

Introduction

This errata sheet provides updated information on HardCopy® Stratix® devices. This document addresses known device issues and includes methods to work around these issues.

Table 1 shows the specific issues and which HardCopy Stratix devices are affected by each issue.

<i>Table 1. Hardcopy Stratix Family Issues</i>		
Issue	Affected Devices	Fixed Devices
Incorrect device IDCODE reported when using instant on after 50 ms power-up mode	HC1S25, HC1S40, HC1S80	HC1S30, HC1S60

HC1S25, HC1S40 & HC1S80 Incorrect Device IDCODE Issue

If the instant on after 50 ms power-up mode is used in HC1S25, HC1S40, and HC1S80 devices, the device will read out an incorrect device IDCODE. The device IDCODE is a 32-bit value that can be read out of the device by issuing the IDCODE JTAG instruction. The device IDCODE can be used to identify the device.

When using the instant on power-up mode, all HardCopy Stratix devices will read out the correct device IDCODE.

No other device issues exist when using the instant on after 50 ms power-up mode.

If it is not important in the application to read out the correct device IDCODE, then the instant on after 50 ms power-up mode can be used without any issues. This must be acknowledged upon transfer of the designs to Altera.



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