



Product Change Notification

Change Notification #: 118600-00
Change Title: Select Intel® Stratix® 10 FPGA devices,
PCN 118600-00, Software,
Intel® Quartus® Prime Pro Software Update
Date of Publication: October 20, 2021

Key Characteristics of the Change:

Software

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material	October 20, 2021
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Description of Change to the Customer:

This is the same change described in ADV2137 issued on October 15, 2021.

Intel is notifying customers of an important update to Intel® Quartus® Prime Pro edition software version 20.3, 20.4, and 21.1.

Table 1

Update Details	KDB Article link
<ul style="list-style-type: none">• Due to a problem in the Intel® Quartus® Prime Pro Edition Software versions 20.3, 20.4, and 21.1, you may see hardware failures when using the DSP blocks in Intel® Stratix® 10 devices.• This problem is due to optimizations made during the Fitter Place stage while unpacking registers from the DSP block which results in functional mismatch between the expected data and the observed data.• This problem is fixed beginning with version 21.2 of the Intel Quartus Prime Pro Edition Software.• For further details, recommended actions, and patch links, refer to the Knowledge Base (KDB) link.	Why are there functional errors in hardware when using Intel® Stratix® 10 FPGA DSP blocks?

Customer Impact of Change and Recommended Action:

Patches for the issue described in this customer advisory are available now. Refer to the KDB link in table 1.

For designs that have already been completed using the Intel Quartus Prime Pro Edition Software versions 20.3, 20.4, or 21.1, submit a request at the My Intel support page and reference Bug ID 14015146105

For questions or support, please contact your local Sales representative, or submit a question or request at the My Intel support page, log-in via:

<https://www.intel.com/content/www/us/en/my-intel/fpga-sign-in.html>

Products Affected/Intel Ordering Codes:

All Intel Stratix 10 Devices

The list of affected part numbers (OPNs) can be downloaded in Excel form:

<https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/adv2137-opn-list.xlsx>

PCN Revision History:

Date of Revision:

October 20, 2021

Revision Number:

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Reason:

Originally Published PCN



Product Change Notification

118600-00

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Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

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