Component Search Engine

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Setup and Using the Component Search Engine

The **Component Search Engine** web site enables you to search Parts (along with Symbols and PCB Footprints) and download them to your Pulsonix application ready to use. Not only do they appear on the end of your cursor but are also automatically added to your library to use on another design.

Before you start

You will need to be running Pulsonix 9.1 Build 6871 onwards to benefit from the Component Search Engine integration. If you do not have this version yet, upgrade your Pulsonix program from the Pulsonix web site and **Updates** page - https://www.pulsonix.com/product-updates

Registering with Component Search Engine

To use the Component Search Engine, you will first need to register an account.

Go here - http://pulsonix.componentsearchengine.com/ and click **Register.**
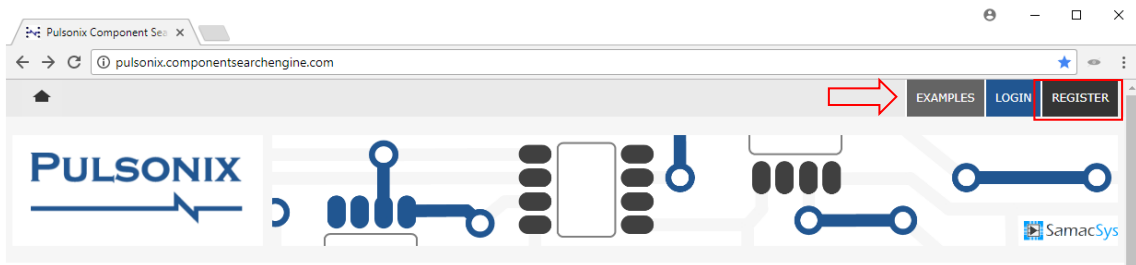
Downloading Library Loader

Once you have registered, you are automatically logged in. You now need to download the **Library Loader** application. This is required as the interface between the Component Search Engine web site and the Pulsonix application.

Click on the **Downloads** button at the top of the Component Search Engine web page.
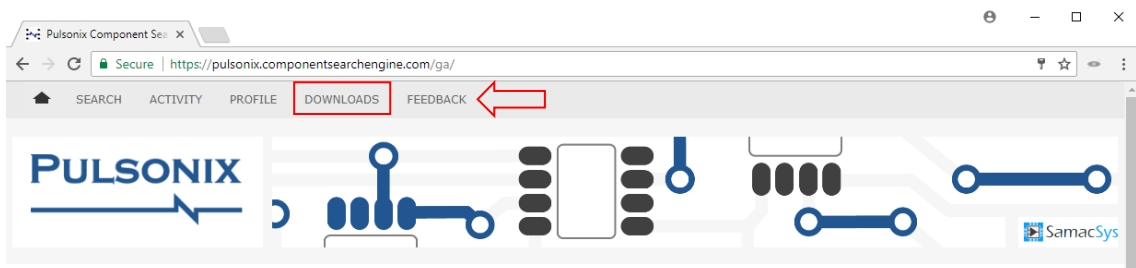
On the Downloads page, scroll down to the **Library Loader** section.

Pulsonix Downloads

ECAD Part Wizard

This Excel based tool provides the following funtions.

- Find and download models from our library
- Fracture the models to your requriements
- Preview the symbols and footprints prior to export
- Export to any of our supported CAD tools
- Request new models be created

Download EPW version 1.93

Library Loader

This helper application streamlines the process of loading our models into your CAD system.

Simply click this icon ▶ from any website and once the Library loader is installed the model will appear on your cursor ready to place on your design. From a website to your design in seconds!

Download Library Loader version 2.12

Click the **Download Library Loader** button to start the download.
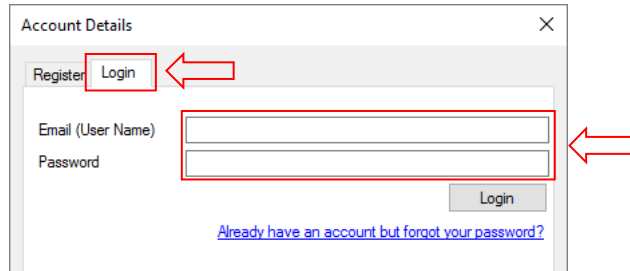
Once downloaded, run the **LibraryLoaderSetup.msi** program from your download folder.
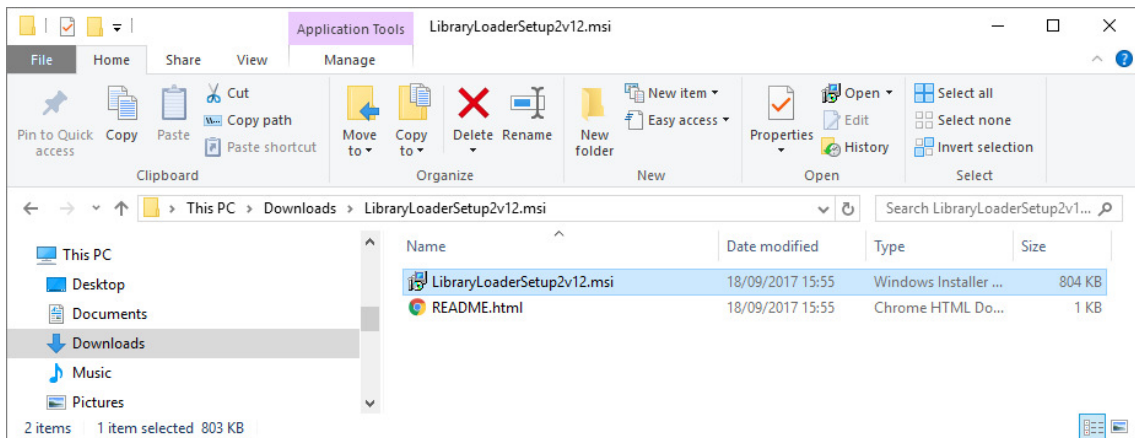
Once the **Library Loader** has been successfully installed, open it from your installed programs folder.

