



# PRODUCT DISCONTINUANCE NOTIFICATION

## PDN1926

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***This is not a new issuance. This is an update (rev 1.1.0) to correct a typo error. Please refer to the Revision History section in page 2 for details.***

### Description

Intel Programmable Solutions Group ("Intel PSG", formerly Altera) is discontinuing the following Field Programmable Gate Array (FPGA) Flip Chip products that currently use leaded solder bumps on the first level interconnect:

- Arria II
- Arria V (< 365 KLEs)
- Stratix III ( $\leq$  70 KLEs)
- Stratix IV ( $\leq$  110 KLEs)

### Reason for Change

This discontinuance is in accordance with [ADV1828](#), which details an update to the EU Restriction of Hazardous Substances (RoHS) Directive Exemption 15. The change will affect FPGA Flip Chip products that currently use leaded solder bumps on the first level interconnect.

Customers are advised to migrate to part numbers compliant with the latest change in the EU RoHS Directive Exemption 15 (designated with a "G" suffix <sup>see Note 1</sup>) or perform a last time buy on non-compliant products (designated with a "N" suffix) impacted by this discontinuance notice.

#### Note 1:

*The "G" suffix part numbers use the same silicon, product specifications, and are generally form, fit and function equivalent to the "N" suffix part numbers.*

*Stratix III and Arria II GX (lidless) have changes to the package. Please refer to the notes section in the list of affected products.*

## Key Obsolescence Dates

Device Family	Last Order Acceptance <sup>(1)</sup>	Last Time Shipments
Arria II GX	Aug 28, 2019	Feb 28, 2020
Arria V (< 365 KLEs)	Aug 28, 2019	Feb 28, 2020
Stratix III ( $\leq$ 70 KLEs)	Aug 28, 2019	Feb 28, 2020
Stratix IV ( $\leq$ 110 KLEs)	Aug 28, 2019	Feb 28, 2020

<sup>(1)</sup>Orders will become non-cancellable, non-reschedule, non-returnable on the last order acceptance date.

## Products Affected

The list of affected Ordering Part Numbers (OPNs) can be downloaded here:

<https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/pdn1926-opn-list.xlsx> or refer to Attachment 1A – 1D.

Please refer to the contact information provided below for any questions or requests for assistance.

## Contact

For more information and assistance, please contact Sales or Customer Service in your region.

## Customer Notifications Subscription

Customers that have subscribed to Intel PSG's customer notification mailing list will receive updates automatically via email.

If you would like to receive customer notifications by email, please subscribe to our customer notification mailing list at

<https://www.intel.com/content/www/us/en/programmable/my-intel/mal-emailsub/technical-updates.html>

## Revision History

Date	Rev	Description
02/28/2019	1.0.0	Initial Release
08/02/2019	1.1.0	Correct typo error on affected product family Stratix III scope from "< 70 KLEs" to " $\leq$ 70 KLEs".

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## Attachment 1A Affected Ordering Part Numbers (OPNs) – Arria II GX

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
EP2AGX45DF25C4N	EP2AGX45DF25C4G
EP2AGX45DF25C5N	EP2AGX45DF25C5G
EP2AGX45DF25C6N	EP2AGX45DF25C6G
EP2AGX45DF29C4N	EP2AGX45DF29C4G
EP2AGX45DF29C5N	EP2AGX45DF29C5G
EP2AGX45DF29C6N	EP2AGX45DF29C6G
EP2AGX65DF25C4N	EP2AGX65DF25C4G
EP2AGX65DF25C5N	EP2AGX65DF25C5G
EP2AGX65DF25C6N	EP2AGX65DF25C6G
EP2AGX65DF29C4N	EP2AGX65DF29C4G
EP2AGX65DF29C5N	EP2AGX65DF29C5G
EP2AGX65DF29C6N	EP2AGX65DF29C6G
EP2AGX95DF25C4N	EP2AGX95DF25C4G
EP2AGX95DF25C5N	EP2AGX95DF25C5G
EP2AGX95DF25C6N	EP2AGX95DF25C6G
EP2AGX95EF29C4N	EP2AGX95EF29C4G
EP2AGX95EF29C5N	EP2AGX95EF29C5G
EP2AGX95EF29C6N	EP2AGX95EF29C6G
EP2AGX95EF35C4N	EP2AGX95EF35C4G
EP2AGX95EF35C5N	EP2AGX95EF35C5G
EP2AGX95EF35C6N	EP2AGX95EF35C6G
EP2AGX125DF25C4N	EP2AGX125DF25C4G
EP2AGX125DF25C5N	EP2AGX125DF25C5G
EP2AGX125DF25C6N	EP2AGX125DF25C6G
EP2AGX125EF29C4N	EP2AGX125EF29C4G
EP2AGX125EF29C5N	EP2AGX125EF29C5G
EP2AGX125EF29C6N	EP2AGX125EF29C6G
EP2AGX125EF35C4N	EP2AGX125EF35C4G
EP2AGX125EF35C5N	EP2AGX125EF35C5G
EP2AGX125EF35C6N	EP2AGX125EF35C6G
EP2AGX190EF29C5N	EP2AGX190EF29C5G
EP2AGX190EF29C6N	EP2AGX190EF29C6G
EP2AGX190FF35C5N	EP2AGX190FF35C5G
EP2AGX190FF35C6N	EP2AGX190FF35C6G
EP2AGX260EF29C5N	EP2AGX260EF29C5G
EP2AGX260EF29C6N	EP2AGX260EF29C6G
EP2AGX260FF35C5N	EP2AGX260FF35C5G
EP2AGX260FF35C6N	EP2AGX260FF35C6G
EP2AGX190EF29C4N	EP2AGX190EF29C4G
EP2AGX190FF35C4N	EP2AGX190FF35C4G

