

Schematic Design

Comprehensive, collaborative circuit design, simulation and management in real time

Overview

Xpedition® xDX Designer, formerly known as DxDesigner, provides a complete schematic design solution for design creation, definition, and reuse. It provides everything needed for circuit design and simulation, component selection, library management and signal integrity planning in a concurrent team-based design environment.

An integrated desktop enables an integrated desktop that enables engineering teams to perform every key design creation task in a single, scalable, concurrent and real-time collaboration environment.

Its customizable project navigator dynamically reflects the project content through a highly concurrent editing session by filtering hierarchical blocks, components, nets and properties as they are added. It also supports bi-directional cross-probing with all editors. Design reuse and variant design are supported, which reduces product time-to-market, improves product quality, and lowers product costs.

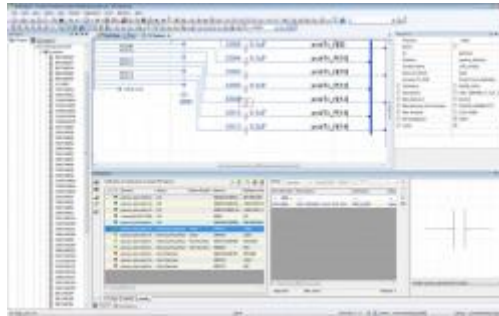
Technologies

Component Information Management Rapid component search-and-selection of parts over a global corporate intranet or the web.	RF Design Design RF, analog, and digital circuits on the same PCB.
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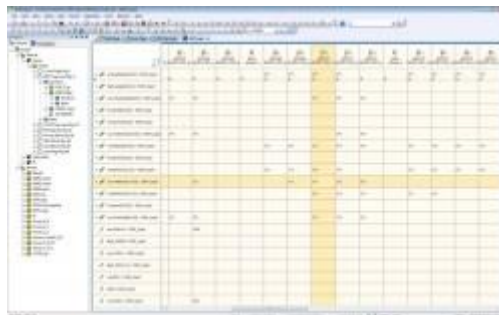
Concurrent, hierarchical design definition environment

Enable true team design, with concurrent work on multiple sheets, constraints, and simulation



Intelligent part selection via integration with component information management

Quickly search and select components from any standard parts database



Interconnect editor for table-based design of high-pin-out components such as FPGAs, connectors and backplanes

Rapidly define large device representations without the hassle of multi-sheet symbols

Technical Specifications

- Powerful search/edit capability through hierarchy
- Common constraint definition environment is shared between schematic capture and layout, allowing the evaluation of critical signals at any design stage
- Use the library browser to search for IP reuse blocks from other design projects
- Variant management for simplified design variant support
- Digital, analog, mixed signal, RF design and simulation support
- Support for most popular PCB layout packages