


Nets with Possible Connection Problems

Modified by Jason Howie on Jan 6, 2015

Parent category: [Violations Associated with Nets](#)

Default report mode:  Error

Summary

This violation occurs when two objects connected to each other on the same net have mismatched electrical types that could lead to problematic connectivity. The pair of object types considered by this error check can be any combination of pins, ports, or sheet entries. For example an Output Port connected to a Bidirectional Port.

Notification

If compiler errors and warnings are enabled for display on the schematic (enabled on the **Schematic - Compiler** page of the *Preferences* dialog) an offending object will display a colored squiggle beneath it. A notification is also displayed in the *Messages* panel in the following format:

`<NetName> contains <ObjectType1> and <ObjectType2> objects (<Reference>),`

where:

NetName is the name of the parent net containing the possible conflicting objects.

ObjectType1 is the first offending object type.

ObjectType2 is the second offending object type.


Reference is the identifier for one or both objects (e.g. Port PortName, Pin PinName, and Sheet EntrySheetSymbolName-SheetEntryName).

Recommendation for Resolution

With the violation selected in the *Messages* panel, use the **Details** region of the panel to cross probe to the offending objects. Determine if the connected objects pose a real connectivity problem and, if so, change the I/O specification for one or both objects accordingly.

Notes

1. The actual report mode used for a violation of this type is dependant on the specific object types, their electrical I/O types, and the corresponding reporting level defined on the **Connection Matrix** tab of the *Options for Project* dialog (**Project | Content |**

 Project Options).

2. The Report Mode setting on the **Error Reporting** tab of the *Options for Project* dialog has no affect on the Report Mode setting that appears for a violation of this type in the *Messages* panel. It is, however, used by the Online (real-time) error reporting, directly within the design workspace. Controls for the Online reporting are available on the **Schematic - Compiler** page of the *Preferences* dialog. Note that the Online error reporting for a specific object type-I/O type pairing will not be present if the individual check for that combination in the Connection Matrix has been set to No Report.

Source URL:

[http://documentation.circuitmaker.com/display/CMAK/WorkspaceManager_Err-NetsWithPossibleConnectionProblems\(\(Nets+with+Possible+Connection+Problems\)\)_CM](http://documentation.circuitmaker.com/display/CMAK/WorkspaceManager_Err-NetsWithPossibleConnectionProblems((Nets+with+Possible+Connection+Problems))_CM)