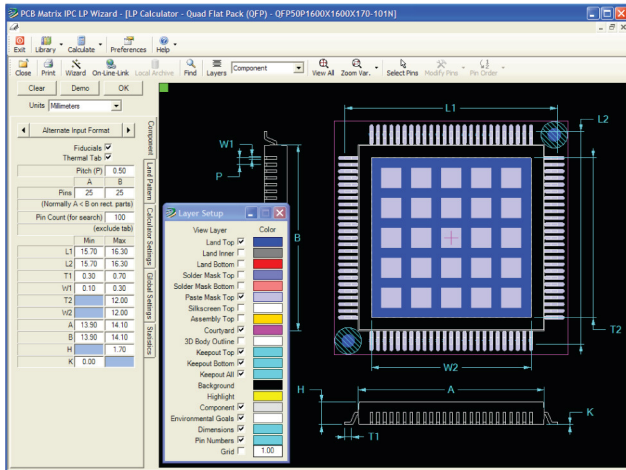


# Land Pattern Software



## To compete today, you must...

- ✓ Work smarter, not just harder
- ✓ Create, manage, and use accurate library documentation
- ✓ Eliminate guessing which library part is correct
- ✓ Don't waste time matching components with library names
- ✓ Improve the overall quality of your workmanship
- ✓ Reduce manufacturing error rate and increase yield

## We have the perfect solution for you!

### LP Viewer

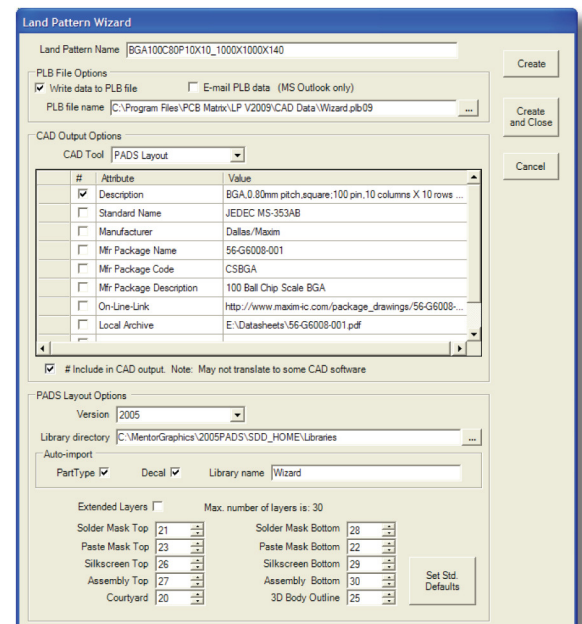
Search and view all library data created by the LP Wizard. Anyone can view your physical component superimposed with an IPC approved land pattern and all the related dimensions and solder joint goals. Freely downloadable.

### LP Calculator

Quickly browse thousands of electronic components to find a match for your component data sheet. The LP Calculator will display the component, dimensions, land pattern, land pattern name, and links to the component manufacturer's website for the latest datasheet. Plus, it calculates land pattern geometries directly from component data. FREE .

### LP Wizard

Most comprehensive IPC-7351B LP software option, it has all the LP Calculator features, plus allows you to save, store, and reference component data to eliminate redundant work. Saved data can be shared with others using the free LP Calculator. Parts are calculated and built for you automatically. The export option creates parts for Altium Designer, Allegro, Board Station, CADSTAR, CR-5000, Eagle, Expedition, McCAD, OrCAD PCB Editor, OrCAD Layout, P-CAD, PADS Layout, Pantheon, Pulsonix, Ultiboard, and more to come! Each LP Wizard license gets you access to corresponding standard IPC libraries at no extra charge!



The LP Wizard has a powerful add-on feature called "**Multi-part Wizard**". The Multi-part Wizard can mass build thousands of parts with a single mouse click. You setup your CAD library preferences and import a Part Library (PLB) file into the Multi-part Wizard and it will mass create a fully customized CAD library of thousands of parts in your native CAD tool format with your rules in minutes. This is a must have feature for the serious PCB Designer.

Single User and Network licenses are available.

Contact [sales@ecadware.com](mailto:sales@ecadware.com) for a FREE 30 Day license!



