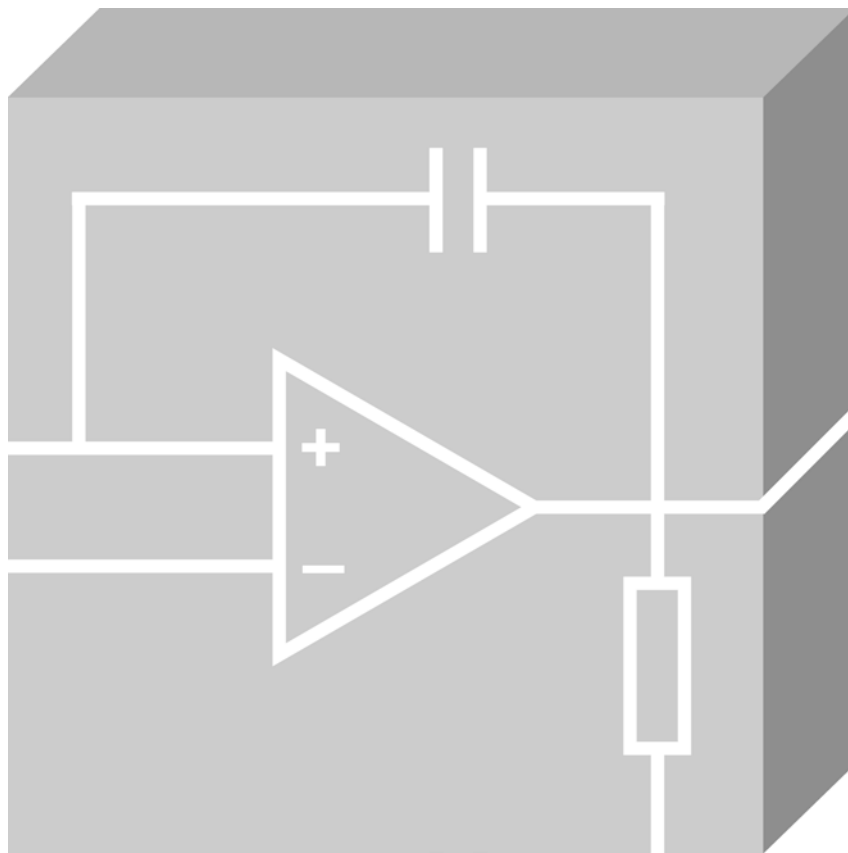


Auto Connect Command



OrCAD Capture und Allegro DE CIS

Application Note | V2.1

Table of Contents

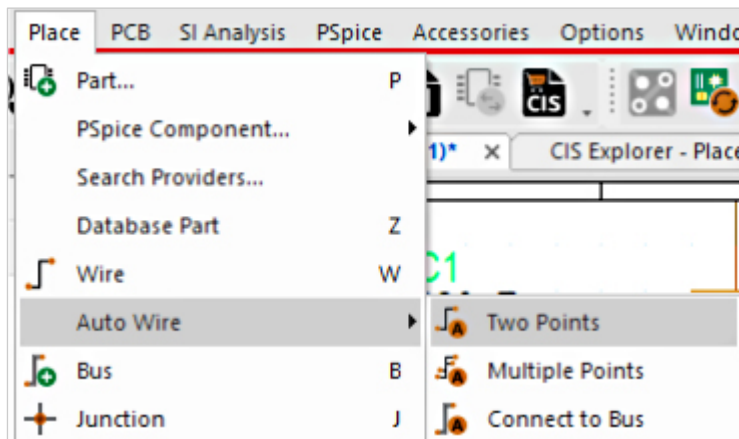
1	Auto Connect Two Points.....	3
2	Auto Connect Multiple Points	4
3	Auto Connect to Bus	5
4	Connect Components Directly	6


