

Title: New Auto Connect commands with 16.3

Product: OrCAD Capture and Allegro DE CIS


Summary: Since version 16.3 the new function Auto Connect exists in Capture, which is described in this Application Note.

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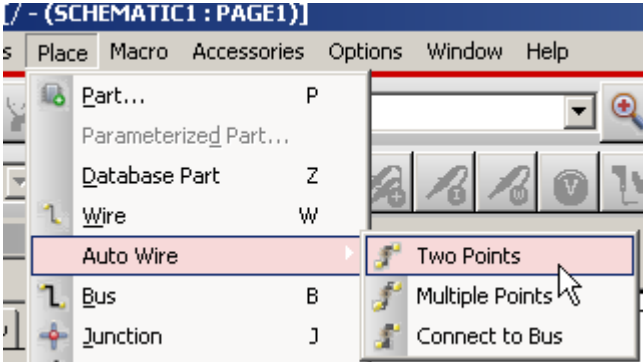
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1 Auto Connect Two Points

Chose the Connect Two Points command with the icon 

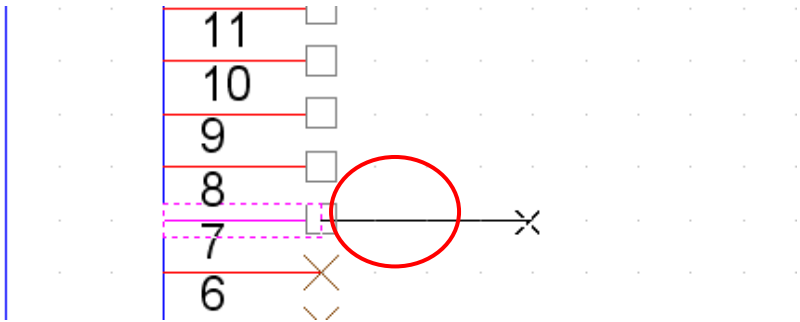
or from the Task Menu: Place->Auto Wire -> Two Points



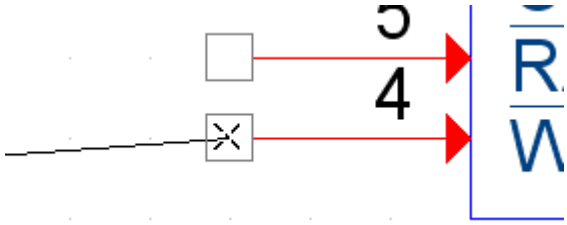
When the Auto Connect command is active, the mouse pointer gets a special cross: 

Short descriptions how to use the auto connect two points:

