



Product Change Notification

Change Notification #: 119059-00
Change Title: Intel® Agilex™ Device family,
PCN 119059-00, Documentation,
Documentation Updates
Date of Publication: May 06, 2022

Key Characteristics of the Change:

Documentation

Forecasted Key Milestones:

Milestone	Availability
Intel® Agilex™ Device Data Sheet Update	Now
Intel® Agilex™ Power Management User Guide Update	Now
Intel® Agilex™ Device Family Pin Connection Guidelines Update	Now
Intel® Agilex™ Device Design Guidelines	Now
Intel® Agilex™ Power Distribution Network Design Guidelines	Now
Intel® Agilex™ Device Schematic Review Worksheet	Now

Description of Change to the Customer:

This is the same change described in ADV2212 issued on April 29, 2022.

Intel is notifying customers of important updates to Intel® Agilex™ Device Documentation. Refer to Table 1 for the list of major updates and further details.

Table 1

S#	Update details	Updated Resource Links
1)	Intel® Agilex™ Device Data Sheet	<ul style="list-style-type: none">Removed R31A package in the Data Sheet Status for Intel Agilex Devices (I-Series) table. Refer to Table 2 of Page 3.Updated footnote to VCCBAT in the Recommended Operating Conditions for Intel Agilex Devices table. Refer to Table 7 of Page 12.Changed the symbol from VCCR_CORE to VCCRCORE in the following tables: —<ul style="list-style-type: none">Absolute Maximum Rating for Intel Agilex Devices. Refer to Table 4 of Page 5.Recommended Operating Conditions for Intel Agilex Devices. Refer to Table 7 of Page 11.

2)	<u>Intel® Agilex™ Power Management User Guide</u>	<ul style="list-style-type: none"> Updated the Power-Up Sequence Requirements section to include details for the VCCBAT power supply. Refer to Page 9. Removed the VCCBAT power supply from the Power Supplies Monitored by the POR Circuitry section. Refer to Page 11.
3)	<u>Intel® Agilex™ Device Family Pin Connection Guidelines</u>	<ul style="list-style-type: none"> Updated the connection guidelines of the VCCBAT pin. Refer to Table 11 of Page 17. Removed the VCCBAT power supply from the following examples: <ul style="list-style-type: none"> — Example 1—Power Supply Sharing Guidelines for Intel Agilex Devices with P-Tile and E-Tile Transceivers. Refer to Page 61. — Example 2—Power Supply Sharing Guidelines for Intel Agilex Devices with F-Tile and R-Tile Transceivers. Refer to Page 65.
4)	<u>Intel® Agilex™ Device Design Guidelines</u>	<ul style="list-style-type: none"> Removed sentence in the Device Power-Up section. Refer to Page 77.
5)	<u>Intel Agilex Power Distribution Network Design Guidelines</u>	<ul style="list-style-type: none"> Updated Figure 1: Recommended Intel Agilex AGF014 (with only E-Tile and P-Tile) Power Tree for Engineering Sample (ES) Silicon. Refer to Page 6. Updated Figure 2: Recommended Intel Agilex AGF Devices (with only E-Tile and P-Tile) Power Tree for Production Devices. Refer to Page 7. Updated Figure 3: Recommended Intel Agilex AGI or AGF (with only F-Tile, R-Tile, or both F-Tile and R-Tile) Power Tree for Production Silicon. Refer to Page 9. Updated the VCCBAT board connections and system connections in Table: Intel Agilex AGF (with only E-Tile and P-Tile), Intel Agilex AGF (with only F-Tile), and Intel Agilex AGI (with only F-Tile, RTile, or both) FPGA Package Power Rail Nets and Subsystem Details. Refer to Table 2 of Page 11. Updated Table: Intel Agilex AGF012/AGF014, Intel Agilex AGI027/AGI023/AGI022, and Intel Agilex AGF027/AGF023/AGF022 FPGA Decoupling Capacitors Summary. Refer to Table 9 of Page 19
6)	<u>Agilex Device Schematic Review Worksheet</u>	<ul style="list-style-type: none"> Updated the connection guidelines of the VCCBAT pin. Refer to Table 2-2 of Page 11.

Customer Impact of Change and Recommended Action:

Customers are requested to review the changes and determine the impact on their designs. Refer to the revision history of the updated documents for a complete list and history of updates.

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® Agilex™ Devices.

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

<https://www.intel.com/content/dam/support/us/en/programmable/support-resources/bulk-container/pdfs/literature/pcn/adv2212-opn-list.xlsx>

PCN Revision History:

Date of Revision:	Revision Number:	Reason:
May 06, 2022	00	Originally Published PCN



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No response from customers will be deemed an acceptance of the change, and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

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.

Americas Contact: asmo.pcn@intel.com

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