

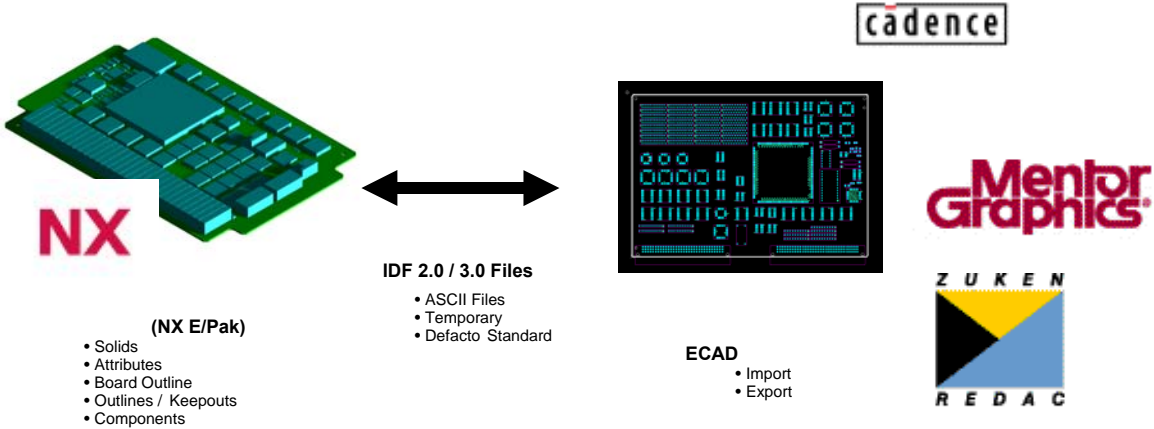


<h2>NX E/Pak</h2> <p><i>Making MCAD ↔ ECAD Easy</i></p>	<p>LTX Software Inc.          Suite 221- 5403          Crowchild Trail N.W.          Calgary, AB, Canada          T3B 4Z1          Tel (403) 247-8994          Fax (403) 247 9451          info@ltxsi.com          www.ltxsi.com</p>
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**NX E/Pak**

NX E/Pak is a two way ECAD interface that connects most ECAD printed circuit board systems to NX. It provides the mechanical designer with a physical representation of the printed circuit board and the associated electrical components, including constraint information through keepouts and outlines. The end goal is – save \$\$\$, by enabling concurrent design, catching errors early in the design process and decreasing the time to market significantly.

As a “two-way interface”, NX E/PAK assists in the design of both electronic board / component assemblies and mechanical packaging. Whether accepting new designs from or formatting designs for use within an ECAD system, NX E/PAK assures continuity between the ECAD layout package and UG assemblies.



**Benefits**

- Saves time and increases design productivity by enabling concurrent design of electro-mechanical assemblies.
- Flexible to match your unique design process without the cost of customization for your process, allowing packaging design to begin in NX, moving the outline and restrictions to the ECAD system for initial parameters, or vice versa.
- Increases design productivity by minimizing design interpretation errors through concurrent engineering.
- Reduces the time and cost to achieve a workable design by alerting the design team to mechanical and electrical inconsistencies and limitations.
- Eliminates costly redesign by catching errors early in the design process
- Provides, through a single license, the ability to link NX with several ECAD systems.

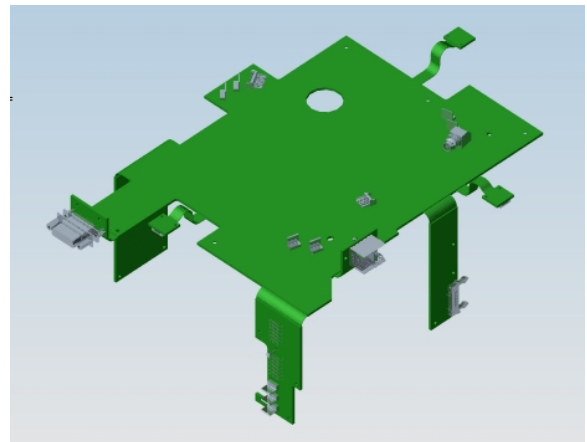
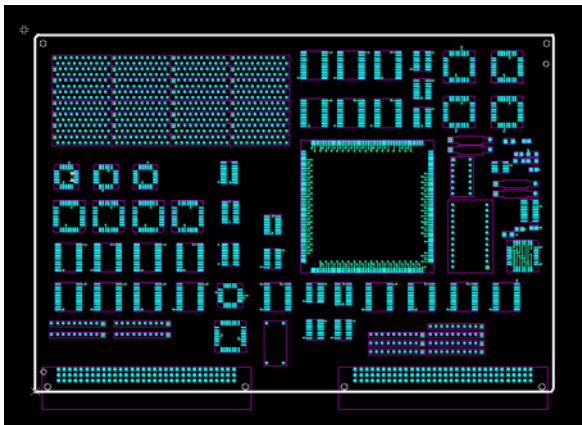
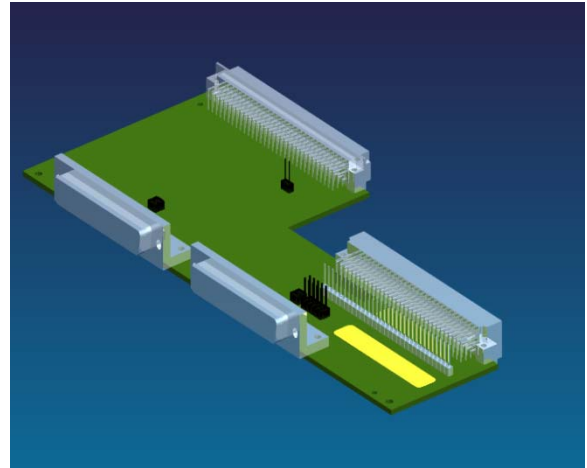
## Customers / Usage

Usage scenarios include electronic packaging, component assemblies and mechanical interfaces in:

- Automotive electronics
- Telecommunications
- Computer manufacturing
- Industrial instrumentation
- Chip/Board level fabrication
- Consumer appliances

## Features and Functions

- Integrated with NX.
- Interchanges data and assigns attributes that create a physical model of the printed circuit assembly utilizing standard NX entities.
- Support of Flex Circuits.
- Supports a local NX electrical component library, allowing a more detailed representation of key electrical components.
- Utilizes UG Solid Objects, Assemblies and Attributes.
- Compatible with Team Center.
- Two-way interface (ECAD ↔ MCAD).



- Constraint information through keepouts and outlines
- Coordinates ECAD and NX BOM data
- Intermediate Data Format 2.0 / 3.0
- Connects to multiple ECAD systems, including: Mentor Graphics, Zuken
- Persistent Data remains with the part file

<b>ECAD Compatibility (IDF 2.0 / 3.0)</b>	Mentor, Zuken, Plus many others!
<b>Software</b>	Gateway, Assemblies, Modeling <i>Note: An intermediate file-formatting module is required to interface with each ECAD module. An example is "PCB to Mechanical" from Mentor.</i>
<b>Hardware</b>	Windows x86 and x64 Platforms, Mac OSX
<b>Price</b>	Contact your Siemens Sales Representative