

# PCB Library EXPERT SAVES UP TO 90% TIME ON NEW PARTS & 99.9% ON REBUILDING ENTIRE LIBRARIES!

PCB Footprint Expert

File Edit View Tools

Units: Millimeters Environment: Nominal (N) SMT Library Convert Setup Help

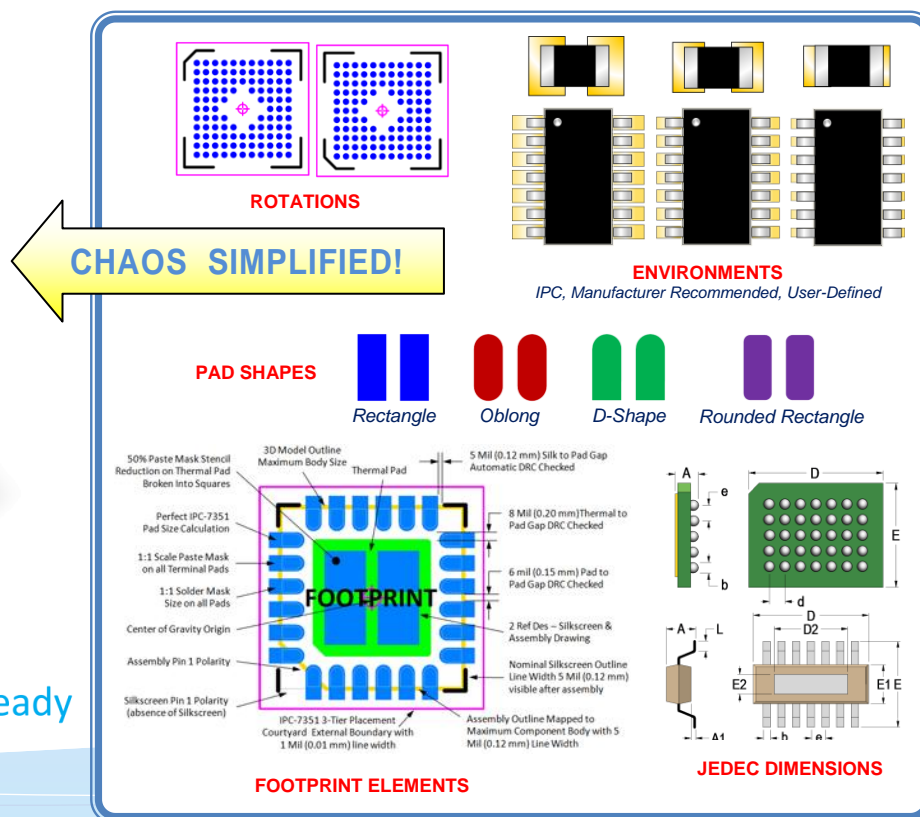
Categories	Footprint Name	Physical Description	Case Code	Manufacturer	Part Number	Logical Description	Link
Aluminum Electrolytic Capacitor	QFP80P900X900X120-32	Quad Flat Pack (QFP), 0.80 mm pitch square, 8 pin X 8 pin, 9.00 mm L...	PJT (S-PQFP-N32)	TI	DDC112Y/250	Dual Current Input 20-Bit Analog-to-Digital C...	<a href="http://www.ti.com">http://www.ti.com</a>
Ball Grid Array (BGA), 0.40 mm pitch rect.	QFP80P900X900X160-33	Quad Flat Pack (QFP with Tab), 0.80 mm pitch square, 8 pin X 8 pin, 9...	VFP (S-PQFP-G32)	TI	DRV591VFP	High-Efficiency PWM Power Driver	<a href="http://www.ti.com">http://www.ti.com</a>
Ball Grid Array (BGA), 0.50 mm pitch rect.	RESC0603X26	Resistor, Chip, 0.60 mm L X 0.30 mm W X 0.26 mm H body	Inch 0201, Metric 0603	Yageo	RC0201FR-071KL	General Purpose Chip Resistor RC0201 1% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Ball Grid Array (BGA), 0.65 mm pitch rect.	RESC1005X40	Resistor, Chip, 1.00 mm L X 0.50 mm W X 0.40 mm H body	Inch 0402, Metric 1005	Yageo	RC0402FR-071KL	General Purpose Chip Resistor RC0402 1% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Ball Grid Array (BGA), 0.75 mm pitch rect.	RESC1608X55	Resistor, Chip, 1.60 mm L X 0.80 mm W X 0.55 mm H body	Inch 0603, Metric 1608	Yageo	RC0603FR-071KL	General Purpose Chip Resistor RC0603 1% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Ball Grid Array (BGA), 0.80 mm pitch rect.	RESC2012X60	Resistor, Chip, 2.00 mm L X 1.25 mm W X 0.60 mm H body	Inch 0805, Metric 2012	Yageo	RC0805FR-071KL	General Purpose Chip Resistor RC0805 1% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Ball Grid Array (BGA), 0.80 mm pitch square	RESC3116X65	Resistor, Chip, 3.10 mm L X 1.60 mm W X 0.65 mm H body	Inch 1206, Metric 3216	Yageo	RC1206FR-071KL	General Purpose Chip Resistor RC1206 1% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Ball Grid Array (BGA), 1.00 mm pitch rect.	RESC3146X65	Resistor, Chip, 3.10 mm L X 4.60 mm W X 0.65 mm H body	Inch 1218, Metric 3246	Yageo	RC1218FR-071KL	General Purpose Chip Resistor RC1218 5% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Capacitor, Non-Polarized, Chip	RESC5025X65	Resistor, Chip, 5.00 mm L X 2.50 mm W X 0.65 mm H body	Inch 2010, Metric 5025	Yageo	RC2010FR-071KL	General Purpose Chip Resistor RC2010 5% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Capacitor, Polarized, Molded Body	RESC6331X65	Resistor, Chip, 6.35 mm L X 3.10 mm W X 0.65 mm H body	Inch 2512, Metric 6332	Yageo	RC2512FR-071KL	General Purpose Chip Resistor RC2512 5% 1k	<a href="http://www.yageo.com">http://www.yageo.com</a>
Chip Array, 2 Side Concave, 0.80 mm pitch	RESCAV63P320X160X65-10	Chip Array, 4 Side Concave, 0.635 mm pitch rect., 1 pin X 4 pin, 3.20 mm...	EXBD, 1206	Panasonic	EXBD10C103J	EXBD Series Chip Resistor Networks, 10K	<a href="http://industrial.panasonic.com">http://industrial.panasonic.com</a>
Chip Array, 2 Side Concave, 0.50 mm pitch	RESCAV80P160X160X75-4	Chip Array, 2 Side Concave, 0.80 mm pitch, 4 pin, 1.60 mm L X 1.60 mm...	CAT16-J2	Bourns	CAT16-103J4LF	CAT 16 Series - Chip Resistor Array, 10K	<a href="http://www.bourns.com">http://www.bourns.com</a>
Chip Array, 4 Side Concave, 0.80 mm pitch	RESCAV80P325X165X70-8	Chip Array, 2 Side Concave, 0.80 mm pitch, 8 pin, 3.25 mm L X 1.65 mm...	Inch 1206, Metric 3216	Panasonic	EXB-V8VR000V	Resistor Array 0.0 OHM 4 Resistors 1206	<a href="http://www.panasonic.com">http://www.panasonic.com</a>
Crystal							
Diode, Dual Flat No-Lead (DFN 2 Pin)							
Diode, Metal Electrode Face (MELF)							