1 Auto Connect Two Points

Chose the **Connect Two Points** command with the icon

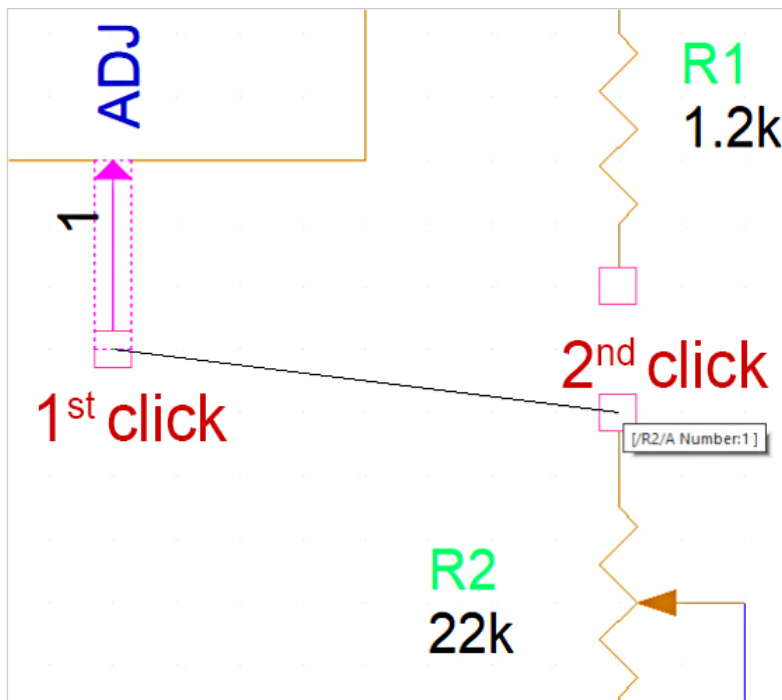


or from the Task menu: **Place > Auto Wire > Two Points**

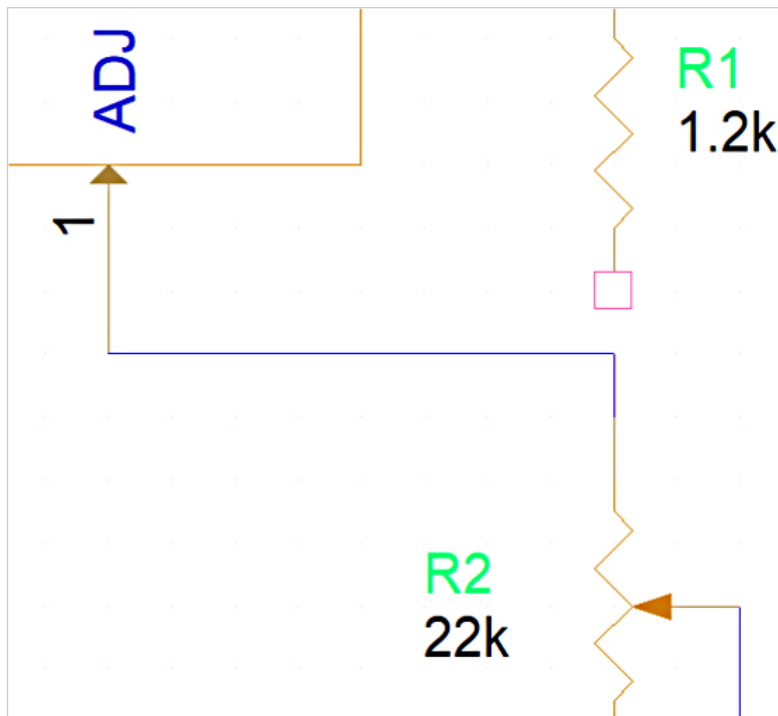


When Auto Connect command is active, the mouse pointer becomes a special cross .

When the cursor is the cross, simply click the pins you want to connect.

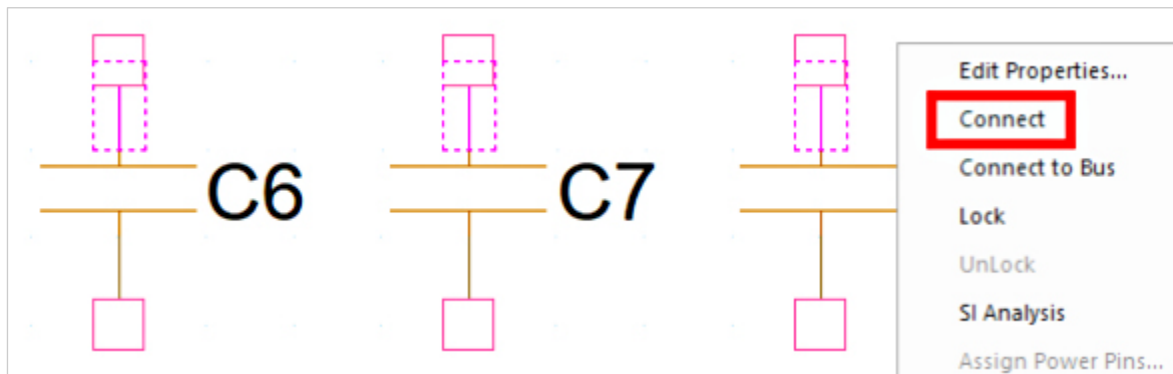


The connection is added automatically.

