How to use the Component Editor of the PCB-Investigator

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Schindler & Schill GmbH
Im Gewerbepark D33
93059 Regensburg
Deutschland

Tel: +49 941 568 136 20
Email: info@easyLogix.de
Web: www.easyLogix.de

Component Editor Plug-In

The Plug-In consists of three tab-pages:

- the first to edit everything about components (e.g. change an attribute or delete a property)

- the second one to create new components (by click or selection) and handle Package-Import and -Export

- and the third one to edit everything about a package (e.g. Outline, Pin, Attributes)

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'Edit Components'-Tab

Delete all the selected components

Activate/Deactivate the update of the view when changing the selection

Activate/Deactivate the Drag&Drop functionality

Clone all the selected components

Add a new component property

Apply all the changes made on the selected components

Add package definition from selected elements

View and edit all the component attributes

Show the number of selected components

View and edit all the component properties

Open a dialog to edit this property (see page 6)

View the most important package attributes

Component Editor

Edit Components | Add Components | Edit Package

Component Attributes   Selected: 1

Component Information	
Color	
Height	0
LayerName	comp_+_top
PartName	
Reference	RESET_3

Color
The color in PCB-Investigator Image.

	Type II	electro-mech	
	Mount Type	SMT	
123	Maximal Height	45,000	mm
abc	order_number	'1042536987'	

Package Attributes	Value
Package_Name	package_Reset
Package_Height	0
InsertCenter_X	0
InsertCenter_Y	0
Pin_Count	4
Pitch	63
cad_local_footprint_change	yes

'Add Components'-Tab (1)

Save the selected package to the library

Delete the selected package from the library

Show/Hide the dimensions of the selection

Save all packages to the library

Load all the packages from the library

Activate/Deactivate the analyse of the text from the selection

Add package definition from selected elements

Choose a unique reference for the new component

Generates a unique reference for the new component (choose a fix text and the range for the automatically added numbers

Select the layer where to place on the component

Activate/Deactivate a filter to get all the packages with the same pin count as the selected elements

Component Editor

Edit Components | Add Components | Edit Package

Layer: comp_+_top
Reference: ○ Fix newComponent_1
○ Auto r20   X X X X X

Package: ☐ Auto Filter

Package Name	Pin Count	SizeX	SizeY	Pitch
Geben Sie Text hier ein	Geben S...	Ge...	Ge...	Geben...
package_Reset	4	5,500	3,000	1,600
package_D	2	3,048	1,778	1,651
package_C_small	2	0,864	2,134	1,016

Package Infos:
Package Name: package_D
Pin Count: 2
SizeX: 3,048 mm
SizeY: 1,778 mm
Pitch: 1,651 mm

package_D

Add Components
Create Component by Click
Place Component to Selection Center
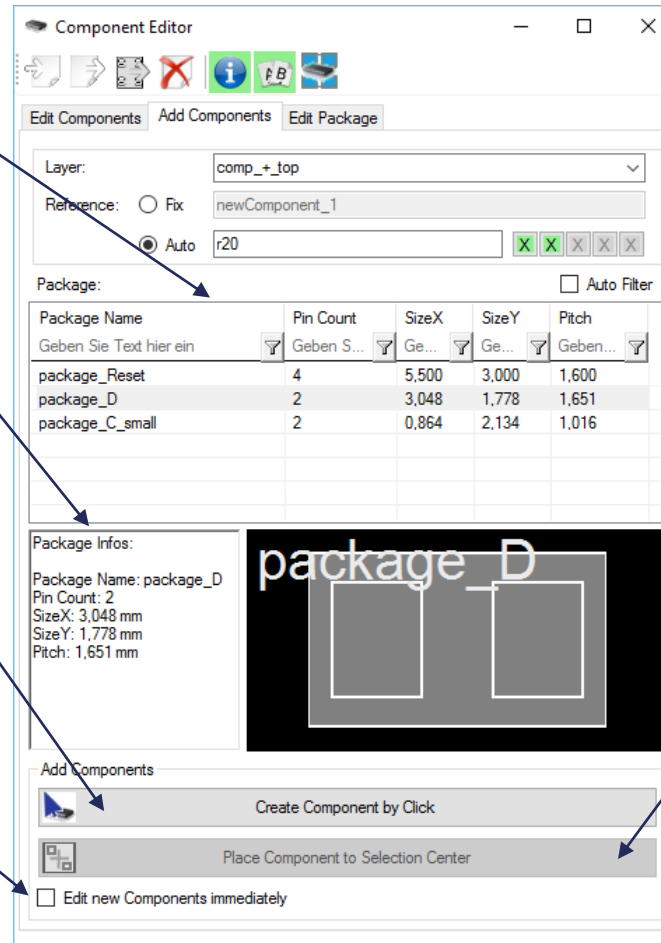☐ Edit new Components immediately

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'Add Components'-Tab (2)

View all the packages and use the filter to search for a special package

View the most important package attributes

After choosing the layer, the reference and the package, you can create a new component by clicking on the layout

By activating this Option, the dialog will switch to the 'Edit Components'-Tab after the the creation of a new component

Preview of the selected package

After choosing the layer, the reference and the Package and selecting at least one element, you can create a new component that will be placed in the center of the selection

Component Editor

Edit Components | **Add Components** | Edit Package

Layer: comp_+_top

Reference: ○ Fix   newComponent_1

○ Auto   r20   X X X X X

Package: ☐ Auto Filter

Package Name	Pin Count	SizeX	SizeY	Pitch
Geben Sie Text hier ein	Geben S...	Ge...	Ge...	Geben...
package_Reset	4	5,500	3,000	1,600
package_D	2	3,048	1,778	1,651
package_C_small	2	0,864	2,134	1,016

Package Infos:

Package Name: package_D
Pin Count: 2
SizeX: 3,048 mm
SizeY: 1,778 mm
Pitch: 1,651 mm

package_D

Add Components

Create Component by Click

Place Component to Selection Center

☐ Edit new Components immediately

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'Edit Package'-Tab

Add package definition from selected elements

Choose a package from the list of all packages

Shows the type of the property

Add a new package property (context menu)

Edit the package outline in a new PCB-Investigator window

Choose the package of the selected component

Show and edit all the package attributes

Show and edit all the package properties

Delete a package property

Component Editor

Edit Components | Add Components | Edit Package

Edit Package: package_Reset

Information
Bounds	{X=-108.269996643066,Y=-59.060001373291,Wi
Height	**0**
Name	**package_Reset**
Pitch	**63**

Transformation
InsertPoint_X	0
InsertPoint_Y	0

Name
Package definition name, this should be unique but can be used from many components.

☑	CADStar Pad Change	☑	✗
—	No Components on Other Side	pins_only	✗
123	pin_length	4,120	✗

➕ Add package property

Edit Package Outline

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'Edit Property'-Dialog

Dialog to add a new property or attribute

Option to show the Display Name or the real Name of the attribute in the list

Choose an attribute of the list of all attributes

Or add a property by adding a name

Choose a value for the property or attribute

Software Portfolio

Useful Links:

PCB-Investigator
www.pcb-investigator.com

PCBi-Physics
www.PCBi-Physics.com

Native Board Import (3D Interface to CATIA, SiemensNX, SolidWorks, SolidEdge)
www.sts-development.biz

GerberLogix
www.gerberLogix.com

Online Gerber Viewer
www.Gerber-Viewer.com

Software Development, CAD Converter, data connection
www.easyLogix.de

Get in touch,

info@easylogix.de

Guenther Schindler

Tel. +49 941 568 136 26