

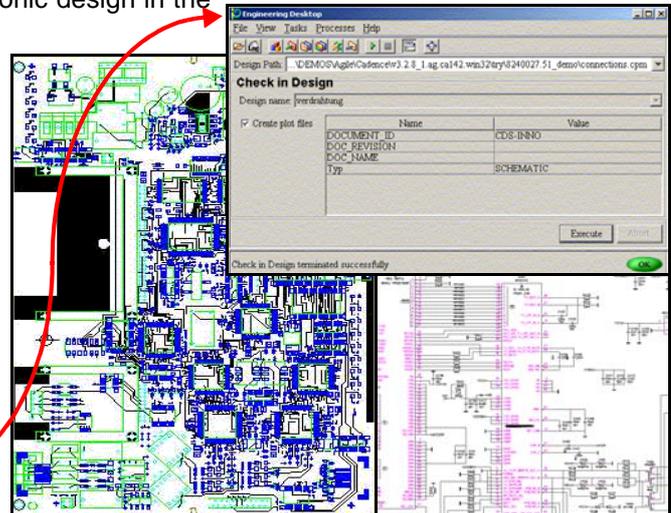
Mentor DX Designer® and Pads PCB® with Product Lifecycle Management

You have invested all this knowledge into your electronic design in the DXDesigner systems. 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...

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 an Integrate function from the Integrate Java® IUI. The integration establishes the communication between your DXDesigner design tools and the PLM system.

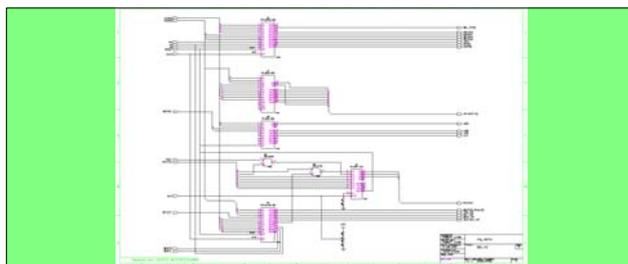
Synchronize Metadata

Build the data model of the electronic product automatically in PLM. In the same process, deposit metadata like part number and version from PLM once per project into the CR5000 design structure.

Metadata	Metadata in Table Field	Field Type
Document No.	T_DOC_DAT.DOCUMENT_ID	S80
Revision	T_DOC_DAT.DOC_VERSION	S10
Version	T_DOC_DAT.DOC_REVISION	S10
Customer	T_DOC_DAT.SEC_CUSTOMER	S20

Check-in

Update drawing frame properties in schematics and text strings in PCB drawings with metadata. Check an innovation container with your design into PLM for ECO. Check-in schematic plots in the PDF or TIFF formats.



Redesign

Resolve the design for ECO or re-use from an innovation container in PLM into the DXDesigner environment for immediate use, with optional reservation of the design in PLM.

Get

Reuse a design or part of it in a new design.

BOM

Extract schematic Bill-of-Materials data after Package into PLM for advance material disposition. The parts BOM in PLM includes reference designator attributes. Update the BOM in PLM after PCB Layout with position data like x, y, rot, side, and associated accessory parts like sockets, heatsinks and firmware

1209301	340	1	R4	4.445	18.491	180
1209315	350	1	R5	5.985	15.216	180
1209347	360	1	R6	13.335	2.857	180
10721715	370	1	R14	4.985	40.640	90

Automatic support of your company's BOM structure including variant Bill-of-Materials from the DXDesigner job.

Board Fabrication

Build and check in a versioned container of Gerber and Excellon data for the manufacture of the bare PCB. The data then might be accessed via a password-protected web client by your PCB manufacturer. Automatically create a drill drawing an IPC netlist, and mechanical CAD data. Optionally create panel data.

