

## Benefits

- Automatic download of component parametric information from component suppliers eliminates lengthy, error-prone manual data entry
- Centralised component selection and management – everyone sees and uses exactly the same data.
- Links to PCB, PLM & ERP tools means that that all stakeholders see the appropriate component data within their tool environments
- Extensive symbol and footprint libraries included with the ability to create your own.
- Large pin count fractured symbols can be generated in seconds
- Automatic BOM creation and checking against live supplier information to see if any component data has changed since the parts were added to your design.

# LivePartLibrary

Search | Download | Innovate

## Overview

The LivePartLibrary (LPL) application provides an optimised database for the storage of component information. From within LPL users may search component supplier's, such as Farnell & Mouser, and automatically download live component information directly into the LPL database.

LPL complements the supplier data with additional information such as schematic symbols, PCB footprints, 3D models and attribute mapping.

The LPL's client-server architecture feeds your ECAD PCB, PLM & ERP tools so component information is available company-wide to engineering, production and purchasing teams.

## Component Selection - LivePartLibrary

Through our close relationships with component suppliers, our users may search for parts live from within LPL. Having reviewed the data, including price, available stock and lead time, suitable parts may then be downloaded locally into the LPL database.

Users may add any additional information to the downloaded parametric data. Typically this would include Schematic symbols, PCB footprints, 3D model, simulation models and more. You may use your own symbols & footprints, however LPL provides a library of over 10,000 IPC compliant Schematic symbols & footprints and this number is growing by the day.

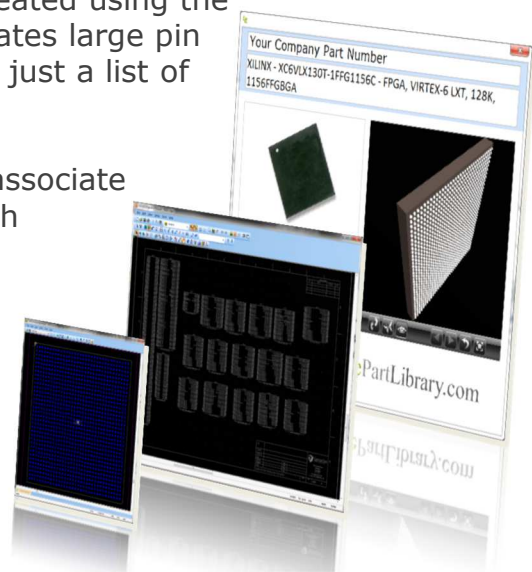
## Schematic Symbol Creation - SchematicPartWizard

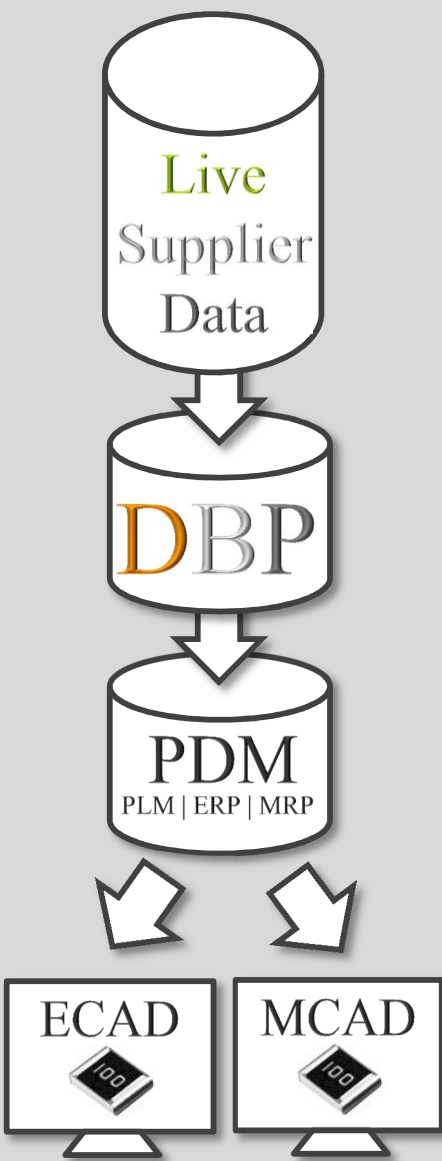
In addition symbols may be created using the SchematicPartWizard. This creates large pin count, fractured Symbols from just a list of pins.

LPL offers users the ability to associate any other information they wish with a particular component offering complete flexibility.

**Component Search Engine**

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





## Summary

With live links to multiple component suppliers, LPL eliminates tedious and error prone manual entry of component data. Offering centralised control and management of component information and BOM validation across multiple suppliers.

Thanks to LPL our customers are experiencing fewer quality issues due to incorrect or incomplete component information, reduced costs and shorter time to market.

## Using LivePartLibrary Data – DataBasePopulator

Using LivePartLibrary as a database populator replaces the manual task of entering component information in by hand, or by copying and pasting from multiple website , where information is held in different formats.

LPL is a full client server application meaning that the component data is stored in a centralised database and can then be accessed by as many clients as required. This has major advantages as the information need only be stored once, can be managed and controlled centrally, and all clients across an organisation can be certain they are accessing the correct and most up to date version of each component.

LPL has live links to many of the other applications that require access to component information. These would typically include PCB tools (engineering), Product Lifecycle Management Tools (production & quality) and ERP Systems (purchasing). Each user of these environments is typically interested in different aspects of the component data and users can control what data is shared with each of these environments. For example, whereas a PCB engineer would be interested in parametric, symbol and footprint data a purchaser may only be interested in price, lead time and the quantity available from a particular component supplier.

## BOM creation and validation – SupplierBOMVerify

Upon completion of a PCB design LPL can automatically produce a Bill of Materials (BOM) in a suitable format ready for uploading into the users target PLM & ERP systems. In addition, the LPL SupplierBOMVerify can check all components within the BOM against component suppliers live data. This checks that the required components are still available (not obsolete), there is sufficient stock for the required production build, and that the delivery and price have not changed.

In fact any BOM in a spread sheet format may be imported into the SupplierBOMVerify and checked for component availability as described above. This capability gives instant notification of obsolescence, stock and lead time issues.



LPL can also automatically create Request for Quotation (RFQ's) from the BOM in the preferred format of the leading Component Suppliers.

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