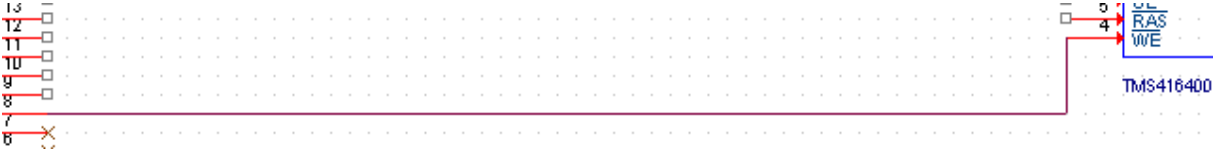
Select the first Pin



Select the second Pin

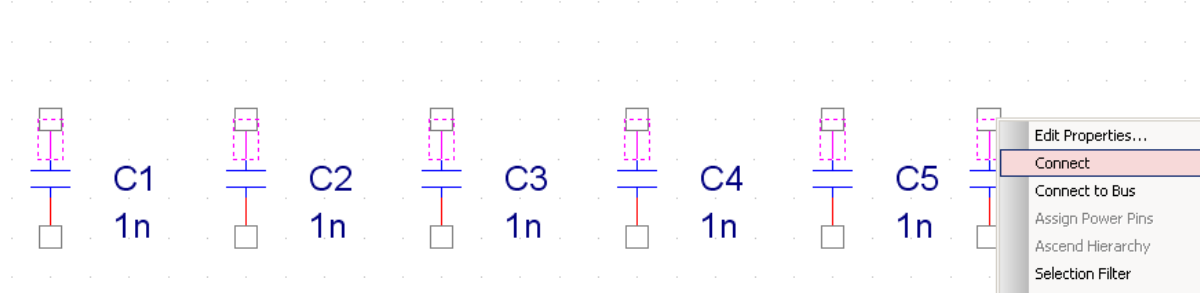


And the connection is done automatically

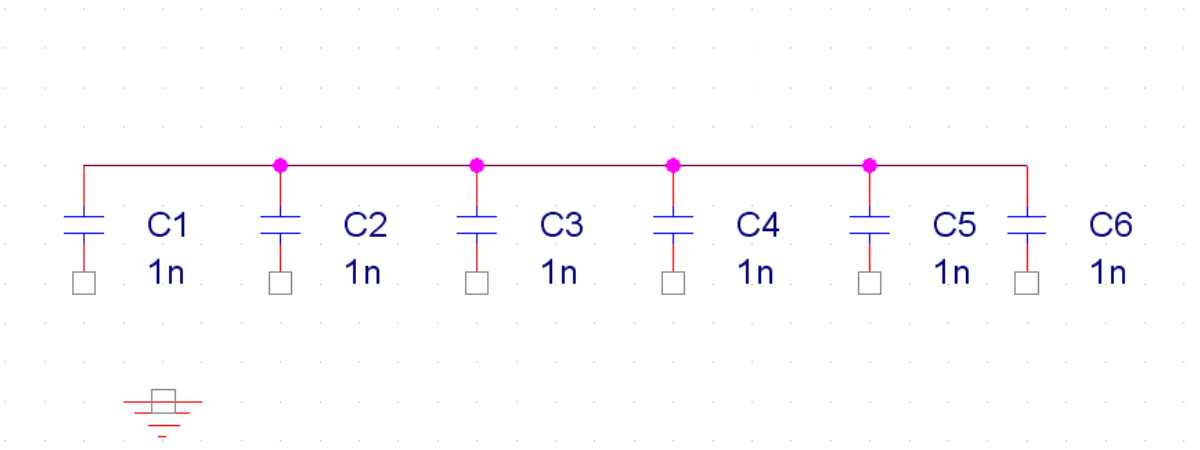


2 Auto Connect Multiple Points

Select several Pins and click the right mouse button:



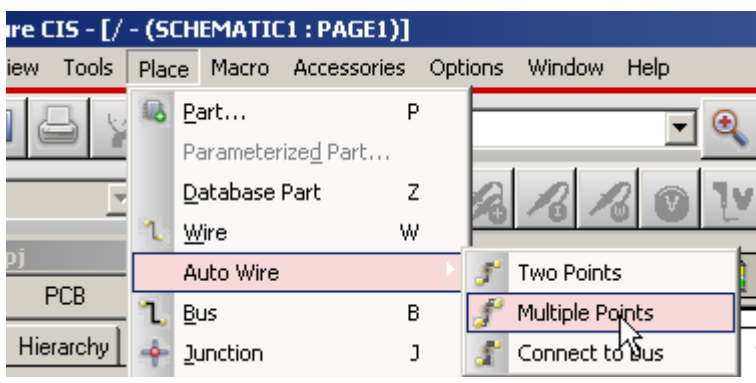
Chose the command Connect:



All the pins are connected together in one click!

