



#### What's New in OrCAD X

# **Agenda**





OrCAD X Cloud



OrCAD X Capture & Demo



OrCAD X Presto & Demo



#### OrCAD X Cloud

- Always have up to date libraries, projects, and components via Cadence's hosted cloud service
  - File and Library hosting and sharing within OrCAD Capture X
  - Additional services
    - Symphony
    - LiveBOM
  - Optional to use



### **OrCAD X Capture**

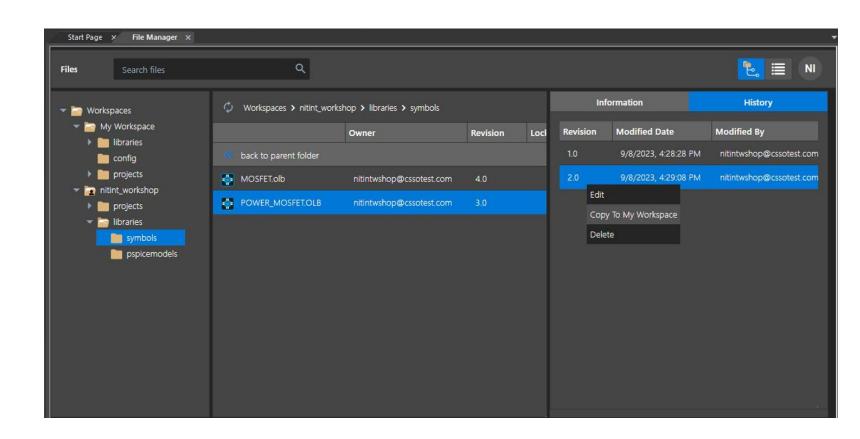


- Shared Workspace
  - Cloud-based collaborative environment containing work-in-progress components, projects, libraries, and design files
- Complete Part Authoring
  - Creates new components from scratch or add from content providers
- Live BOM
  - Dynamic bill of materials with real-time data, cost, availability, and life cycle statuses in a design.



# OrCAD X Cloud Workspace

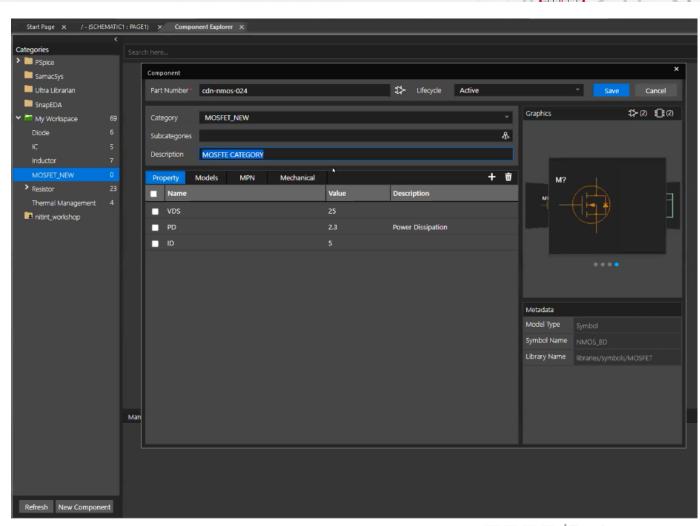
- Cloud-based collaborative environment
- Can store libraries, components, and design files
- Can invite other users to cloud workspaces and assign roles