## Affected Ordering Part Numbers (OPNs) – Arria II GX (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
EP2AGX260EF29C4N	EP2AGX260EF29C4G
EP2AGX260FF35C4N	EP2AGX260FF35C4G
EP2AGX45CU17I5N	EP2AGX45CU17I5G
EP2AGX45DF25I5N	EP2AGX45DF25I5G
EP2AGX45DF29I5N	EP2AGX45DF29I5G
EP2AGX65CU17I5N	EP2AGX65CU17I5G
EP2AGX65DF25I5N	EP2AGX65DF25I5G
EP2AGX65DF29I5N	EP2AGX65DF29I5G
EP2AGX95DF25I5N	EP2AGX95DF25I5G
EP2AGX95EF29I5N	EP2AGX95EF29I5G
EP2AGX95EF35I5N	EP2AGX95EF35I5G
EP2AGX125DF25I5N	EP2AGX125DF25I5G
EP2AGX125EF29I5N	EP2AGX125EF29I5G
EP2AGX125EF35I5N	EP2AGX125EF35I5G
EP2AGX190EF29I5N	EP2AGX190EF29I5G
EP2AGX190FF35I5N	EP2AGX190FF35I5G
EP2AGX260EF29I5N	EP2AGX260EF29I5G
EP2AGX260FF35I5N	EP2AGX260FF35I5G
EP2AGX45CU17C4N	EP2AGX45CU17C4G
EP2AGX45CU17C5N	EP2AGX45CU17C5G
EP2AGX45CU17C6N	EP2AGX45CU17C6G
EP2AGX65CU17C4N	EP2AGX65CU17C4G
EP2AGX65CU17C5N	EP2AGX65CU17C5G
EP2AGX65CU17C6N	EP2AGX65CU17C6G
EP2AGX65DF29I3N	EP2AGX65DF29I3G
EP2AGX65DM17I6N	EP2AGX65DM17I6G
EP2AGX65DF25I3N	EP2AGX65DF25I3G
EP2AGX260FF35I3N	EP2AGX260FF35I3G
EP2AGX95EF29I3N	EP2AGX95EF29I3G
EP2AGX125EF29I3N	EP2AGX125EF29I3G
EP2AGX95EF35I3N	EP2AGX95EF35I3G
EP2AGX125EF35I3N	EP2AGX125EF35I3G
EP2AGX190FF35I3N	EP2AGX190FF35I3G
EP2AGX260EF29I3N	EP2AGX260EF29I3G
EP2AGX190EF29I3N	EP2AGX190EF29I3G
EP2AGX125DF25I3N	EP2AGX125DF25I3G
EP2AGX95DF25I3N	EP2AGX95DF25I3G
EP2AGX45DF25I3N	EP2AGX45DF25I3G
EP2AGX45DF29I3N	EP2AGX45DF29I3G
EP2AGX45CU17I3N	EP2AGX45CU17I3G

