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Software Development

Plug-In PCB-Investigator:

„Panel Builder“

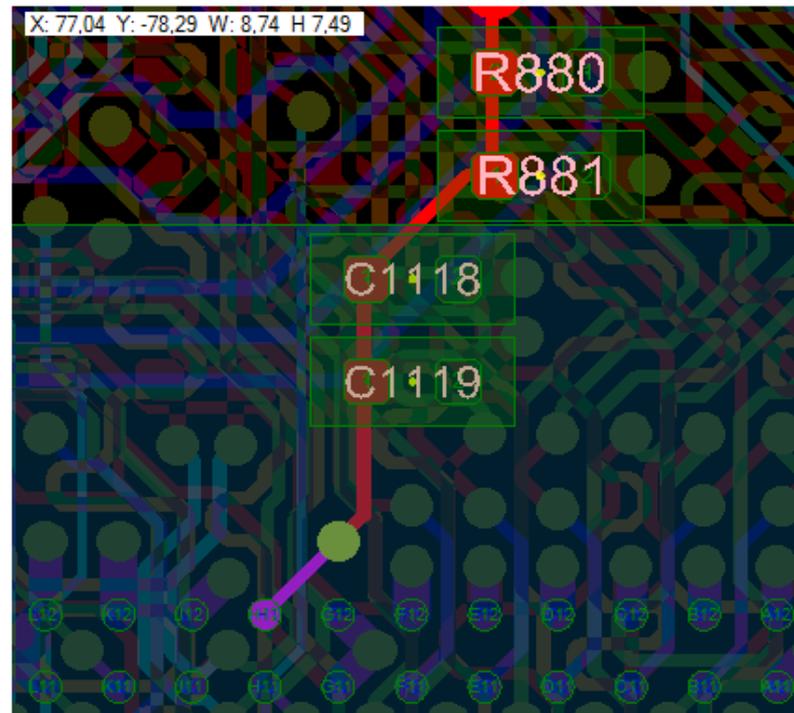
Schindler & Schill GmbH

Bruderwöhrdstraße 15b
93055 Regensburg
Deutschland

Tel: +49 941 604889719
Email: info@easyLogix.de
Web: www.easyLogix.de

Component Connect Plug-In

Do you want to check whether each pin has a blocking capacitor?
The solution is the new Plug-in "Component Connections". This plug-in allows to see the connections of a previously selected object of the board.



Component Connect Plug-In

1. In the first step, the components must be activated in the layer list.
2. Subsequently, the component is selected, in which the analysis performed.
3. The third step is to open the plug-in in the plug-in list "Component Connections" and enter the reference to be selected.
4. White the reference should be filtered in the window.
5. Then push the button "Connections Report".
6. After a few seconds, a list opening which is sorted by the selective reference.
7. When you pressed by double-clicking a line in the report the selected references appear it in the main window.
8. This can be seen in greater minutiae in the detail view.
9. The detail view displays more information about the selected object, for example the network, the distance or the total net length.
10. Moreover, the different views can be selected. There is a option of connected component to zoom, zoom to empty net, top view or bottom view.
11. Under the File option in the menu, the view can be printed or saved.
12. By clicking on "update view on selection change" will be activated with the option in the current list. It does appear that if you double click the line in the list, the view in the "detail view" turns up immediately.

