



PROTEUS V8.8

NEW

FEATURES

Introduction

Proteus V8.8 brings major enhancements to the PCB Design product and was introduced in August 2018.

The new features include a Library Part Importer wizard, the ability for Design Rules to apply to specific regions of the board, and an extension to the Design Variant scheme that enables alternate pin compatible parts to be specified for particular components in each variant.

Work is also now nearing completion on our large, manual routing project for push-and-shove routing. We are currently expecting that to be the basis for the Version 8.9 point release later in the year.

Main Features



Library Import

Universal Import of Schematic and PCB Library parts via the PADS ASCII V9 Format. Compatible with all major download sites.



Area Constraints

Draw out placement areas and then set specific design rules to apply in those regions.

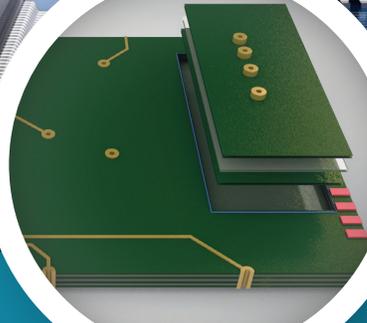


Design Variants

In addition to fitted and non-fitted status you can now replace pin compatible parts in different product variants.



PROTEUS DESIGN SUITE



Library Import

Creating library parts for schematic and layout can be tedious and error prone and diverts the engineer from the task of actually making the product. Fortunately, there are now a variety of third party websites with catalogues of literally millions of library parts available for import. We've created a simple import interface designed to work with multiple tools such as Samacsys, Ultra-Librarian, SnapEDA and PCB Library Expert.

This allows you to download and import any parts that don't exist in the installed libraries with a minimum of fuss. Both schematic symbols and PCB footprints can be imported at the same time along with the pin mapping between them.

The existing BSDL import and pin layout editor functionality has also been integrated into the new import workflow.

Design Rules

We have upgraded the design rule manager to allow the definition of board constraints that apply to a specific area of the PCB.

Reducing the scope of the design rules down to a specific area can be used for setting different clearances for things like:

- Escape area for a BGA.
- Pad and trace clearances around a fine pitch SMT device.
- High Voltage protection area.
- Edge connectors.

Design Variants

Following customer requests, we have added the ability to specify different properties (including the part value) for particular components in each variant of a design.

This allows variants to carry alternate pin compatible parts each with its own value, stock-code, cost and so on. Alternate property values can also be used in circuit simulation.

The only restriction is that all variants of a component must carry the same PCB footprint.



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