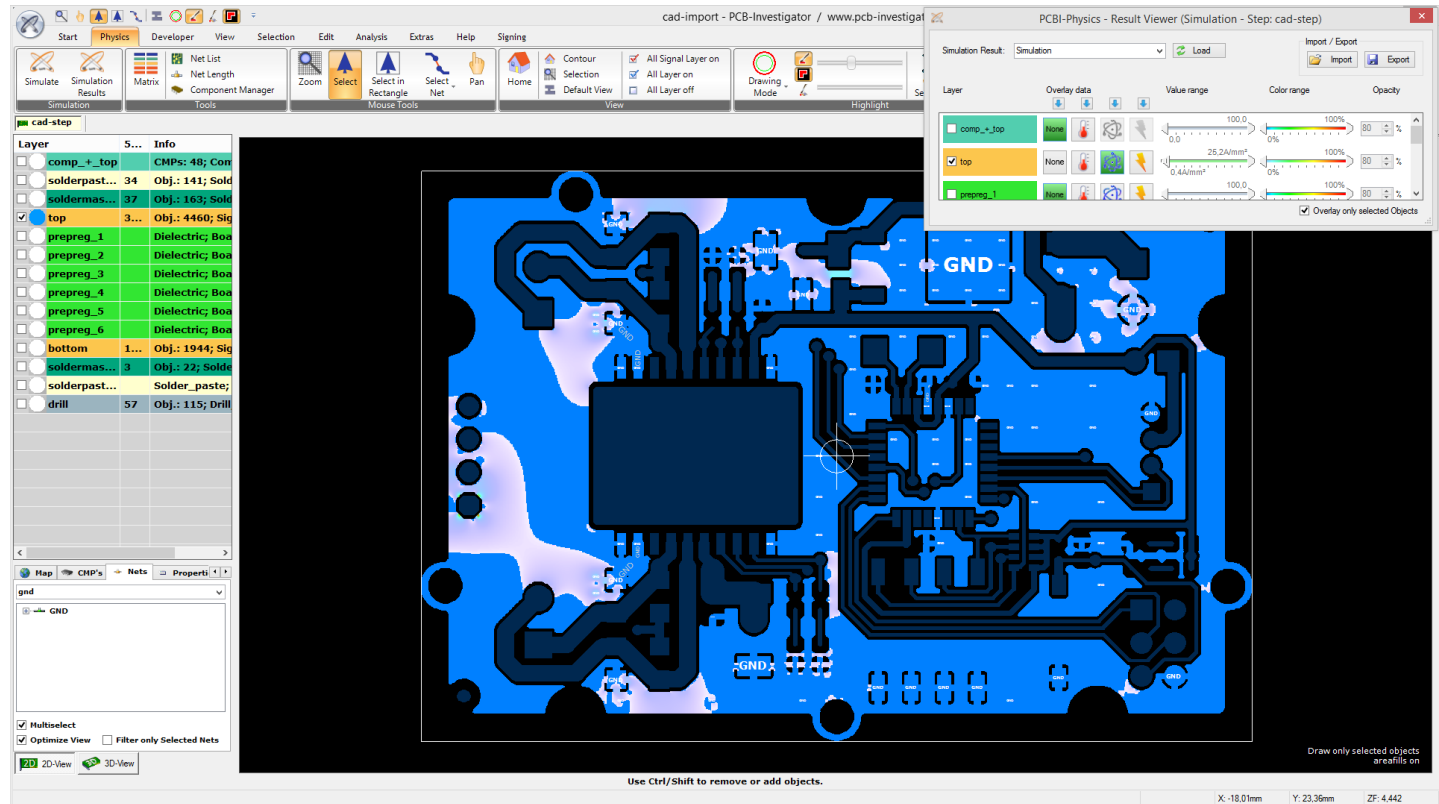
See current density for any net in detail

