EMA | Design Automation®

Ultra Librarian for OrCAD
Cloud-based library containing over 8 million Components

The PCB Library Problem

CAD libraries are an integral part of the PCB design process. Unfortunately, engineers are often forced to spend too much time creating their own symbols, footprints, and 3D models from scratch. The time it takes for engineers to add new components to a design slows down project timelines, causing delays and missed milestones. Existing "starter library" solutions with small, static libraries may help to initially make progress on a design; however, they are never large enough to be truly useful, nor are they updated with the latest parts to meet designers' needs.

Introducing Ultra Librarian™ for OrCAD®

Ultra Librarian for OrCAD solves the PCB library problem by providing a comprehensive, cloud-based library of over 8 million components including symbols, footprints, and 3D models eliminating the need for manual building and maintenance. With Ultra Librarian for OrCAD, engineers can search, preview, and place components quickly without leaving the native CAD design environment saving time and eliminating errors.

Ultra Librarian for OrCAD Capabilities:

Massive Cloud-based Library

Ultra Librarian provides access to millions of parts and is growing daily. The modern cloud-based architecture gives users immediate access to parts as they are added allowing them to leverage the resulting symbols and footprints in their designs. Parts are developed in cooperation with leading IC manufacturers and component distributors to ensure the latest and most relevant parts are made available.
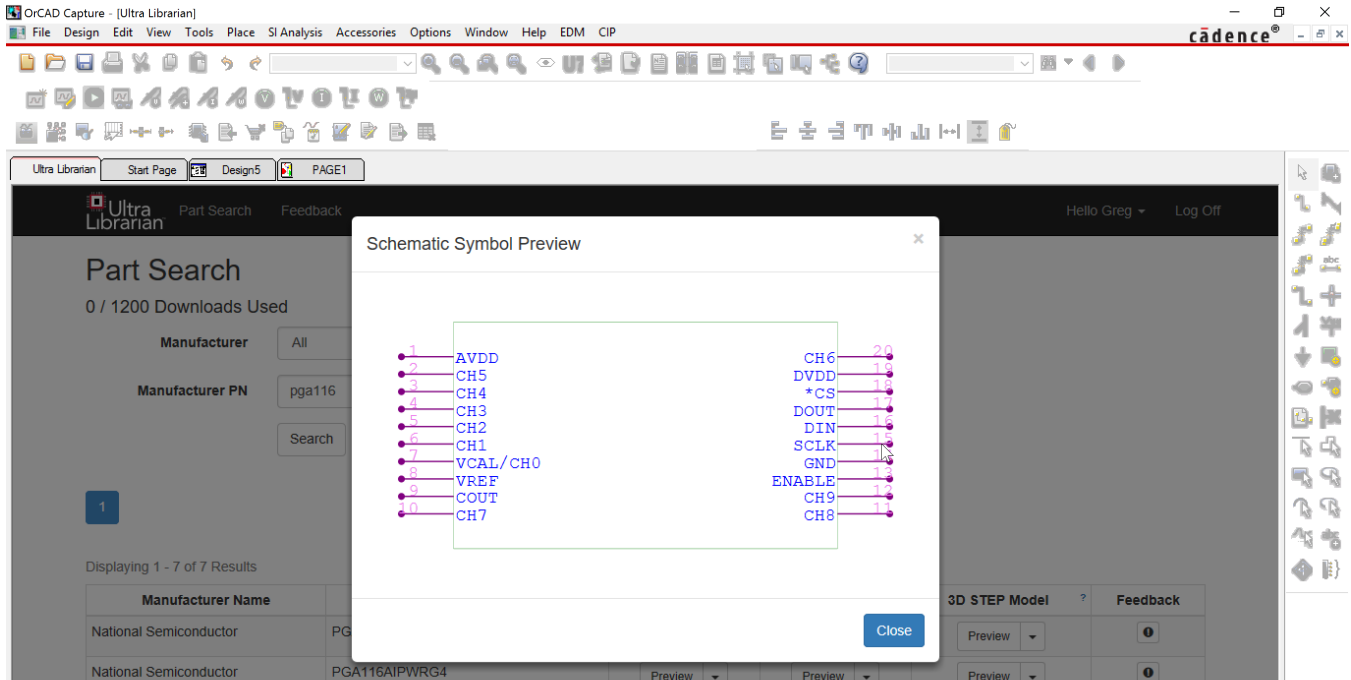
Highlights

- Access to a continuoulsy growing library of validated parts
- Reduce the burden on engineers to build and maintain OrCAD libraries so they can focus on design work
- Easily search for and place components directly into OrCAD Capture
- Unified Library of Symbols, Footprints, and 3D Models, automatically linked to the elements of the part as a single component

Tight Integration with OrCAD

The tight integration into OrCAD provides a cloud-based library of over 8 million prebuilt and verified EDA components assuring engineers that their symbols, footprints, and 3D models are accurate and will work accordingly with the OrCAD software. The library interface is built directly into OrCAD, allowing for easy searching, previewing, and drag-and-drop functionality for new parts. This eliminates the need to leave the design environment to get the parts required to complete designs. Getting and utilizing new library components becomes a natural part of the design process.

Standards based

CAD libraries found online are typically built using a variety of industry and internal standards leading to inconsistencies and manufacturing errors down the road. All Ultra Librarian libraries are built with IPC and ANSI standards in mind, ensuring consistency and preventing any miscommunication with manufacturing.

Unified Part Library

Ultra Librarian for OrCAD provides a user-friendly interface allowing you to preview, place, and download symbols, footprints, and 3D models. All three aspects of the part have been built together at one time and are automatically linked, unifying the elements of the part as a single component with multiple views for logical, physical, and 3D. The symbols have properties that associate the correct footprint with the symbol's part number allowing you to move seamlessly from schematic capture to PCB layout without any inconsistencies. Similarly in PCB layout, the footprint has an associated 3D model that correctly aligns with the pads on the footprint and defines the size and shape of the part. Having access to a comprehensive, verified library all in one location allows you to find exactly what you need quickly without having to search outside of OrCAD.

About Ultra Librarian

Ultra Librarian is a PCB design solution offering a database of over 8 million CAD neutral library parts allowing customers to search for and easily download symbols, footprints, and 3D models. Users will increase overall productivity by reducing the burden on engineers to build and maintain their own libraries, giving them more time for design.

Contact

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