

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 - <u>https://www.pulsonix.com/product-updates</u>

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.

Pulsonix Component See ×	Θ	-		×
← → C Secure https://pulsonix.componentsearchengine.com/ga/		77	<u>ه</u>	:
★ SEARCH ACTIVITY PROFILE DOWNLOADS FEEDBACK				^
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On the Downloads page, scroll down to the Library Loader section.

Pulsonix Downloads



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**.

Account Details	×	
Register Login	<u>د</u>	
Email (User Name) Password	Login	
	Already have an account but forgot your password?	

Once logged in, you now need to click the **Settings** button on the **Library Loader** dialog, this will open the **Pulsonix Settings**.

Library Loader	_		×	
Open EPW File Search for Parts Profile	I <u>Feedback</u> I	<u>Help</u>		
Downloads Folder C:\Users\Downloads		Brow	se	
Your ECAD Tool Pulsonix	~	Settin	igs	
You have downloaded these parts since 10:14 on	04/08/2017			
			^	
			\sim	
User Name: tys@pulsonix.com				

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.

Pulsonix Settings								
Version 9.1 or later		Help						
Libraries (9.1 or later)								
Schematic Symbols	WestDev Internal.ssl	~ K —						
PCB Symbols	PCB Symbols WestDev Internal.pfl 🗸 🗸							
Components	WestDev Internal.pal							
STEP Model Folder								
C:\Users\Public\Docu	s ~ (
Show Library Import Instructions (9.0 or earlier)								
	OK Cano	el						

Note: you need to be using Pulsonix 9.1 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 prepopulated attributes from a specific supplier.

			coilcraft Q			
			Components matching your search: 198506			
Image	ECAD Model ↓	D.S.	Description	Manufacturer	Prices / Stock	
OFR	C 4	PDF ↓	COILCRAFT - XFL4020-152MEC - INDUCTOR, PWR, 1.5UH, 9.1A,20%,59MHZ	COILCRAFT	XFL4020-152MEC	

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.

-C72	S Farnell	Visit Famell Product Page	Stock	0	From		То	Cost (GBP)
		Ownload ECAD Model	Farnell Part Number	2298252	1000	4	1000	0.733
410	Datasheet	Manuf Part Number	XFL4020-152MEC	5000	g	000	0.696	
	COILCRAFT - XFL4020-152MEC -	REEL	Pack Size	1	10000	1000	000000	0.661
			Minimum Order Quantity	1000				
			Lead time	56				
			RoHS Compliance	Yes				
		Visit Mouser Product Page	Stock	10715	F	rom	То	Cost (GBP)
	Fixed Inductors XFL4020 AEC-Q200 1.5 uH 20 % 9.1 A	Mouser Part Number	994-XFL4020-152M	IEC	1	99	1.68	
an		Manuf Part Number	XFL4020-152ME		100	499	1.34	
		Pack Size	ï	5	500	999	0.811	
		Minimum Order Quantity	1	1	000	1999	0.746	
			Lead time	16	2	000	2000+	0.695
			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 Suppler 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**.



Using Pulsonix in Dual Screen Mode

If you are using Pulsonix in Tear-Off mode, the Component Search Engine will automatically place the component symbol in the current torn off window.

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**.