# **Complete Part Authoring**

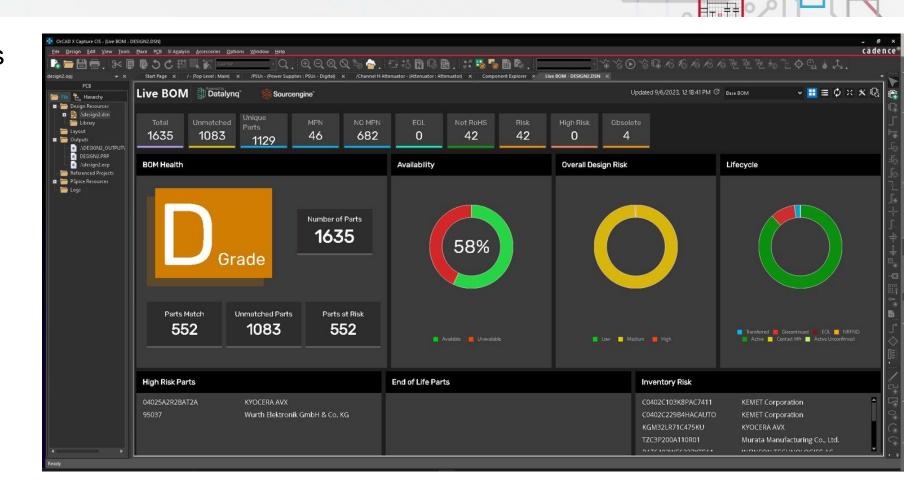
- Create a local library by searching and placing components from content providers in Capture designs
- Link a manufacturer part number (MPN) with an existing library component
- Publish components to shared workspaces





#### **LiveBOM**

- Dynamic Bill of Materials using supply chain data
- Overall BOM health with real-time data
- Search and place alternative parts







# Capture Demo

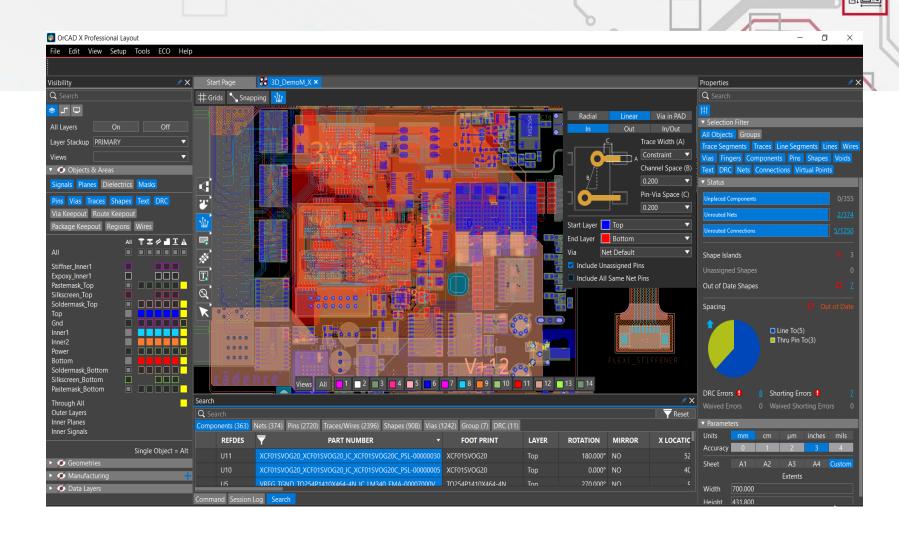
#### OrCAD X PCB

- OrCAD X Presto
  - New Layout environment
- Design Review & Markup
  - Review and track design changes that are stored in the design database
- LiveDoc
  - Automates documentation creation process
- 3D Viewer
  - Integrated 3D viewer
- Symphony
  - Cloud-based collaboration with up to 2 users
- MCAD X
  - ECAD / MCAD Collaboration
- X AI
  - Cloud-based, machine learning algorithms to help create designs



#### **Presto**

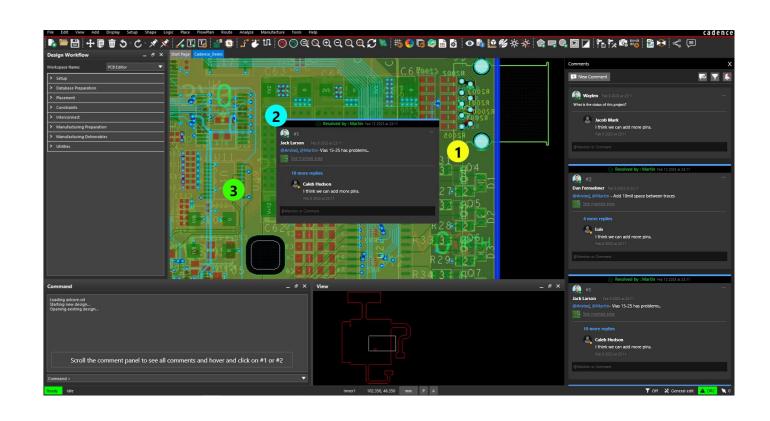
- New PCB editing experience
- Intuitive and efficient
- Fully compatible with PCB Editor