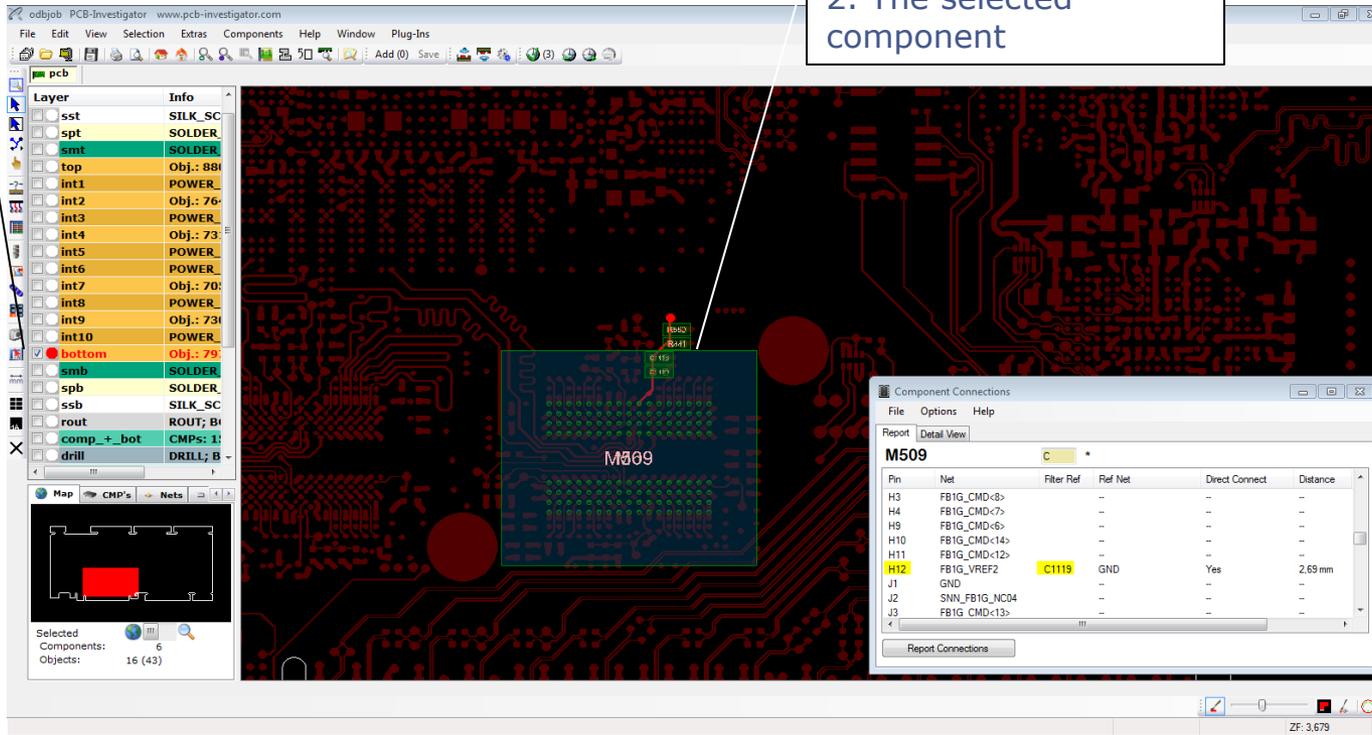
Component Connect Plug-In

After installing the Plug-In you get the new menu item



1. activate the layer

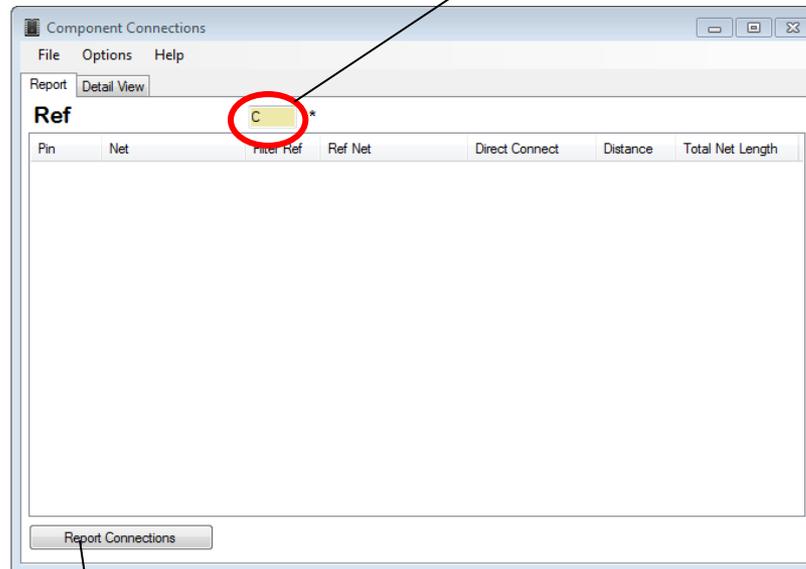
2. The selected component



Component Connect Plug-In

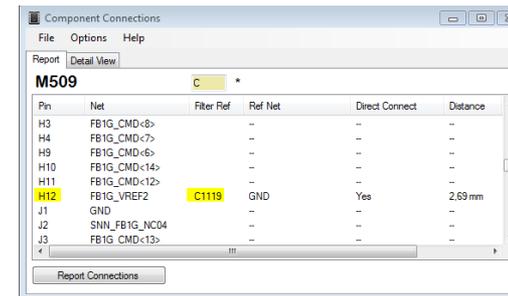
3. Open the Plug-In in the list

4. Write here the reference



5. Push this Button

6. The list with the filtered references



Component Connect Plug-In

7. When you double click in the line, you see the view in the main window

The screenshot displays the PCB-Investigator software interface. The main window shows a PCB layout with a zoomed-in view of a component labeled M509. A red arrow points from the component in the main window to a zoomed-in view of the component and its connections. The zoomed-in view shows the component M509 connected to a network C1119. The Component Connections dialog box is open, showing the connection details for M509.

Pin	Net	Filter Ref	Ref Net	Direct Connect	Distance
H3	FB1G_CMD<8>	--	--	--	--
H4	FB1G_CMD<7>	--	--	--	--
H9	FB1G_CMD<6>	--	--	--	--
H10	FB1G_CMD<14>	--	--	--	--
H11	FB1G_CMD<12>	--	--	--	--
H12	FB1G_VREF2	C1119	GND	Yes	2.69 mm
J1	GND	--	--	--	--
J2	SNN_FB1G_NC04	--	--	--	--
J3	FB1G_CMD<13>	--	--	--	--

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8.+ 9. The detail view shows much more information.