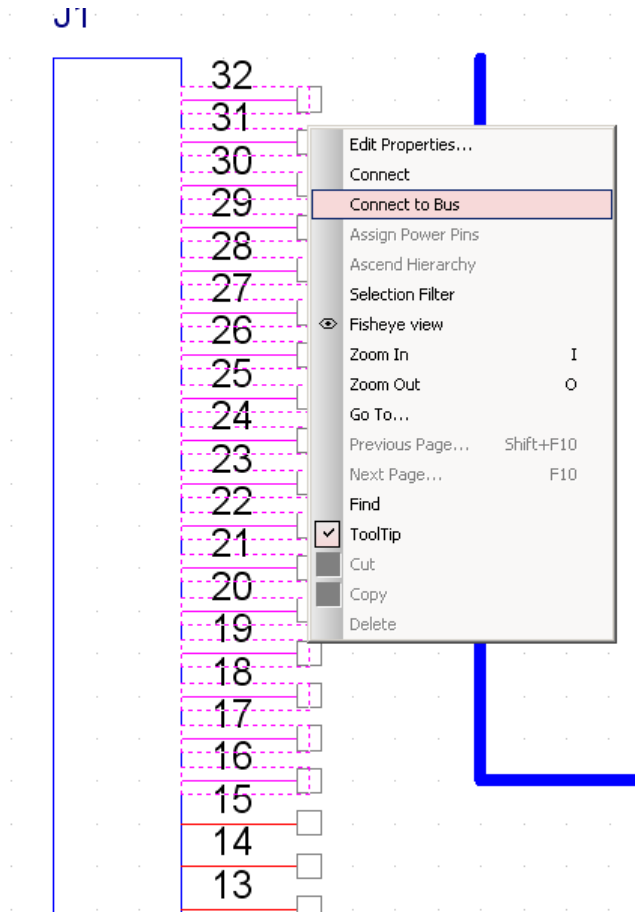
The Connect Multiple Points Command is also available as an Icon:

Or from the Menu:

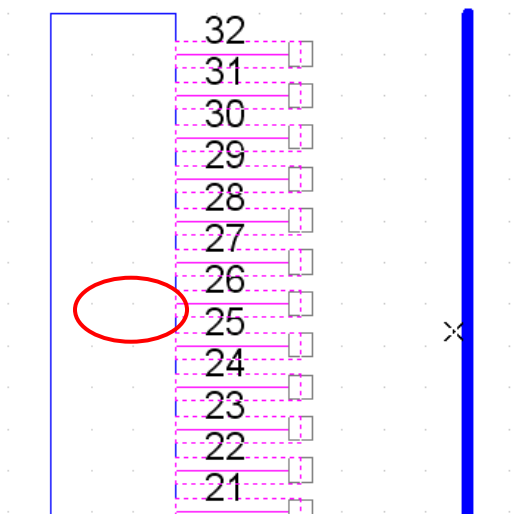


3 Auto Connect to Bus

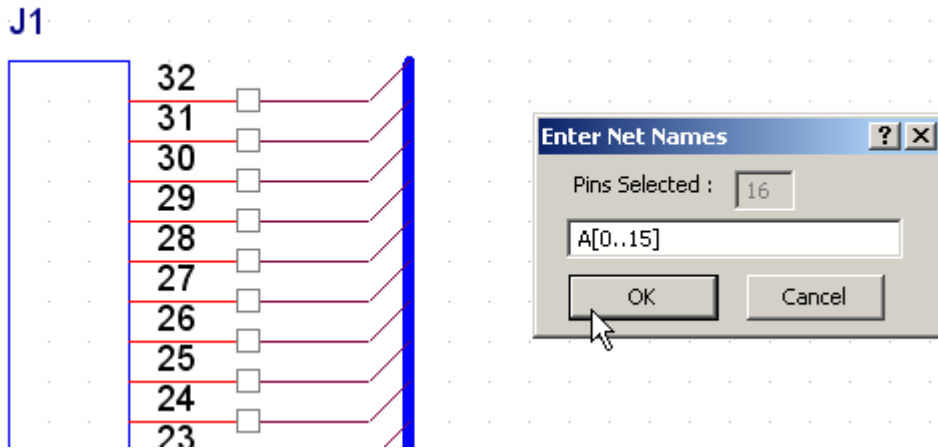
Select the Pins which you want to connect with a bus, click on the Right mouse button and choose: connect to Bus



