

On Proventus *Technologies*

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RStation - Repair station software for integrated circuit (IC) troubleshooting

RStation is a software tool for performing symptom analysis and detecting the exact locations of real faults at the PCB level using visual focusing. RStation is built taking into consideration the working process of the technician working process tailored to simplify his work and save time.

RStation provides a rich set of functions for IC trouble shooting such as:

- Display of all IC data including components, nets, vias, test points etc.
- Zooming panning etc. at very high speeds
- Search for components, nets etc by name and pin
- Calculating and highlighting net traces through all layers, including all components connected to specified net
- Highlight 2 (and more) net traces to assist in the investigation of shorts
- Display PDF electronic schema linked by component or net

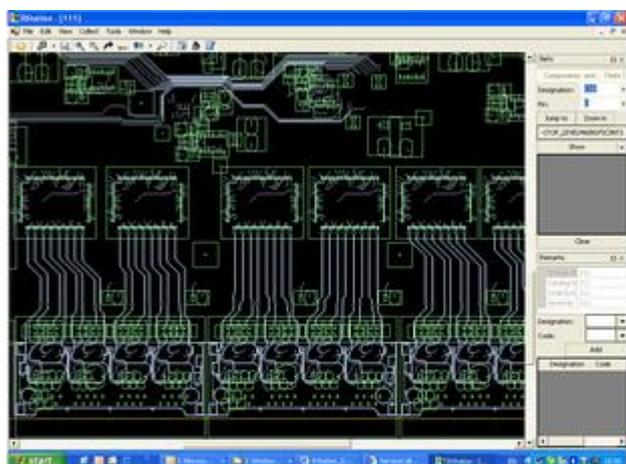


Figure 1 shows a standard view of the PCB with components and top layer nets.

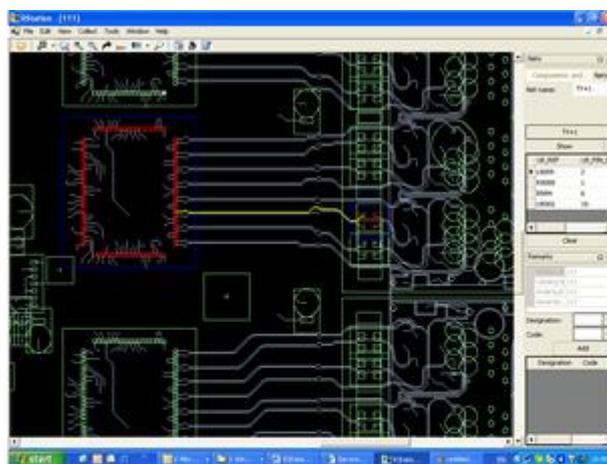


Figure 2 shows the trace of a selected net. Note that the components connected to the net are highlighted in blue/red, and that the net trace itself is colored in different colors (yellow/brown etc) for different layers.

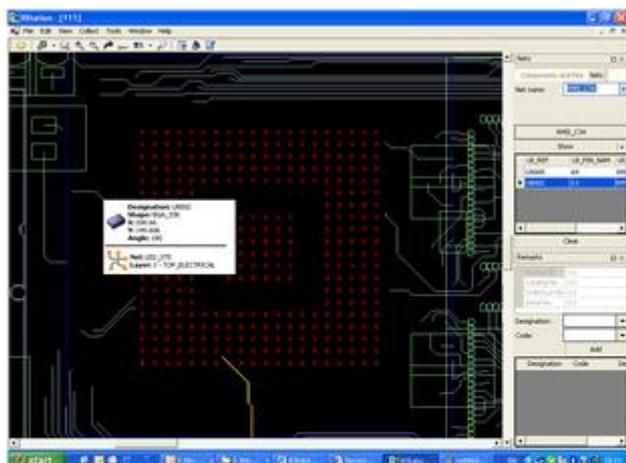


Figure 3 shows a BGA in zoom of 800/1. Note the component information pop-up available on clicking the object.

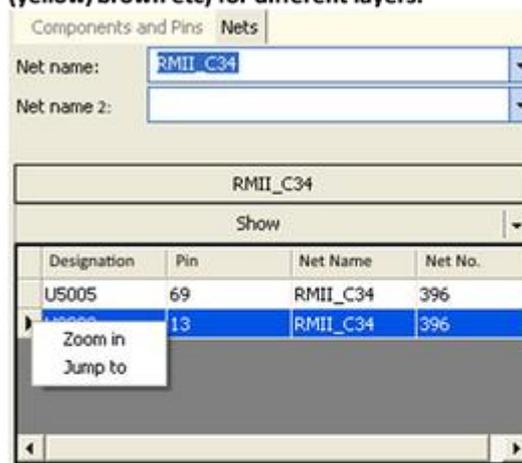


Figure 4 shows the list of components connected to the specified net. Note the "Jump To" and "Zoom In" commands available on right click.

Proventus's RStation supports most leading CAD formats including Mentor, ODB++, Cadence, Altium, PCAD, Veribest, Fabmaster, GenCAD, IPC, Zucken CADStar, UniCam and more as a built-in feature with no extra cost. This is of particular importance for companies performing several types of tests (ICT, JTAG, Flying probe, boundary scan). With RStation, standard CAD files can be used for IC troubleshooting, without the need to invest in additional costly viewers or converters for each tester.

In addition, IPC format the most available format in the industry, provides most answers in zero time.

RStation supports synchronizing catalog numbers according to imported BOM files. This feature enables the user to update the displayed catalog numbers with the latest BOM or the right BOM configuration.

Try us – for free!

Get RStation for a free trial.

Analyze symptoms and detect real faults at a PCB level with visual focusing via a dynamic image of your PCB and much much more.

Contact us –try RStation on your own data. In order to start your free trial, please click below.

TRY NOW

A glimpse of our previous newsletter:

TopoQC - The Measles Chart Approach

TopoQC is a software tool for analyzing and locating faults at the PCB level using visual focusing in order to improve product quality and yield.

TopoQC collects information from every production station and from additional sources of information at the PCB level, such as AOI machines, electrical testing platforms, touch-up stations, QC etc.

The system monitors faults in a variety of cross-sections stations (AOI, QC, Electrical testing, FT etc.), MES systems and manual collection (e.g. Excel). Data is presented on a dynamic image of the PCB wherein, faulty components will be marked in different colors according to the quantity/percentage of faults (light – less faults, dark – more faults). The dynamic image allows for readily locating fault-trends originating from various causes involved in PCB manufacturing, reaching real time conclusions regarding the causes of faults such as placement area (heat distribution, lack of AOI coverage), barcode problems, proximity problems, problem with a specific component etc.

Contact us for a free trial period of TopoQc.

In order to start your free trial, please click [here](#).



Alexei Shkolnik

Engineering software development manager

Knowledgeable in the development and implementation of engineering software solutions such as quality systems and shop floor management, production planning tools, knowledge management systems and more.

Extensive experience in complex solutions that use extensive statistical and intelligent algorithms development process improvement.

In the past, Developer of ATE Systems and infrastructure management system in IAF.

Email: alexeis@proventustech.com