Net Join
1.50

Features

- Connects two analog routes

- Connects a constrained analog route with an unconstrained analog route

- Connects two analog routes with different routing resource constraints

General Description

The Net Join component connects two analog routes to each other. Each of the routes may have a different analog resource constraint.

Net Join Deprecated

The Net Join component is not shown in the Component Catalog by default, and it should no longer be used. Use the Net Tie component instead.

Input/Output Connections

This section describes the various input and output connections for the Net Join component. An asterisk (*) in the list of I/Os indicates that the I/O may be hidden on the symbol under the conditions listed in the description of that I/O.

net_a – Input/Output

Connects to an analog route to be joined.

net_b – Input/Output

Connects to an analog route to be joined.

Component Parameters

The Net Join component has no configurable parameters, other than the Built-in parameters that exist for all components.

Resources

The Net Join component itself does not consume hardware resources; however, the analog router will use analog routing resources as necessary to implement the connection.

Functional Description

You can use the Net Join component to connect a constrained signal to an unconstrained signal. The components on the left are connected using AMUXBUSR. The analog router automatically selects routing resources to connect to the component on the right.
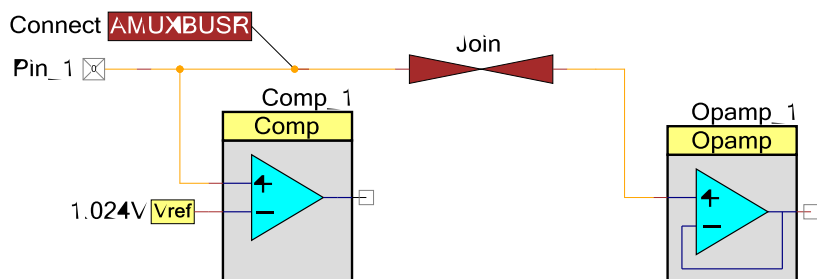
You can use the Net Join component to connect two constrained signals. The components on the left are connected using AMUXBUSR. The component on the right is connected using AGL[4]. The analog router automatically selects routing resources to connect the signals together.
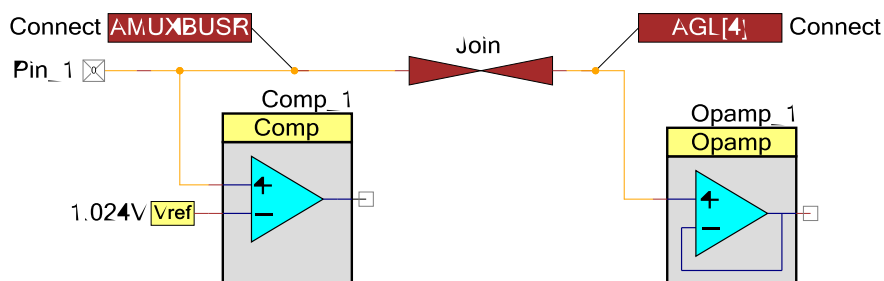
You can use the Net Join component to connect two unconstrained signals, but in this case the Net Join is not necessary.
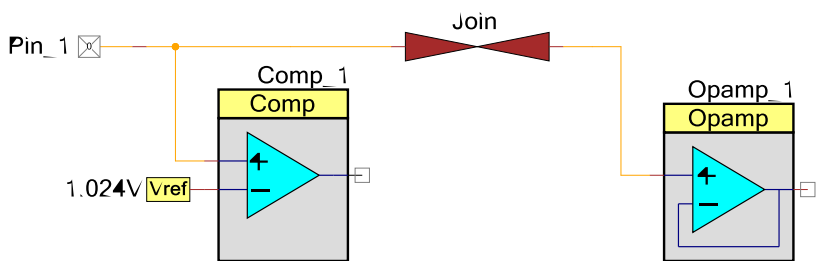
Component Changes

This section lists the major changes in the component from the previous version.

Version	Description of Changes
1.50.c	Updated to direct users to the Net Tie
1.50.b	Minor datasheet edits and updates
1.50.a	Minor datasheet edits and updates