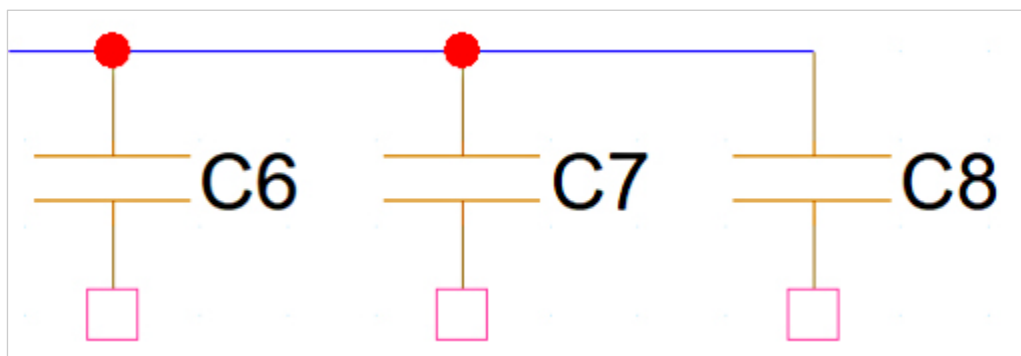


2 Auto Connect Multiple Points

Select several pins by window select, click right mouse button and **connect**.



All the pins are connected together in one click.



To select individual pins, **Place > Auto Wire > Multiple Points** from the menu or button  can be used.

When the desired pins are selected, use right mouse button and connect.

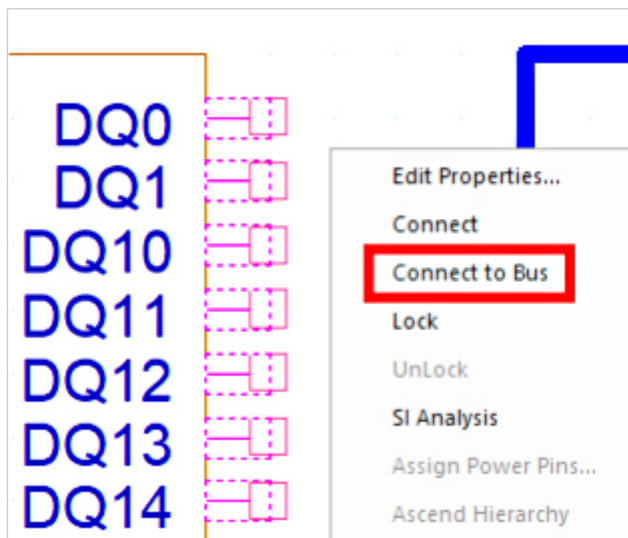
Note


A zero pin length cannot be connected with the auto connect function. You have to edit the part and select another pin shape.

If there is not enough space for a new wire, the auto connection fails. You have to move some of the existing wire to make some space for the new one.

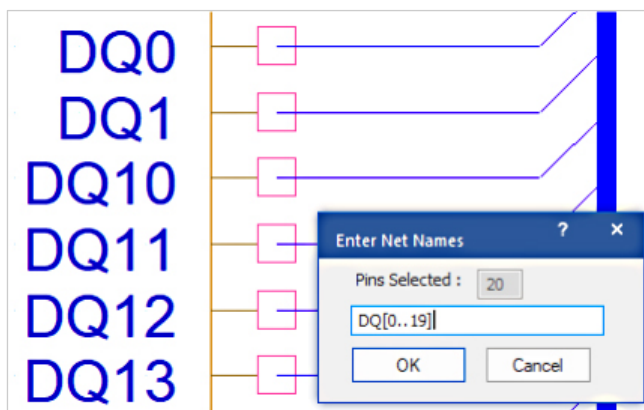
3 Auto Connect to Bus

Select the pins which you want to connect with a bus, click on the right mouse button and choose **Connect to Bus**.



