# Harness Connector

Modified by Susan Riege on Aug 15, 2018
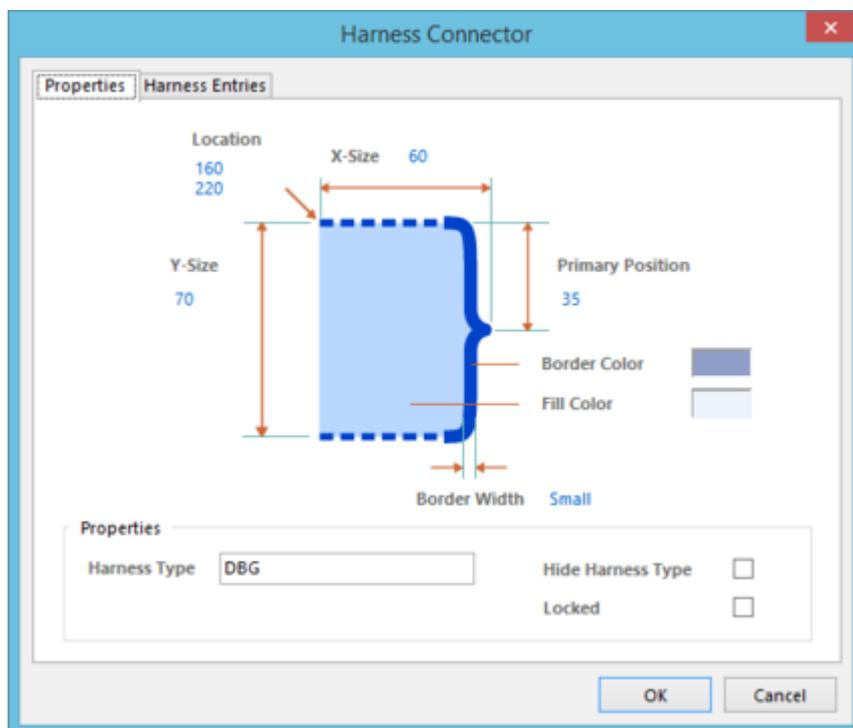
**Other Related Resources**
[Harness Connector (Object)](#)
[Signal Harness (Object)](#)
[Harness Entry(Object)](#)

*Parent page:* [Sch Dialogs](#)



The *Harness Connector* dialog

# Summary

This dialog provides controls to specify the properties of a Harness Connector object. A Harness Connector object is an electrical drawing primitive that is essentially a container to group various signals together to form a Signal Harness including buses, wires, and other signal harnesses. A Harness Connector is defined by the Harness Type.

> For information on how a placed harness connector object can be modified graphically directly in the workspace, see [Graphical Editing](#).
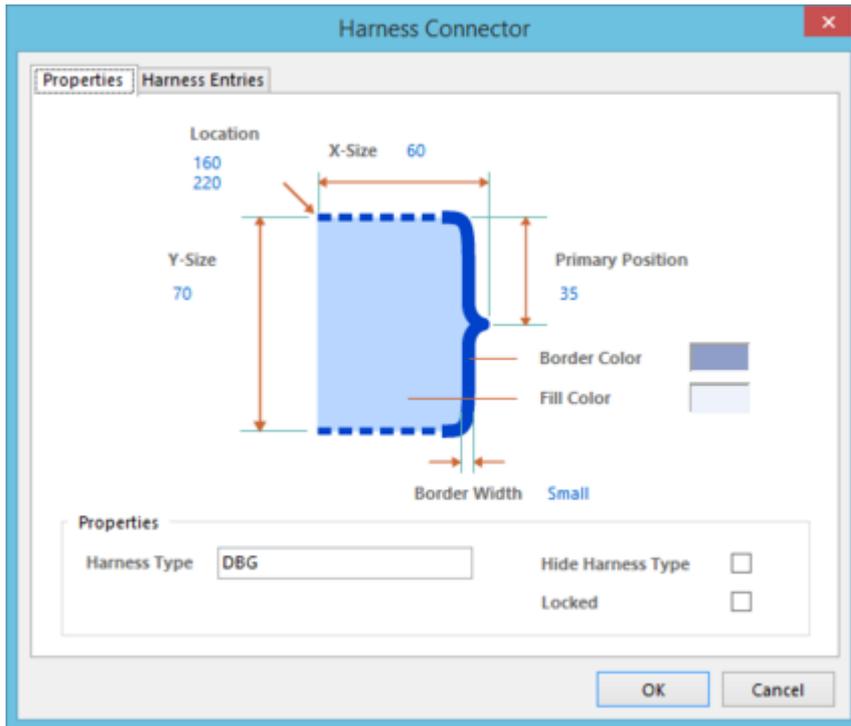
# Access

The *Harness Connector* dialog can be accessed during placement by pressing the **Tab** key.

