


## Components with Duplicate Pins

Modified by Jason Howie on May 6, 2015

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

Default report mode:  Warning

### Summary

This violation occurs when two or more pins in a component have the same designator.

### 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:

Duplicate pins in component Pin <*Identifier1*> and Pin <*Identifier2*>,

where:

*Identifier1* is the identifier for the first instance of the duplicated pin, represented by the part designator-pin designator pairing

*Identifier2* is the identifier for the second instance of the duplicated pin, represented by the part designator-pin designator pairing.

### Recommendation for Resolution

Change the designator of the offending pin(s) accordingly, so that each has a unique assignment. Pin designators can be edited from within the Schematic Editor for a component that has already been placed. If the component pins are not locked, you can simply double-click on the pin and edit its designator in the associated *Pin Properties* dialog. Otherwise edit the pin(s) using the *Component Pin Editor* dialog - accessed from the *Component Properties* dialog by clicking the **Edit Pins** button.

Typically, the duplication will reside in the schematic symbol associated to the component. In this case you should edit the component, modify its associated schematic symbol, then commit the change as a new version of that component, back into the Community Vault.

### Notes

Only one error instance will be listed in the *Messages* panel for each distinct component. A component may well have more than two pins with the same designator, but when investigating the error using the **Details** region of the panel, only the first two duplicate pins (in alphabetical pin name

order) will be listed.

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