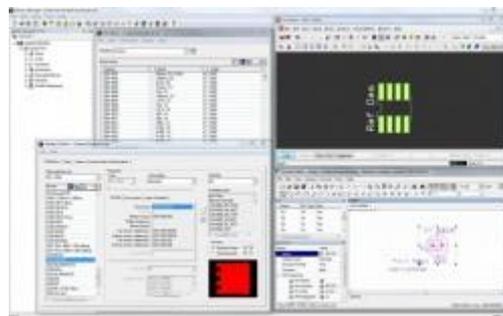


Library Creation

Manage complex PCB system parts within one central library

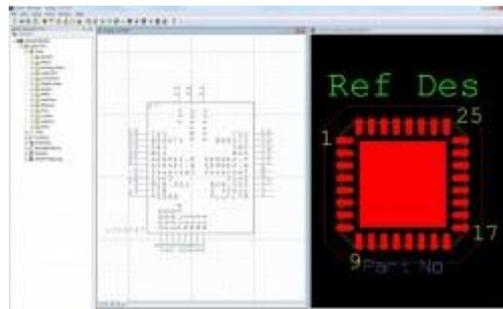
Overview

A central library is used to manage all aspects of the logical to physical part data required in complex PCB systems. The central library brings together the symbol (logical view), cell (physical geometry), padstack and logical to physical pin mapping (part data), providing a central cockpit for part management.



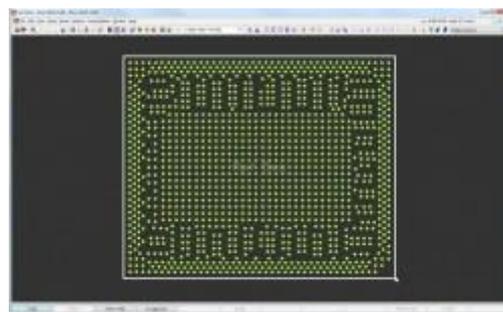
Provides a single control center for library part development and allows for the import and export of parts data

Create and access libraries from a central location



Supplies a viewable navigator tree to review part relationships

Provides a single entry point for the creation of all elements of the logical to physical mapping of PCB part data



Integrates symbol, cell, padstack and part editors

Provides built-in consistency checking and verification

Technical Specifications

Libraries may be configured into user-defined partitions and several partition search schemes may be defined to manage libraries available to different design projects.

- Provides a single cockpit for library part development and allows for the import and export of parts data
- Integrates symbol, cell, padstack and part editors
- Supplies a viewable navigator tree to view part relationships
- Provides built-in consistency checking and verification
- User-definable library partitions and search paths
- Enables common property definition and editing
- Integrates with component information management
- Provides a single entry point for the creation of all elements of the logical to physical mapping of PCB part data while managing the editors required to create logical/physical part representations
- Consistency checks ensure correct-by-construction library parts that are guaranteed to package in the Xpedition flow
- Libraries may be configured to a user's requirements, sub-dividing libraries into partitions that can be searched with user defined search schemes
- Logical to physical mapping, including fractured symbols are managed by the Parts Editor. A single logical symbol can map to multiple physical footprints
- Import and export Library Services data from any of the libraries within the central library and move or copy data between partitions or other central libraries
- Manages PCB templates and logical only or logical-physical re-use blocks ensuring re-use of customer IP
- Creates and manages the relationships between symbols, cells and padstacks and ensures data integrity and consistency between those library objects
- Ensures that data cannot be deleted from the library if an object within the library uses the data
- Updates to objects used by other objects are automatically propagated to those objects