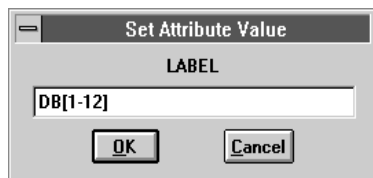


Buses must be labeled. Examples of legal bus names are:

DB[0-12]
DB[0:12]
DB[0..12]
DB0, DB1, CLK



You can use the Auto-Repeat function to place the wires that connect the pins to the bus because the wires will be the same length and fixed distances.



Drawing and Labeling Buses

Draw the bus labeled DB[1-12].

Drawing the bus

- 1 Click the Draw Bus button.
The pointer is now shaped like a pencil (as it was when you were drawing wires).
- 2 Click where you want to start the bus.
- 3 Click the pointer where you want to end the bus.
- 4 Right-click to stop drawing buses.

Labeling the bus

- 1 Double-click any segment of the bus to display the Set Attribute Value dialog box.
- 2 Type DB [1-12] in the LABEL text box.
- 3 Click OK.

Connecting wires to the bus

- 1 From the Options menu, select Auto-Repeat to display the Auto-Repeat dialog box.
 - a Set the Vertical Offset to 00.10.
 - b Ensure that Enable Auto-Repeat is enabled.
 - c Click OK.
- 2 Click the Draw Wire button and draw a wire from pin 2 of U5 to the bus.
- 3 Press **[Space]** five times to place five more wires.
- 4 Click the Draw Wire button and draw a wire from pin 2 of U6 to the bus.
- 5 Press **[Space]** five times to place five more wires.

Labeling the wires connected to the bus

You can use Auto-Naming to label a uniform collection of wires.

- 1 From the Options menu, select Auto-Naming to display the Auto Naming dialog box.
 - a In the Wire/Port Labels frame, select the Enable Auto-Increment check box.
 - b In the Label Template text box, type DB1, which is the label for the first wire in the series.

Wires will be labeled incrementally from DB1 and up.
 - c Click OK.
- 2 Select the first (lower-most) wire to be labeled.
- 3 Press **Ctrl**+**E** to label the wire.
- 4 Repeat steps 2 and 3 for each wire segment, in the order they are to be labeled (from bottom to top).

Note Each wire connecting to a bus must be labeled with the name of one of the signals on the bus.