## **Review & Markup**

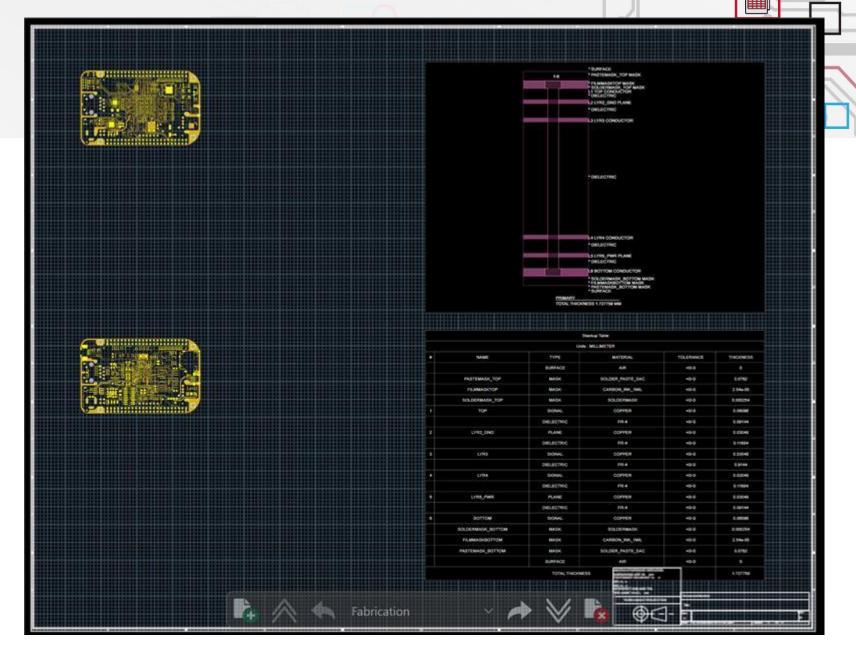
- Review and track designs
- Data is stored in the board file for full traceability





#### LiveDoc

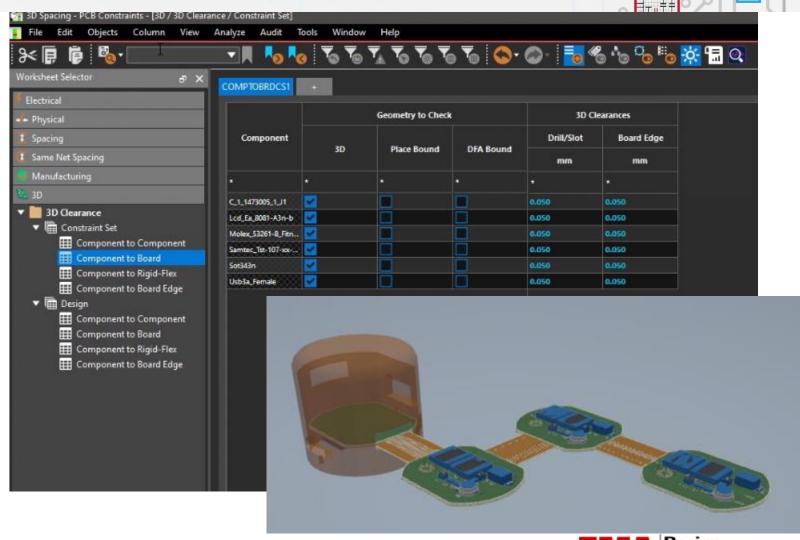
- Automated PCB documentation tool
- Real-time updates from board data





#### **3D Viewer**

- Integrated 3D Viewer
- 3D constraints and DRCs
- Import and place Mechanical parts