## Affected Ordering Part Numbers (OPNs) – Arria II GX (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
EP2AGX65CU17I3N	EP2AGX65CU17I3G
EP2AGXF35NAA	Contact Sales
EP2AGXF35NAB	Contact Sales
EP2AGX65DF29I3NAA	Contact Sales
EP2AGXF35NAD	Contact Sales
EP2AGX65DM17I6NAA	Contact Sales
EP2AGX45DF25C6NGA	Contact Sales
EP2AGX190EF29I3NGA	Contact Sales
EP2AGX190FF35I3NAA	Contact Sales
EP2AGX260FF35I3NAA	Contact Sales
EP2AGX190FF35C4NAA	Contact Sales
EP2AGX65CU17I5NAA	Contact Sales
EP2AGXEF29I3NAB	Contact Sales
EP2AGX125EF29I5NGB	Contact Sales
EP2AGX45DF29I3NAC	Contact Sales
EP2AGX45DF29I3NAD	Contact Sales
EP2AGXF35NAH	Contact Sales
EP2AGX190FF35C5NAA	Contact Sales
EP2AGX95EF29C6NGA	Contact Sales
EP2AGX190FF35I3NGC	Contact Sales
EP2AGX260FF35I3NGA	Contact Sales
EP2AGX260FF35I3NAB	Contact Sales
EP2AGX125DF25I5NAA	Contact Sales
EP2AGXDF29I3NGB	Contact Sales

## Attachment 1B Affected Ordering Part Numbers (OPNs) – Arria V

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
5AGXMA1D4F27C4N	5AGXMA1D4F27C4G
5AGXMA1D4F27C5N	5AGXMA1D4F27C5G
5AGXMA1D6F27C6N	5AGXMA1D6F27C6G
5AGXMA1D4F27I5N	5AGXMA1D4F27I5G
5AGXMA3D4F27C4N	5AGXMA3D4F27C4G
5AGXMA3D4F27C5N	5AGXMA3D4F27C5G
5AGXMA3D6F27C6N	5AGXMA3D6F27C6G
5AGXMA3D4F27I5N	5AGXMA3D4F27I5G
5AGXFA5H4F35C4N	5AGXFA5H4F35C4G
5AGXFA5H4F35C5N	5AGXFA5H4F35C5G
5AGXFA5H6F35C6N	5AGXFA5H6F35C6G
5AGXFA5H4F35I5N	5AGXFA5H4F35I5G
5AGXFA7H4F35C4N	5AGXFA7H4F35C4G
5AGXFA7H4F35C5N	5AGXFA7H4F35C5G
5AGXFA7H6F35C6N	5AGXFA7H6F35C6G
5AGXFA7H4F35I5N	5AGXFA7H4F35I5G
5AGXFB1H4F35C4N	5AGXFB1H4F35C4G
5AGXFB1H4F35C5N	5AGXFB1H4F35C5G
5AGXFB1H6F35C6N	5AGXFB1H6F35C6G
5AGXFB1H4F35I5N	5AGXFB1H4F35I5G
5AGXFB1H4F40C4N	5AGXFB1H4F40C4G
5AGXFB1H4F40C5N	5AGXFB1H4F40C5G
5AGXFB1H6F40C6N	5AGXFB1H6F40C6G
5AGXFB1H4F40I5N	5AGXFB1H4F40I5G
5AGXFB3H4F35C4N	5AGXFB3H4F35C4G
5AGXFB3H4F35C5N	5AGXFB3H4F35C5G
5AGXFB3H6F35C6N	5AGXFB3H6F35C6G
5AGXFB3H4F35I5N	5AGXFB3H4F35I5G
5AGXFB3H4F40C4N	5AGXFB3H4F40C4G
5AGXFB3H4F40C5N	5AGXFB3H4F40C5G
5AGXFB3H6F40C6N	5AGXFB3H6F40C6G
5AGXFB3H4F40I5N	5AGXFB3H4F40I5G
5AGXBA1D4F27C4N	5AGXBA1D4F27C4G
5AGXBA1D4F27C5N	5AGXBA1D4F27C5G
5AGXBA1D6F27C6N	5AGXBA1D6F27C6G
5AGXBA1D4F27I5N	5AGXBA1D4F27I5G
5AGXBA1D4F31C4N	5AGXBA1D4F31C4G
5AGXBA1D4F31C5N	5AGXBA1D4F31C5G
5AGXBA1D6F31C6N	5AGXBA1D6F31C6G
5AGXBA1D4F31I5N	5AGXBA1D4F31I5G