After placement, the dialog can be accessed in one of the following ways:

- Double-click on the placed harness connector object.
- Place the cursor over the harness connector object, right-click then choose **Properties** from the context menu.

# Properties Tab



*Harness Connector* dialog - **Properties** tab

Use the dialog's **Properties** tab to modify graphical properties of the harness connector object.
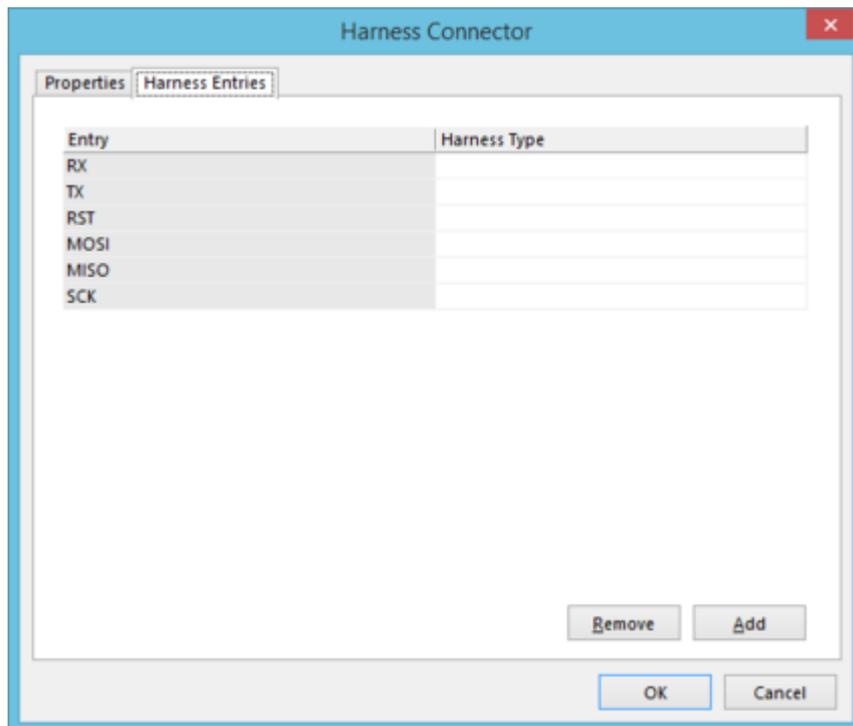
## Options/Controls

- **Location** - the current X (horizontal) and Y (vertical) coordinates for the top-left corner of the harness connector (X is the top value, Y is the bottom value). Edit these values to change the position of the harness connector in the horizontal and/or vertical planes respectively.
- **X-Size** - the current length of the harness connector in the horizontal plane.
- **Y-Size** - the current length of the harness connector in the vertical plane.
- **Primary Position** - the current position of the tip of the connector's curly brace in relation to the top of the connector. Increasing this value will move the tip further downward.
- **Border Color** - click the color sample to change the border color for the harness connector using the standard *Choose Color* dialog.
- **Fill Color** - click the color sample to change the fill color for the harness connector using the standard *Choose Color* dialog.
- **Border Width** - the width of the border used to draw the connector's curly brace. Available widths are: `Smallest`, `Small`, `Medium`, and `Large`.

**Properties**

- **Harness Type** - use this field to identify the harness connector. This name is used for connectivity purposes when building a signal harness system involving this connector.
- **Hide Harness Type** - enable this option to hide the Harness Type text string in the workspace.
- **Locked** - enable this option to protect the harness connector from being edited graphically.

> An object that has its **Locked** property enabled cannot be selected or graphically edited. Double-click on the locked object directly then disable the **Locked** property to graphically edit the object.

# Harness Entries Tab



*Harness Connector* dialog - **Harness Entries** tab

Use the dialog's **Harness Entries** tab to manage the connector's associated harness entries.

## Options/Controls

- *Harness Entries Grid* - the main region of the tab lists all of the harness entries currently defined for the harness connector in terms of:
  - **Entry** - the name of the harness entry. Change the name as required by clicking on the field to focus.
  - **Harness Type** - the Harness Type for the harness entry (where specified). This will typically be blank when a wire or bus is connected to the harness entry and is used only when another signal harness itself is connected. A Harness Type can be directly entered. Alternatively, the associated drop-down lists all currently defined Harness Types detected across the source schematic documents of the active project.

> When a harness entry is physically connected to another signal harness (facilitating nested signal harnesses), it will automatically inherit that harness's

> type. This type cannot be changed within the *Harness Entries Grid*.

- **Remove** - click this button to delete the selected harness entry(ies) from the list.

> ✅ Standard multi-select techniques are supported (**Ctrl+click**, **Shift+click**, **click&drag**).

- **Add** - click this button to add a new harness entry to the connector. The new entry will be added at the bottom of the list and be given the default name . The **Harness Type** entry will be left blank.

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