

## Contact Information:

Janet Roberts  
EMA Design Automation  
949-443-1695  
[Janet@RobertsMarketing.com](mailto:Janet@RobertsMarketing.com)

**EMA Automates Symbol Generation  
With New App for OrCAD Capture**

*Any design engineer, hardware engineer, or librarian can get immediate time savings using the SymbolGen app to automate PDF datasheet extraction*

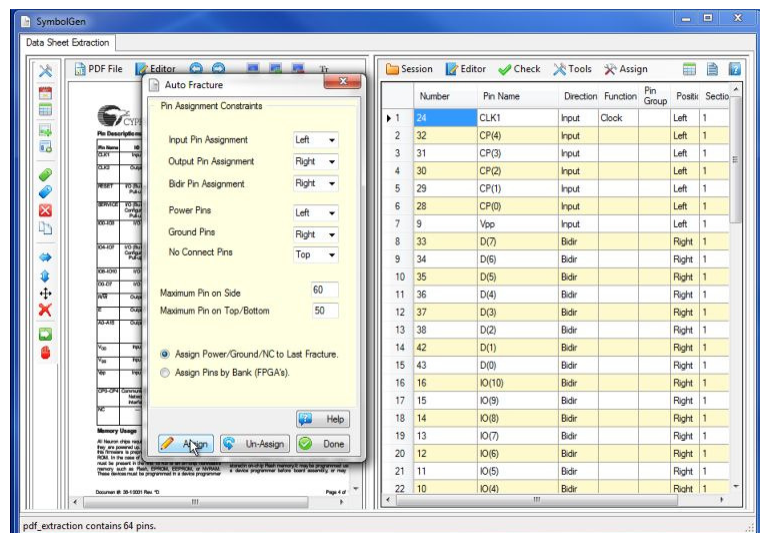
Rochester, NY (November 29, 2011) – EMA Design Automation™ ([www.ema-eda.com](http://www.ema-eda.com)), a full-service provider of mechanical and electrical CAD tools, today announced the

release of SymbolGen – an app that automates the extraction of complex PDF tables, including BGA and SOIC maps, cutting time down to a fraction and eliminating errors normally seen in a manual entry approach.

“Symbol creation is a constant challenge for circuit designers,” said Manny Marcano, president and CEO of EMA. “Today’s

complex schematic symbols have upwards of 2,000 pins or more and can take a significant amount of time to create. If you consider a design requiring a number of new symbols, this app can turn a week’s worth of effort into a day.”

SymbolGen automates the extraction and correlation of complex PDF tables and diagrams, which are often split over multiple PDF pages. Reusable PDF templates can



be created giving intelligent meanings to the extracted content, including pin name, pin number, pin direction, and bank name.

Automation utilities exist to quickly format multi-processor and multi-function pin definitions. Duplicate pin numbers, invalid pin direction codes, and other common datasheet or data entry inconsistencies can be easily identified and corrected, up front in the design process. SymbolGen saves more time with large, complex symbols, but even moderate sized parts can be done more easily, quickly, and with fewer errors.

SymbolGen is just one of the apps available inside the Cadence® Design Systems OrCAD® Capture Marketplace. This marketplace includes a store where OrCAD users worldwide can download free and paid apps to add functionality and customize their OrCAD products.

SymbolGen is available from the OrCAD Capture Marketplace for \$999 (single user license). For more information about SymbolGen, the other available apps, and how to get them into your OrCAD design environment, visit us at [www.ema-eda.com/orcadapps](http://www.ema-eda.com/orcadapps) or call 800-813-7494.

### **About EMA Design Automation, Inc.**

EMA Design Automation is a leader in product development solutions offering a complete range of electrical and mechanical CAD tools, product lifecycle management systems, services, training, and technical support. EMA is a Cadence® Channel Partner serving all of North America, an Autodesk Authorized Value Added Reseller, and is an Authorized North American Distributor of Aldec® Active-HDL™. EMA manufactures the Component Information Portal™ (CIP), TimingDesigner®, and CircuitSpace, and all are distributed through a worldwide network of value added resellers. EMA is a privately held corporation headquartered in Rochester, New York. Visit EMA at [www.ema-eda.com](http://www.ema-eda.com) for more information.

# # #

EMA Design Automation and Component Information Portal are trademarks, and TimingDesigner and CircuitSpace are registered trademarks of EMA Design Automation, Inc. Cadence and OrCAD are registered trademarks of Cadence Design Systems, Inc. Aldec and Active-HDL are registered trademarks of Aldec, Inc. All other trademarks in this release are the property of their respective owners.