


Illegal Bus Range Values

Modified by Jason Howie on Oct 20, 2014

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

Default report mode:  Error

Summary

This violation occurs when at least one index in the syntax for a net associated with a bus is negative in value.

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:

Illegal bus range value `<BusLabel>` at `<Location>`,

where:

BusLabel is the defined bus labeling where the illegal value has been detected.

Location is the X,Y coordinates for the offending bus object's electrical hotspot.

Recommendation for Resolution

With the violation selected in the *Messages* panel, use the **Details** region of the panel to quickly cross probe to the offending net object (e.g. net label, port, sheet entry, etc) whose bus syntax is defined incorrectly. The correct syntax should appear in one of the following formats:

- `<NetName> [<LowerIndex> . . <UpperIndex>]`
- `<NetName> [<UpperIndex> . . <LowerIndex>]`

LowerIndex and *UpperIndex* can be zero or a positive integer, but can not be negative in value.

[http://documentation.circuitmaker.com/display/CMAK/WorkspaceManager_Err-IllegalBusRangeValues\(\(Illegal+Bus+Range+Values\)\)_CM](http://documentation.circuitmaker.com/display/CMAK/WorkspaceManager_Err-IllegalBusRangeValues((Illegal+Bus+Range+Values))_CM)