File Name: C:\Program Files (x86)\PCB Libraries\FPX 2012\Libraries\SAMPLE.fpx Library Size: 201

Default Source: C:\Program Files (x86)\PCB Libraries\FPX 2012\DefaultPreferences.dat User Source: C:\Program Files (x86)\PCB Libraries\FPX 2012\Tom.dat



Windows 8-ready



## 2013 NEW FEATURES

- 3D STEP output
- Create footprints for non-standard components with asymmetrical, different shaped and arbitrarily-positioned leads



## Upgrade Entire Library

- ✓ Migrate to an IPC-compliant library
- ✓ 5,000 unique manufacturer package codes
- ✓ Transition from Inch to Metric
- ✓ Easily apply consistency to libraries
  - People with various skills created library
  - Different rules used over time
  - Library developed over many years
- ✓ CAD Library quality must be improved



## Output to Multiple Formats

Build consistent quality, eliminate redundant work, and avoid costs of migrating libraries – build it all in ONE tool regardless the format!



**Contact us for FREE demos and training!**

PCB Libraries, Inc. - 1153 S. Lee Street, #220 - Des Plaines, IL 60016

Tel: 847.557.2300 - Fax: 847.557.2319 - [www.PCBLibraries.com](http://www.PCBLibraries.com)



## MASS-MODIFY

**Modify any of hundreds of preferences and rebuild your entire library in seconds.**

- ✓ Units (Mils, Micrometers, Inches and Millimeters)
- ✓ Pad Shape (Rectangle or Rounded, Oblong, D-Shape)
- ✓ Rotation (Pin 1 Up, Left, Right or Down)
- ✓ Origin (Centric or Pin 1)
- ✓ Environment Level (Least, Nominal, Most, User)
- ✓ Silkscreen Line Width and Pad to Silkscreen Gap
- ✓ Minimum Pad to Pad Gap or Pad to Thermal Pad Gap
- ✓ Paste Mask Reduction for Thermal Pads
- ✓ Solder Mask Swell or Solder Mask Defined Pads
- ✓ Map Silkscreen and Assembly Outlines to Nominal or Maximum Component Body



## MANAGE

**Central repository of PCB library data.**

Easily manage all library data, created by different people with different skills and tendencies, in a central location on your network. All have easy access to browse, search, and quality control the data files with the FREE Footprint Expert.



## MAINTAIN

**Accurate library data at your fingertips.**

Add new component package and logic data to your database in a snap! Sort data by any attribute field - predefined or custom-made! Or just leave the data organized in one of dozens of component families.



## MANUFACTURE

**Minimize cost of manufacture.**

By creating high quality designs the first time, you reduce the work and costs associated with design re-spins.



## MASTER

**Quickly become an expert at PCB libraries.**

Regardless your skill level, with PCB Libraries backing you up, you create high-quality PCB libraries that look like were created by professionals with decades of experience. Well, in a sense - *they were!*



## MICRO/MACRO FOCUS

**Establish specific library parameters across division.**

Regardless your management requirements, you can easily establish and adjust constraints on rules and preferences so everybody builds consistent quality parts that look like were created by a single professional designer.



## MIGRATE

**Migrate libraries to a different CAD format much faster.**

The PCB Footprint Expert interfaces with popular CAD tools. Need your libraries in a different CAD format? Open the "master" library in the Footprint Expert and export!



## MAXIMIZE

**Max-out both quality and efficiency.**

If you dare, the Footprint Expert promises to help you maximize both. That's right – you don't have to increase one at the cost of the other.



## MONETARY BENEFITS

**A solution that pays for itself, often after 2 or 3 projects!**

PCB Footprint Expert creates PCB library parts in a fraction of the time compared with manual editing. There are many elements that go into the creation of a high quality library part and the PCB Footprint Expert auto-calculates and generates everything down to the finest details.