You will be asked to either Register or Login. As you have already registered you can select the **Login** Tab and **Login** using your **User Name** and **Password**.

Once logged in, you now need to click the **Settings** button on the **Library Loader** dialog, this will open the **Pulsonix Settings**.
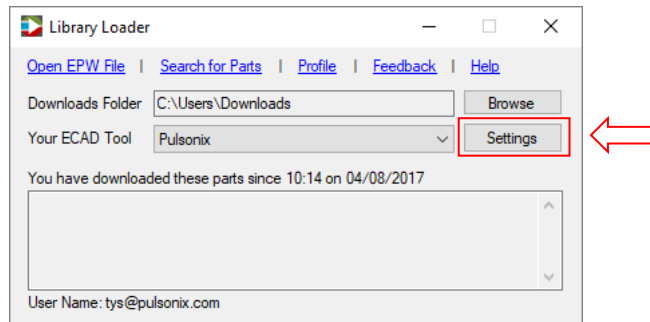
From within the **Pulsonix Settings** dialog, you need to inform the Library Loader which version of Pulsonix you are using. If using 9.1 onwards, you will now be able to set the destination for where new Step Models, Schematic Symbols, PCB Footprints and Components (Parts) will be saved to.
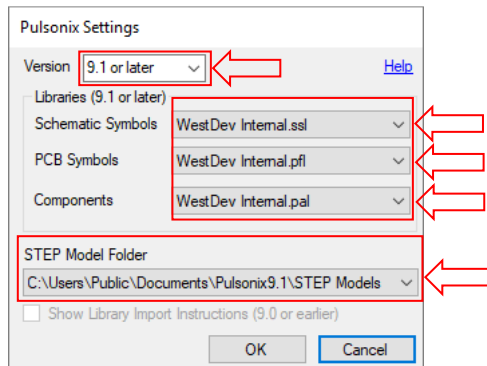
Note: you need to be using Pulsonix 9.1 (Build: 6869) onwards to have Parts automatically saved from the Component Search Engine into your Pulsonix Libraries.

Now you've set up the Library Loader you can now download Parts from the Pulsonix Component Search Engine website and they will load directly into your libraries and onto the end of your cursor ready for placement in a design.

Using the Pulsonix Component Search Engine

From the Pulsonix Component Search Engine website, enter the name of your Part or a description of it in the **Search** section. Once the search is complete you will see six columns presented including an ECAD Model, Datasheet and Pricing/Stock information for the Part from various suppliers.

Clicking the **Price/Stock** link will allow you to select and download the Part with pre-populated attributes from a specific supplier.

Clicking the **Download ECAD Model** button will download the model from the website into your libraries and onto the end of your cursor ready for placement in the design. Attributes are automatically added to the Part depending on the section you download it from, therefore if we click **Download ECAD model** from Farnell, we would then also see the Farnell Part Number on the part in Pulsonix.

COILCRAFT - XFL4020-152MEC - INDUCTOR, 1.5UH, 9.1A,20%,59MHZ, REEL

			From	To	Cost (GBP)
Stock		0	1000	4000	0.733
Farnell Part Number		2298252	5000	9000	0.696
Manuf Part Number		XFL4020-152MEC	10000	1000000000	0.661
Pack Size		1			
Minimum Order Quantity		1000			
Lead time		56			
RoHS Compliance		Yes			

Fixed Inductors XFL4020 AEC-Q200 1.5 uH 20 % 9.1 A

			From	To	Cost (GBP)
Stock		10715	1	99	1.68
Mouser Part Number		994-XFL4020-152MEC	100	499	1.34
Manuf Part Number		XFL4020-152MEC	500	999	0.811
Pack Size		1	1000	1999	0.746
Minimum Order Quantity		1	2000	2000+	0.695
Lead time		16			
RoHS Compliance		Yes			
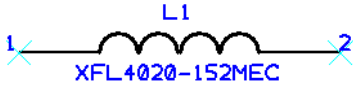
Now the Part has been downloaded, you can investigate its attributes from the **Edit Part dialog** to see it has inherited the values from the online model, including the Supplier name and Supplier Part number.

Updating Imported Parts to Company Standards

It is always worth remembering that imported parts may need to be updated to your company standards. For example, this may mean adding attributes to Parts or changing text, pin and line styles on Symbols and Footprints to be in-line with your other library items.

This concludes the instructions for using the Pulsonix Component Search Engine.

Using Pulsonix in Dual Screen Mode

If you are using Pulsonix in Dual Screen mode, the Component Search Engine will automatically place the component symbol in the 'First' screen. To change which environment you would like the Search Engine to place the symbol in, go to **Pulsonix**, **Options** dialog, **Multi-Screen** tab and click **Swap**.
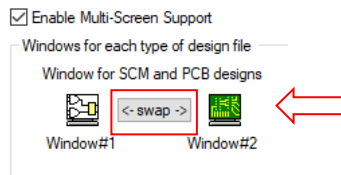
Closing the Library Loader Application

As the Library Loader will run in the background, you will need to close the background application if you wish to close it completely. To do this, select the **up arrow** on your **taskbar**, select the **Library Loader** icon and from the menu displayed, click **Exit**.