The mouse pointer changes to a cross  and the desired bus can be selected.

The pins are connected with the bus and the **Enter Net Names** window comes up.

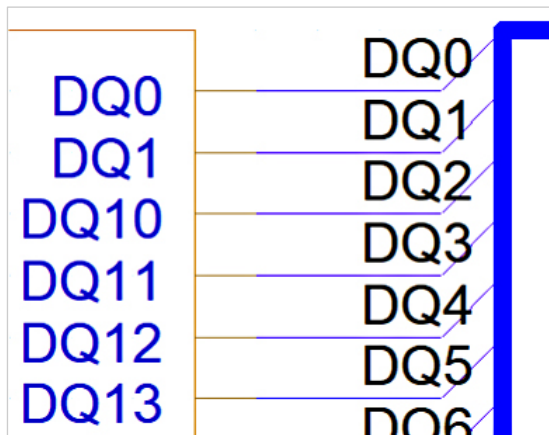


Please take care about the net name syntax, which should be like this:

Bus-Name[LSB..MSB]

Example: DQ[0..19]

Please note that the bits are named from LSB to MSB.



To select individual pins, you can use **Connect to Bus**.

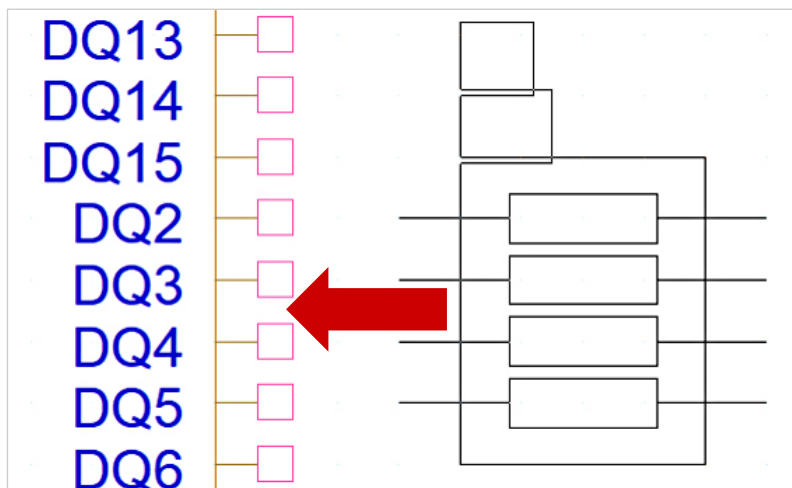
The Connect to Bus command is also available under **Place > Auto Wire > Connect to Bus** and at this icon:



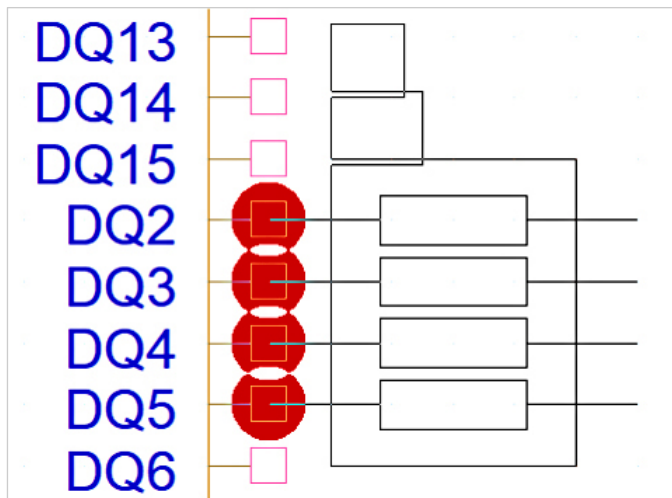
With this Cross-Mouse-pointer select all pins you want to connect to the bus and then click on the bus. Enter the net names as desired.

4 Connect Components Directly

Components can be connected automatically, if their pins are placed on each other. The right component is attached to the mouse and moved over the pins of the left component:



As soon as the pins are meeting each other, a red dot signals, that the pin will be connected.



When the parts are pulled apart again, the connections remains and a wire is automatically added.