[www.ECADware.com](http://www.ECADware.com)

# Land Pattern Software



## Land Pattern Creation: Manual VS LP Wizard

### Footprint Creation Tasks

#### MANUAL

- Search web for datasheet
- Calculate pad sizes
- Place pads per datasheet specification
- Draw/Create courtyard
- Add component height
- Draw/Create silkscreen
- Draw/Create assembly outline
- Draw/Create pin 1 indicator
- Add component Fiducials if required
- Add required attributes
- Save land pattern to appropriate library

#### LP WIZARD

- Search IPC-7351B Wizard for land pattern
- If land pattern exists, export to CAD format
- If land pattern doesn't exist, enter mechanical dimension component into the calculator
- LP Wizard calculates land pattern and builds land pattern, silkscreen, assembly and Courtyard
- Export land pattern to preferred CAD format

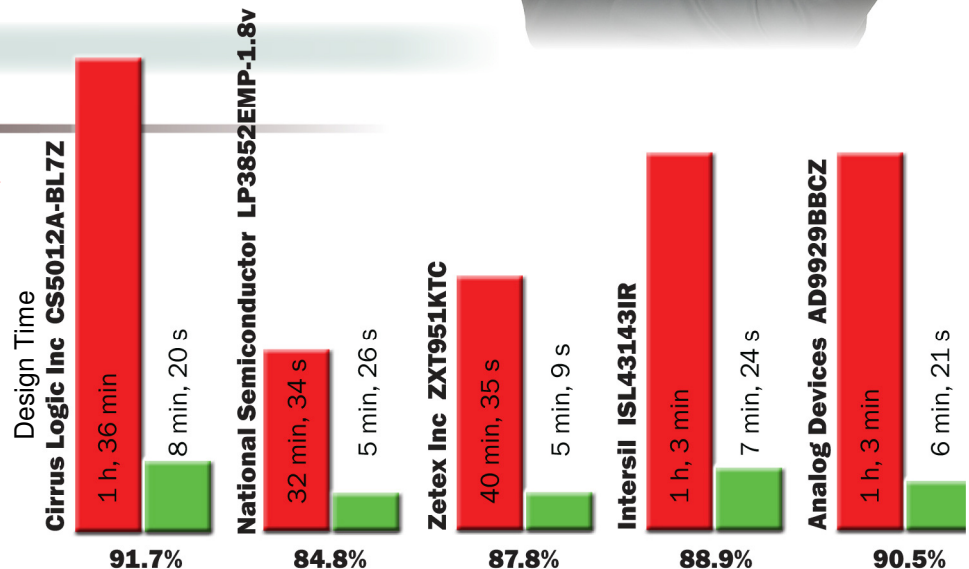
*Dramatically increase your CAD Library productivity with our amazing software - Outputs to ALL major CAD formats*



## REDUCED CAD LIBRARY TIME UP TO 91%

Call for a free quote or trial of our award winning software!

**888-492-5553**



### Time Comparison

MANUFACTURER PART#	LAND PATTERN NAME	Manual Design Time	LP Wizard Design Time	Time Saved	Percentage Time Saved
Analog Devices AD9929BBCZ	BGA100C80P10X10_1000X1000X140	1 h, 3 min	6 min, 21 s	56 min, 39 s	90.5%
Panasonic ERJ-6ENF1001V	RESC2012X70N	23 min, 19 s	6 min, 54 s	16 min, 25 s	69.6%
Cirrus Logic Inc CS5012A-BL7Z	PLCC127P1752X1752X457-44N	1 h, 36 min	8 min, 20 s	1 h, 27 min	91.7%
Intersil ISL43143IR	QFN65P400X400X100-17N	1 h, 3 min	7 min, 24 s	55 min, 36 s	88.9%
Microchip Technology MCP6294-E/SL	SOIC127P600X175-14N	39 min, 48 s	8 min, 47 s	31 min, 1 s	77.5%
National Semiconductor LP3852EMP-1.8	T0230P1003X238-3N	32 min, 34 s	5 min, 26 s	27 min, 8 s	84.8%
Zetex Inc ZXT951KTC	XTAL1320X480X430N	40 min, 35 s	5 min, 9 s	35 min, 26 s	87.8%
		<b>51 min, 12 s</b>	<b>6 min, 54 s</b>	<b>44 min, 11 s</b>	<b>84.4%</b>



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