



# PCB Design Level 2

## Advanced PCB Design Tools

### Summary

Proteus PCB Design Level 2 includes the full range of features in the PCB product range, making it suitable for designing higher density, more complex PCB's. The layout size is limited to 1000 physical pins in the netlist.

The main software modules included with the product are:


- Professional Schematic Capture Module.
- ProSPICE Professional Simulation Engine.
- Professional PCB Layout Module (1000 Pins)
- Shape Based Autorouting Engine.
- 3D Visualisation Module.
- MCAD Compatibility with STEP/IGES Import and Export.

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### Included Features

The following features are all included with the PCB Design Level 2 Product.

- True Hierarchical Schematic Design.
- Fully Customisable Bill of Materials Reporting Module.
- Interactive Design Explorer with Cross Probing.
- Support for product Assembly Variants.
- Project Notes module (Documentation Centre).
- Formal Design Re-use with Project Clips/Design Snippets.
- BSDI and PADS ASCII Library Part Import Tools.
- 3D Board Visualisation.
- Gerber, ODB++, IDF, PDF, STEP and IGES Output Formats.
- Adaptive Shape Based Autorouter in scriptable or interactive mode.
- Hardware Accelerated Display with Layer Transparency.
- Comprehensive Design Rule Configuration.
- Design Rule Aware Interactive Routing.
- Automatic Length Matching / Net tuning of routes.
- Adaptive Shape Based Autorouter.
- Automatic Power Plane Generation (limited to one per layer).
- Gerber Export.
- Multiple Power Planes per Layer (e.g. an Analog Ground and Digital Ground).
- User drawn Power Planes of specific dimensions.
- Dynamic Teardrops.

 You cannot make PCB boards with more than 1000 pins with the PCB Design Level 2.

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## Excluded Features

There are no PCB features excluded from this product.

Proteus PCB Design Level 2 has a design capacity of 1000 pins. The following products also include all PCB Design Features but have a higher design capacity.

- PCB Design Level 2+ has a 2000 pin capacity.
- PCB Design Level 3 has an unlimited design capacity.
- Proteus Platinum has an unlimited design capacity. \*

*\* Proteus Platinum Edition also includes Advanced Simulation Features and our complete range of Proteus VSM simulation products.*

With continual development on the Proteus Design Suite we endeavour to keep all content updated with the latest product details. On rare occasions this may not happen immediately, and website content will then be incomplete or inaccurate. We will attempt to correct any such errors as soon as possible, E&OE.