

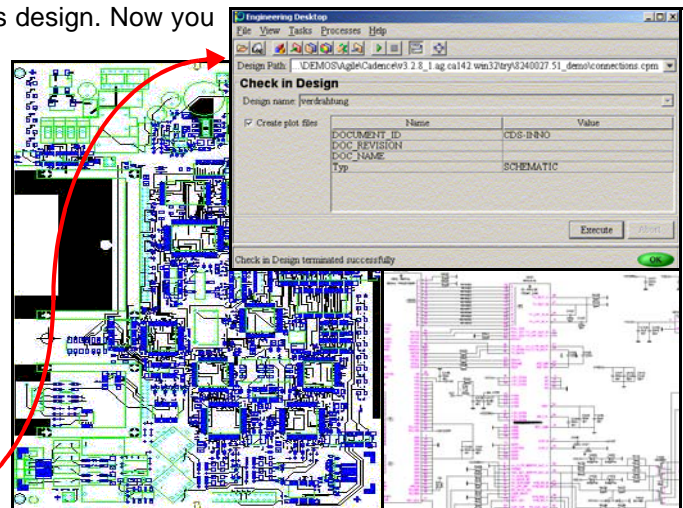
## Pads® with Product Lifecycle Management

You have invested all this knowledge into your Pads design. Now you want to...

- associate it with the versioned data of enclosure, software, documentation, harness, cabinet...
- forward data to other persons in manufacturing, service, qc, purchasing, test, materials control...
- share library and design data with other sites or ODMs.

You want this process to be automatic, painless, easy and quick and you want to focus on design, not on databases and processes in the company.

➔ You want Integrate

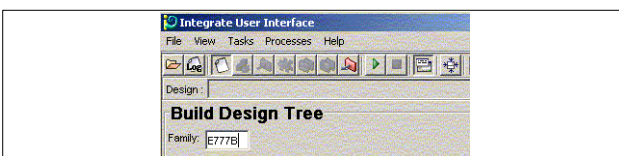


### Operation

You operate the Integrate function from the Pads design environment. The integration establishes the communication between your Pads design tools and the PLM system.

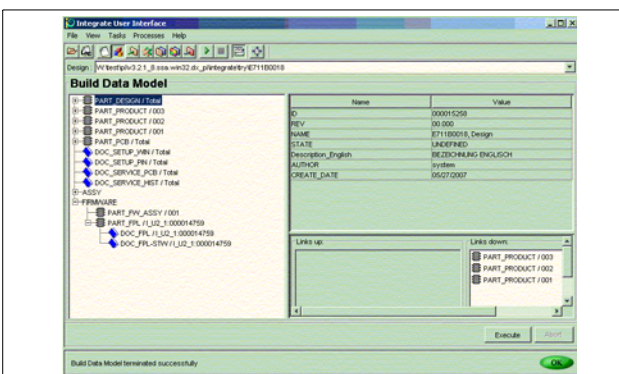
### Build Design Tree

The module builds the design project with enhanced drawing header entries in the project area of the file system. Documents such as for test and board fabrication are also included.



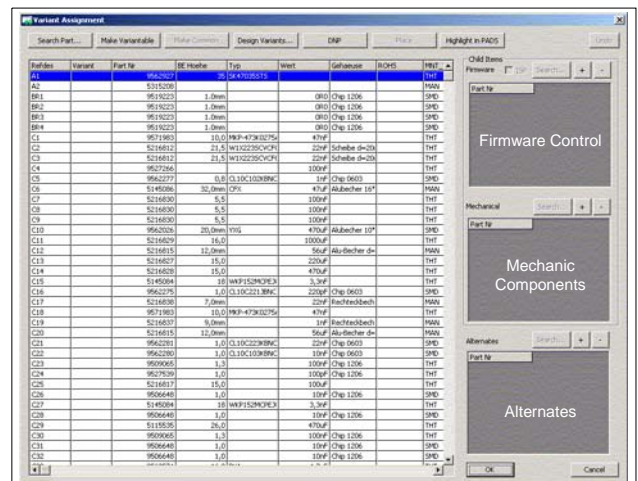
### Build Data Model

Build the data model of the electronic product at design start. Enhance the data model with variants later.



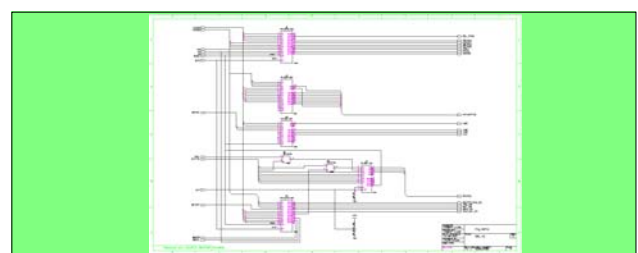
### Variants

Control firmware variants, assembly variants, and mechanical accessories like heat sinks from the Pads schematic editor in the Variants dialog.



### Check-in

Update drawing frame properties in schematics and text strings in PCB drawings with metadata. Check the plots, optional netlist and auxiliary files along with a design container into PLM for ECO.

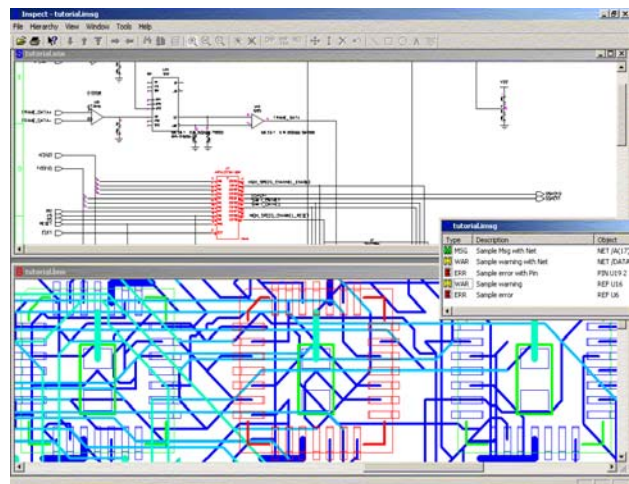




# Integrate

## Spotlights on some Features

- Interactively selectable variant Bill-of-Materials, schematic plots and assembly plots.
- **BOM**: supporting accessory part association with in-circuit programs as pre-programmed devices, multi\_level definition of sequence of parts, creation of manufacturing BOMs which include assembly line management data.
- Support of Workflow, History, designer-group based access control, data reservation, ECO process, library and design exchange with remote sites and external suppliers, and support of concurrent engineering.
- Interdepartmental cooperation synchronized in PLM with mechanical design data, programmable logic, electrical and harness design data, and software design.
- Optionally integrated operation with an advanced viewing and analysis tool for schematics and PCB data.



- Optional support of concurrent design in distributed engineering organisations.
- Monitor the design progress by grading the design process for cost, MTBF, or multi-suppliers.
- Build fabrication BOMs from PLM for your assembly line.
- Load code to program devices into manufacturing machines.
- Create optimized assembly control data for assembly machines.
- Support test fixture creation.