


## Bus Indices Out of Range

Modified by Jason Howie on Oct 20, 2014

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

Default report mode:  Warning

### Summary

This violation occurs when the index of a constituent net connected to a bus lies outside the range specified by the net to which the bus is associated.

### 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:

Bus index out of range on `<NetPrefix> Index = <NetIndex>`,

where:

*NetPrefix* is the prefix of the constituent net connected to the bus (e.g. A for net A8, connected to a bus associated to net A[0..7]).

*NetIndex* is the erroneous index of the constituent net (e.g. net A8 has an index of 8).

### Recommendation for Resolution

With the violation selected in the *Messages* panel, use the **Details** region of the panel to quickly cross probe to the net label associated with the offending net and either amend the index of the net so that it lies within the correct range, or rename the net altogether. The latter would be typical if you have named the net by mistake and it is not a constituent of the net transported by the bus object.

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#### Source URL:

[http://documentation.circuitmaker.com/display/CMAK/WorkspaceManager\\_Err-BusIndicesOutOfRange\(\(Bus+Indices+Out+of+Range\)\)\\_CM](http://documentation.circuitmaker.com/display/CMAK/WorkspaceManager_Err-BusIndicesOutOfRange((Bus+Indices+Out+of+Range))_CM)