## Affected Ordering Part Numbers (OPNs) – Arria V (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
5AGXBA3D4F27C4N	5AGXBA3D4F27C4G
5AGXBA3D4F27C5N	5AGXBA3D4F27C5G
5AGXBA3D6F27C6N	5AGXBA3D6F27C6G
5AGXBA3D4F27I5N	5AGXBA3D4F27I5G
5AGXBA3D4F31C4N	5AGXBA3D4F31C4G
5AGXBA3D4F31C5N	5AGXBA3D4F31C5G
5AGXBA3D6F31C6N	5AGXBA3D6F31C6G
5AGXBA3D4F31I5N	5AGXBA3D4F31I5G
5AGXBA5D4F27C4N	5AGXBA5D4F27C4G
5AGXBA5D4F27C5N	5AGXBA5D4F27C5G
5AGXBA5D6F27C6N	5AGXBA5D6F27C6G
5AGXBA5D4F27I5N	5AGXBA5D4F27I5G
5AGXMA5D4F27C4N	5AGXMA5D4F27C4G
5AGXMA5D4F27C5N	5AGXMA5D4F27C5G
5AGXMA5D6F27C6N	5AGXMA5D6F27C6G
5AGXMA5D4F27I5N	5AGXMA5D4F27I5G
5AGXBA5D4F31C4N	5AGXBA5D4F31C4G
5AGXBA5D4F31C5N	5AGXBA5D4F31C5G
5AGXBA5D6F31C6N	5AGXBA5D6F31C6G
5AGXBA5D4F31I5N	5AGXBA5D4F31I5G
5AGXMA5G4F31C4N	5AGXMA5G4F31C4G
5AGXMA5G4F31C5N	5AGXMA5G4F31C5G
5AGXMA5G6F31C6N	5AGXMA5G6F31C6G
5AGXMA5G4F31I5N	5AGXMA5G4F31I5G
5AGXBA5D4F35C4N	5AGXBA5D4F35C4G
5AGXBA5D4F35C5N	5AGXBA5D4F35C5G
5AGXBA5D6F35C6N	5AGXBA5D6F35C6G
5AGXBA5D4F35I5N	5AGXBA5D4F35I5G
5AGXMA5G4F35C4N	5AGXMA5G4F35C4G
5AGXMA5G4F35C5N	5AGXMA5G4F35C5G
5AGXMA5G6F35C6N	5AGXMA5G6F35C6G
5AGXMA5G4F35I5N	5AGXMA5G4F35I5G
5AGXBA7D4F27C4N	5AGXBA7D4F27C4G
5AGXBA7D4F27C5N	5AGXBA7D4F27C5G
5AGXBA7D6F27C6N	5AGXBA7D6F27C6G
5AGXBA7D4F27I5N	5AGXBA7D4F27I5G
5AGXMA7D4F27C4N	5AGXMA7D4F27C4G
5AGXMA7D4F27C5N	5AGXMA7D4F27C5G
5AGXMA7D6F27C6N	5AGXMA7D6F27C6G
5AGXMA7D4F27I5N	5AGXMA7D4F27I5G

## Affected Ordering Part Numbers (OPNs) – Arria V (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
5AGXBA7D4F31C4N	5AGXBA7D4F31C4G
5AGXBA7D4F31C5N	5AGXBA7D4F31C5G
5AGXBA7D6F31C6N	5AGXBA7D6F31C6G
5AGXBA7D4F31I5N	5AGXBA7D4F31I5G
5AGXMA7G4F31C4N	5AGXMA7G4F31C4G
5AGXMA7G4F31C5N	5AGXMA7G4F31C5G
5AGXMA7G6F31C6N	5AGXMA7G6F31C6G
5AGXMA7G4F31I5N	5AGXMA7G4F31I5G
5AGXBA7D4F35C4N	5AGXBA7D4F35C4G
5AGXBA7D4F35C5N	5AGXBA7D4F35C5G
5AGXBA7D6F35C6N	5AGXBA7D6F35C6G
5AGXBA7D4F35I5N	5AGXBA7D4F35I5G
5AGXMA7G4F35C4N	5AGXMA7G4F35C4G
5AGXMA7G4F35C5N	5AGXMA7G4F35C5G
5AGXMA7G6F35C6N	5AGXMA7G6F35C6G
5AGXMA7G4F35I5N	5AGXMA7G4F35I5G
5AGXBB1D4F31C4N	5AGXBB1D4F31C4G
5AGXBB1D4F31C5N	5AGXBB1D4F31C5G
5AGXBB1D6F31C6N	5AGXBB1D6F31C6G
5AGXBB1D4F31I5N	5AGXBB1D4F31I5G
5AGXMB1G4F31C4N	5AGXMB1G4F31C4G
5AGXMB1G4F31C5N	5AGXMB1G4F31C5G
5AGXMB1G6F31C6N	5AGXMB1G6F31C6G
5AGXMB1G4F31I5N	5AGXMB1G4F31I5G
5AGXBB1D4F35C4N	5AGXBB1D4F35C4G
5AGXBB1D4F35C5N	5AGXBB1D4F35C5G
5AGXBB1D6F35C6N	5AGXBB1D6F35C6G
5AGXBB1D4F35I5N	5AGXBB1D4F35I5G
5AGXMB1G4F35C4N	5AGXMB1G4F35C4G
5AGXMB1G4F35C5N	5AGXMB1G4F35C5G
5AGXMB1G6F35C6N	5AGXMB1G6F35C6G
5AGXMB1G4F35I5N	5AGXMB1G4F35I5G
5AGXBB1D4F40C4N	5AGXBB1D4F40C4G
5AGXBB1D4F40C5N	5AGXBB1D4F40C5G
5AGXBB1D6F40C6N	5AGXBB1D6F40C6G
5AGXBB1D4F40I5N	5AGXBB1D4F40I5G
5AGXMB1G4F40C4N	5AGXMB1G4F40C4G
5AGXMB1G4F40C5N	5AGXMB1G4F40C5G
5AGXMB1G6F40C6N	5AGXMB1G6F40C6G
5AGXMB1G4F40I5N	5AGXMB1G4F40I5G



