

This document addresses known errata and documentation issues for the SerialLite II MegaCore Function version 7.1. Errata are functional defects or errors, which may cause the SerialLite II MegaCore Function to deviate from published specifications. Documentation issues include errors, unclear descriptions, or omissions from current published specifications or product documents.



For the most up-to-date errata for this release, refer to the [SerialLite II MegaCore Function v7.1 Errata Sheet](#) on the Altera website.

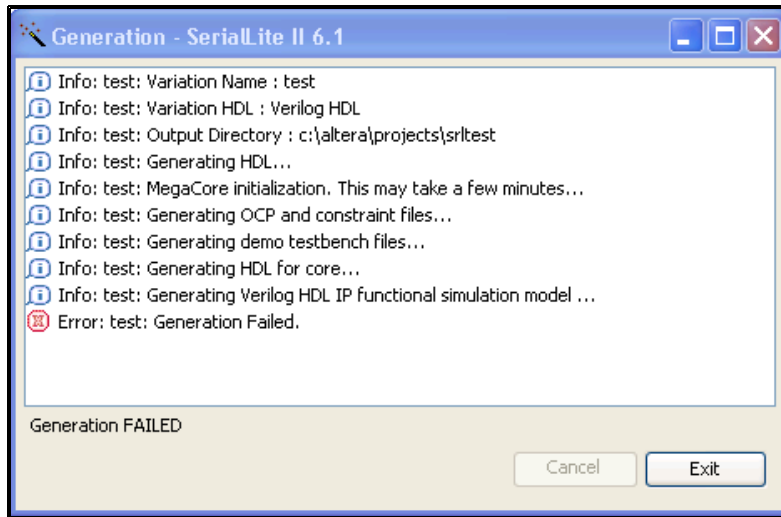
## SerialLite II MegaCore Function v7.1 Issues

Altera has identified the following issue that affects the SerialLite II MegaCore Function v7.1.

### **The Generation Fails or a Corrupted Variation Is Generated When the Asymmetric Broadcast Mode Is Used**

The SerialLite II MegaCore function fails to generate or generates corrupted variations that use the broadcast mode in an asymmetric configuration.

If the state machine is not self-synchronized, the syntax error shown in [Figure 1](#) appears and the generation fails. If the state machine is self-synchronized, an invalid configuration is generated, data is corrupted, and the testbench fails.

**Figure 1. Syntax Error Message**

### *Affected Configurations*

This issue affects configurations that use the broadcast mode and for which the transmitter number of lanes does not equal the receiver number of lanes (asymmetric).

### *Design Impact*

If the state machine is not self-synchronized, the syntax error shown in [Figure 1](#) appears and the generation fails. If the state machine is self-synchronized, an invalid configuration is generated, data is corrupted, and the testbench fails.

### *Workaround*

If the self-synchronized state machine is required, use the MegaWizard interface to generate a transmitter-only broadcast variation. Use the MegaWizard interface again to generate a single lane receiver-only self-synchronized variation. Then instantiate as many of these receiver variations as required to match the number of lanes needed.



You cannot select options such as retry-on-error and flow control for your workaround variation.

If self-synchronized state machine is not required, there is no workaround other than to use a self-synchronized state machine and configure the system as previously described.

*Solution Status*

This issue will be fixed in a future release of the SerialLite II MegaCore function.

**Contact Information**

For more information, contact Altera's mySupport website at [www.altera.com/mysupport](http://www.altera.com/mysupport) and click **Create New Service Request**. Choose the **Product Related Request** form.

**Revision History**

Table 1 shows the revision history for the *SerialLite II MegaCore Function v7.1 Errata Sheet*.

<i>Table 1. SerialLite II MegaCore Function v7.1 Errata Sheet Revision History</i>		
<b>Version</b>	<b>Date</b>	<b>Errata Summary</b>
1.0	May 2007	First release.



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