Setup Compare

Setup Analysis

Result

Service







PCBi-Physics

Load PCB

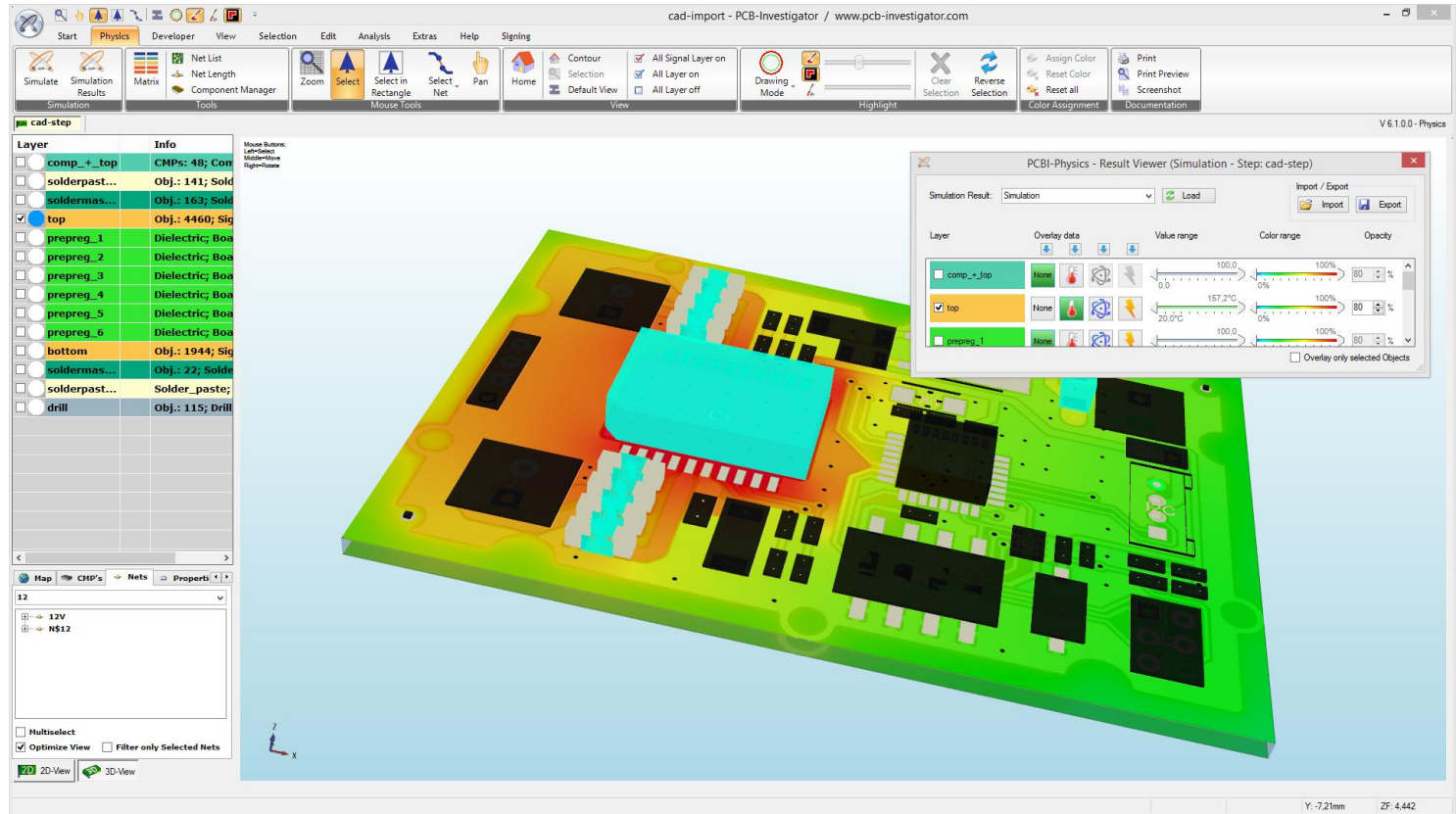
Check the result in 2D and 3D

Setup Compare

Setup Analysis

Result

Service





PCBi-Physics

Load PCB

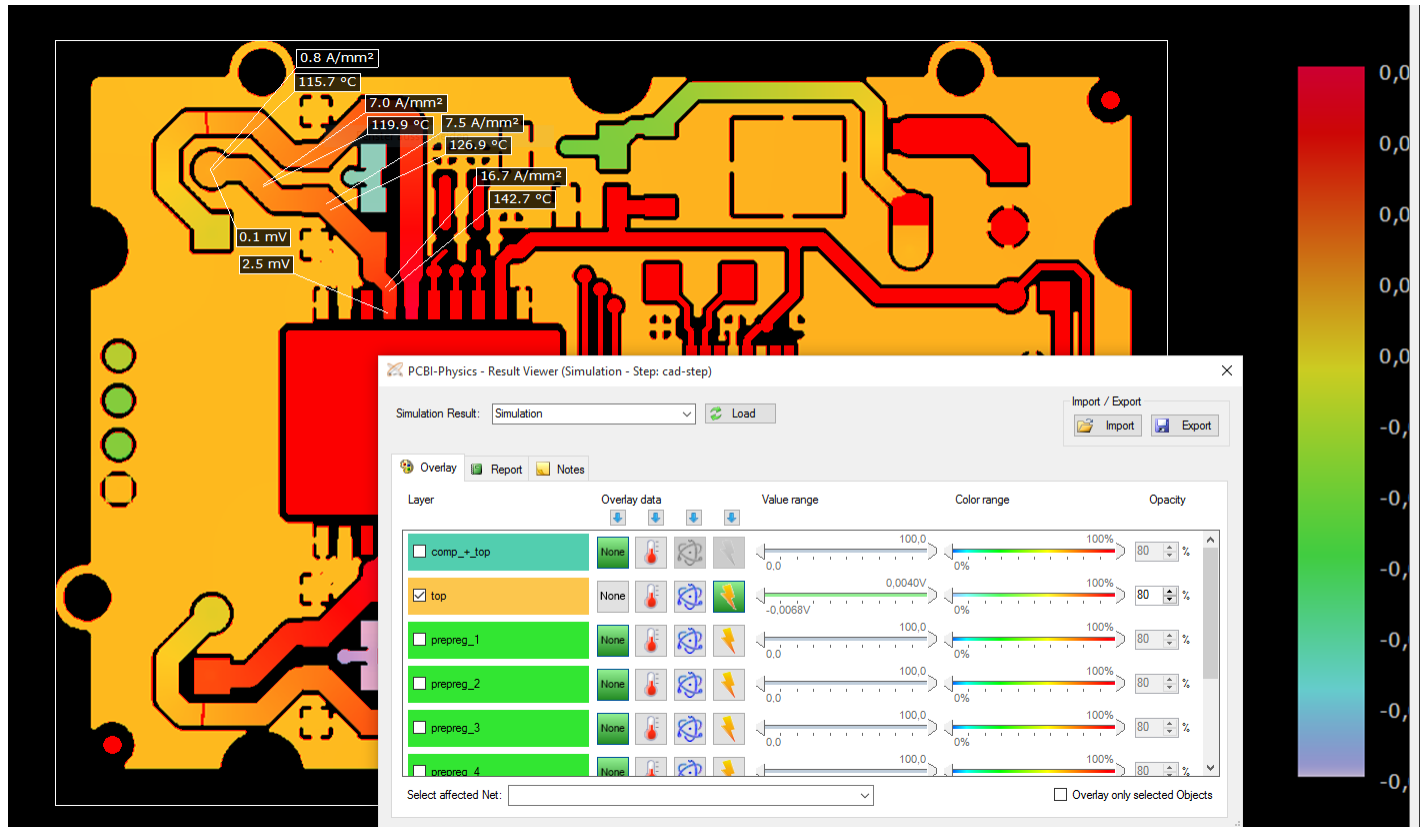
Mark the result with notes

Setup Compare

Setup Analysis

Result

Service



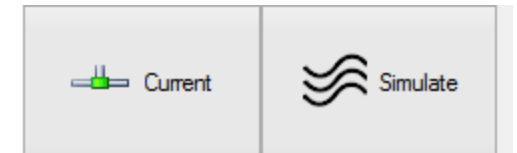
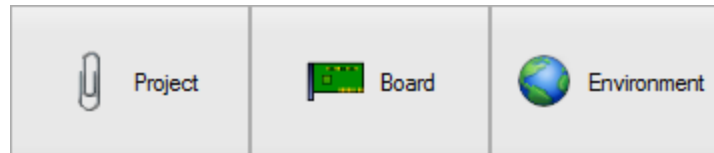


PCBi-Physics

Load PCB

We provide full analysis service for you PCB using ODB++ Data

Setup Compare



Setup Analysis

Result

Service

Get in touch,
info@easylogix.de
Günther Schindler
Tel. +49 941 604 889 719



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PCBi-Physics
www.PCBi-Physics.com

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Native Board Import (3D Interface to CATIA, SiemensNX, SolidWorks, SolidEdge)
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