TECH NOTE



Pulsonix PCB Library Expert Interface

Exporting from PCB Library Expert

Choose the **Pulsonix PLX** format option within the PCB Library Expert dialog and using **Create**, export your footprint to a file using the file extension .plx.

Create Footprint					×
Decal Name	BGA121C50P11X1	1_600X600X10	0B30N		eate
Part Type Name	BGA121C50P11X1	1_600X600X10	0B30N		eale
Translator	Pulsonix	•	🔽 Set as Default Format		te and
Pulsonix®					030
Pulsonix® PLX	PLX 🔻			Ca	ncel
Output Directory		·			noer
Output				3	D Model
Part and Deca	ASCII				
Layers					
Solder Mask	Top 21	Bottom			
Paste Mask		÷ 22 ÷			
Silkscreen Outline		÷ 29 ÷			
Assembly Outline		÷ 30 ÷			store ies to
Courtyard Outline		*		Def	aults
3D Model Oultline	25	* *			-
Pulsonix® is a trader	ark of Westdev Ltd				Entries as rences
Progress					

Importing PLX files to Pulsonix

During the import, you can optionally elect to use a **Technology File** and **Mapping File**. These can be your own files or you can download ones that are supplied by Pulsonix on the web site under http://www.pulsonix.com/downloads/tools/supplementary/PCBFootprintExpertPulsonixPLX.zip

Technology File

The Pulsonix technology file PCBFOOTPRINTEXPERT IMPORT.ptf contains line styles, text styles, layers, layer classes, and pad styles set-up to aid import of footprints generated from PCB Footprint Expert into Pulsonix.

Before starting the import, you should save the technology file into a location that can be browsed to using the **Folders** dialog and **Technology** page.

As an alternative method, after importing the footprints, you can selectively load these Technology settings into your existing technology using the **Load Technology** button on the **Setup** menu.

Mapping File

The mapping file supplied further facilitates the import but mapping import names to names used by Pulsonix. This can of course, be edited to suit your own requirements and layer names etc.





Importing the PLX file into Pulsonix

From within Pulsonix, from the Setup menu, or from the PCB toolbar, select Libraries (or Libraries icon).

Choose the **PCB Footprint** tab.

Libraries - PCB Fo	otprints				
Folders Schema	ic Symbols Schematic Doc Sy	mbols PCB Footprints	PCB Doc Symbols Part	s 3D View STEP Mod	
Current Library:	New.pfl [in "C:\Users\Public\	Documents\Pulsonix\Us	erLibraries'']		
			Attributes	New Library	/∟
Contents		Ne	w Preview		

Use the **New Library** button to create a new PCB Footprint library.

The new library name will be displayed in the Current Library: list box.

Before importing the .plx files, change the Technology file to either your own file or the one downloaded previously: PCBFOOTPRINTEXPERT IMPORT.ptf

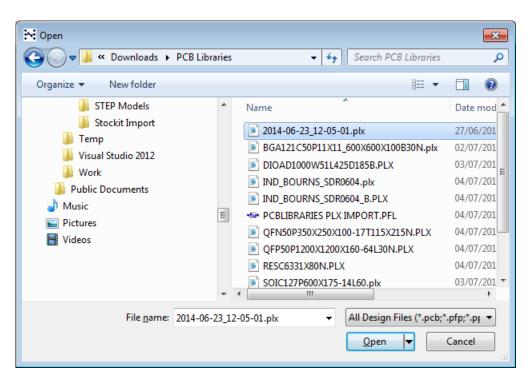
Export		
Apply	Iechnology File PCBFOOTPRINTEXPERT IMPORT.ptf [in "C:\\PCB Libraries' ▼	
	Close Apply Help	

Now import your footprint using the **Import** button on the dialog:

Libraries	- PCB Fo	otprints									
Folders	Schema	tic Symbols	Schematic Doc Symbols	PCB Foot	prints	PCB Doc	Symbols	Parts	3D View	STEP Mode	els
Curren	t Library:	New.pfl [i	n "C:\Users\Public\Docur	ments\Pulso	nix\Use	erLibraries"]				
							Attrib <u>u</u> tes		New Libra	ry	Rep
Cont	ents				<u>N</u> er Edit Dele		Prev	view			
					<u>R</u> enar <u>C</u> opy <u>Move</u> <u>Impo</u>	/ » t]				

From the **Open** dialog, choose the .plx file to import. Press **OK**.

TECH NOTE



The Pulsonix Footprint Library Transfer dialog is displayed:

Pulsonix Footprint Library Transfer	×
Iechnology: PCBF00TPRINTEXPERT IMPORT.ptf [in "]	"] -
🔽 Use Layer Ma	apping
OK Cancel	

The Technology file will be pre-selected for you (because you set it up in the previous operation). Use this one or select your own Technology file. By selecting a Technology file, you can also optionally select the Use Layer Mapping check box.

If you select this, when you press OK to run the import, the Layer Mapping dialog is displayed.

C:\Users\bob.MAIN\Documents\PCB Fo	ootprint Expert Pulsonix PLX.map Browse	
Pulsonix Layer	Pulsonix Layer	
Pin Names	Pin Names Top	
Board	Profile	
Тор	Тор	
Top Silk	Silkscreen Top	
Top Paste	Paste Mask Top	
Top Assy	Assembly Drawing Top	
Top Mask	Solder Mask Top	
Top Finish	Pin Names Top	
Top Glue	Pin Names Top	
Bottom	Bottom	
Bot Silk	Silkscreen Bottom	
Bot Paste	Paste Mask Bottom	
Bot Mask	Solder Mask Bottom	L
Bot Assy	Assembly Drawing Bottom	
Bot Finish	Pin Names Bottom	

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When you press the **OK** button, the import will start. You will be returned to the **PCB Footprints** page of the Library Manager dialog from where you can view your newly imported footprints.

ibraries - PCB Footprints	
Folders Schematic Symbols Schematic Doc Syr	mbols PCB Footprints PCB Doc Symbols Parts 3D View STEP Models
Current Library: New.pfl [in "C:\Users\Public\E	Documents\Pulsonix\UserLibraries'']
Content Library. Herepit fint et tosers a doite te	
0	Attrib <u>u</u> tes Ne <u>w</u> Library Rep <u>o</u> rt Inde <u>x</u>
Contents TQFP64_10x10MC	New Preview
TQFP64_10x10MC-L TQFP64_10x10MC-M	
	Edit
	Delete
	· · · · · · · · · · · · · · · · · · ·
	Rename
	Сору
	Load Tech
	Wizard
	To Doc Sym
	Export
Matched: 3 of 3	
Filter	Technology File
No. Pins:	PCBFOOTPRINTEXPERT IMPORT.ptf [in "C:\\PCB Libraries' V
☑ Close Dialog On Edit	
	Close Apply Help

Once in Pulsonix, you can edit this footprint in the normal way using the **Edit** button.

Remember, you will also need to create a Part definition using the **Parts** tab in order to use this footprint in your PCB design.