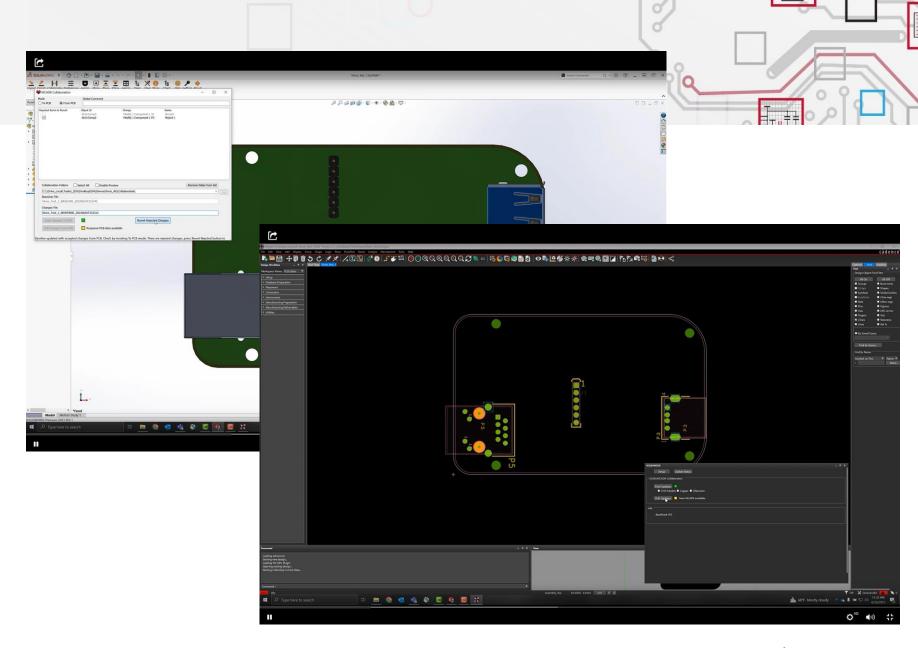
## **Symphony**

- Same as Allegro symphony but for 2 people only
- Leverages cadence cloud to manage co-design sessions



### **MCADX**

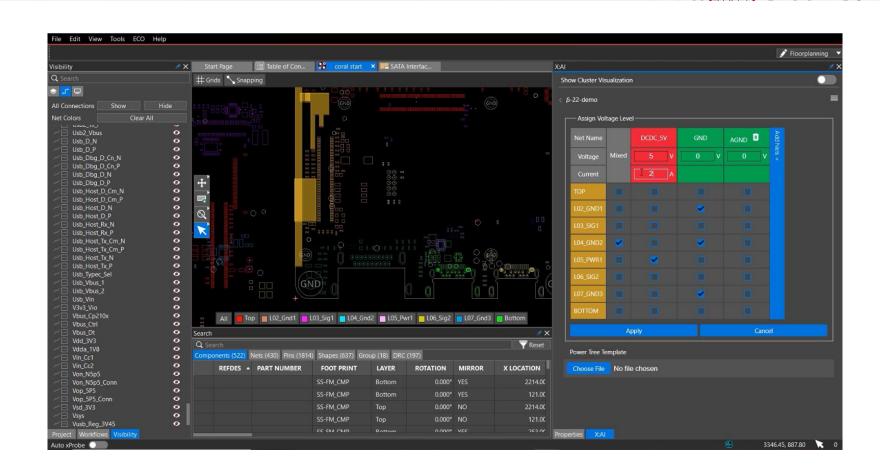
MCADX
enables on demand
collaboration
between
OrCAD and
SOLIDWORKS





#### X AI

- Al circuit design for placement and routing
- Automated placement
- Auto-synthesis of power and ground planes
- Critical net autorouting







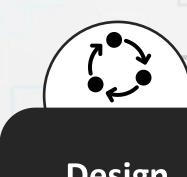
# **Presto Demo**



# OrCAD X



**Design Fast** 



Design Connected







# Questions?

Email: info@ema-eda.com

cadence®