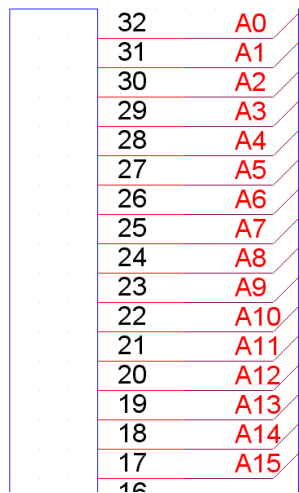
A special mouse pointer appears, select the desired bus:



Enter the BusName:

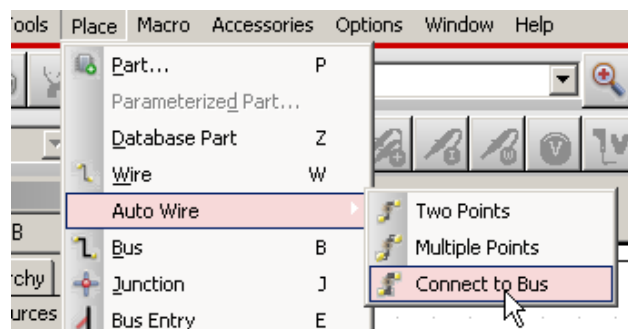


And all the Pins are connected with the Bus!



The Connect Multiple Points Command is also available as an Icon:

Or from the Menu:



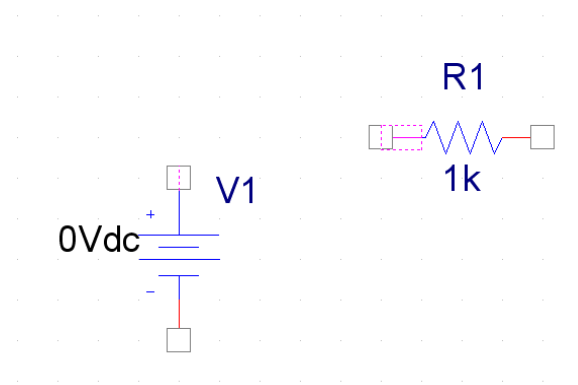
4 Errors

4.1 Auto Connection Failed

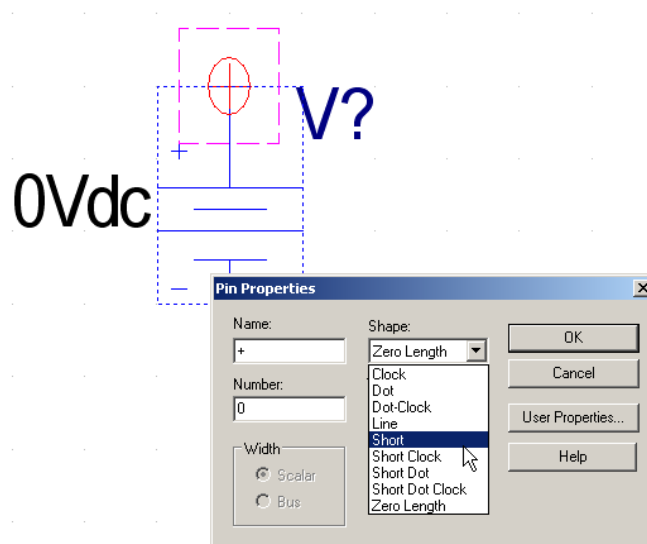
It is possible that you get an error message when you use “auto connect two points” like following:

[AUTOWIRE01] Auto Connection Failed between (2.400000,2.800000) and (2.400000,3.000000)

On following example the auto connect failed between the Source (V1) and the Resistor (R1).



The connection fails because of the source zero Pin Length from the DC - Source. So you have to change the Pin Length, for example to short:



With this setting the auto connect works fine.