## Affected Ordering Part Numbers (OPNs) – Arria V (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
5AGXBB3D4F31C4N	5AGXBB3D4F31C4G
5AGXBB3D4F31C5N	5AGXBB3D4F31C5G
5AGXBB3D6F31C6N	5AGXBB3D6F31C6G
5AGXBB3D4F31I5N	5AGXBB3D4F31I5G
5AGXMB3G4F31C4N	5AGXMB3G4F31C4G
5AGXMB3G4F31C5N	5AGXMB3G4F31C5G
5AGXMB3G6F31C6N	5AGXMB3G6F31C6G
5AGXMB3G4F31I5N	5AGXMB3G4F31I5G
5AGXBB3D4F35C4N	5AGXBB3D4F35C4G
5AGXBB3D4F35C5N	5AGXBB3D4F35C5G
5AGXBB3D6F35C6N	5AGXBB3D6F35C6G
5AGXBB3D4F35I5N	5AGXBB3D4F35I5G
5AGXMB3G4F35C4N	5AGXMB3G4F35C4G
5AGXMB3G4F35C5N	5AGXMB3G4F35C5G
5AGXMB3G6F35C6N	5AGXMB3G6F35C6G
5AGXMB3G4F35I5N	5AGXMB3G4F35I5G
5AGXBB3D4F40C4N	5AGXBB3D4F40C4G
5AGXBB3D4F40C5N	5AGXBB3D4F40C5G
5AGXBB3D6F40C6N	5AGXBB3D6F40C6G
5AGXBB3D4F40I5N	5AGXBB3D4F40I5G
5AGXMB3G4F40C4N	5AGXMB3G4F40C4G
5AGXMB3G4F40C5N	5AGXMB3G4F40C5G
5AGXMB3G6F40C6N	5AGXMB3G6F40C6G
5AGXMB3G4F40I5N	5AGXMB3G4F40I5G
5AGTMD3G3F31I5N	5AGTMD3G3F31I5G
5AGTFD3H3F35I5N	5AGTFD3H3F35I5G
5AGTFD3H3F40I5N	5AGTFD3H3F40I5G
5AGXMB3E4F29I5N	5AGXMB3E4F29I5G
5AGTFC7H3F35I3N	5AGTFC7H3F35I3G
5AGTFC7H3F35I5N	5AGTFC7H3F35I5G
5AGTFD3H3F35I3N	5AGTFD3H3F35I3G
5AGTFD3H3F40I3N	5AGTFD3H3F40I3G
5AGTMC3D3F27I3N	5AGTMC3D3F27I3G
5AGTMC3D3F27I5N	5AGTMC3D3F27I5G
5AGTMC3D3F31I3N	5AGTMC3D3F31I3G
5AGTMC3D3F31I5N	5AGTMC3D3F31I5G
5AGTMC7G3F31I3N	5AGTMC7G3F31I3G
5AGTMC7G3F31I5N	5AGTMC7G3F31I5G
5AGTMD3G3F31I3N	5AGTMD3G3F31I3G
5AGXMA1D4F31C4N	5AGXMA1D4F31C4G

## Affected Ordering Part Numbers (OPNs) – Arria V (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
5AGXMA1D4F31C5N	5AGXMA1D4F31C5G
5AGXMA1D6F31C6N	5AGXMA1D6F31C6G
5AGXMA1D4F31I5N	5AGXMA1D4F31I5G
5AGXMA3D4F31I5N	5AGXMA3D4F31I5G
5AGXMA3D6F31C6N	5AGXMA3D6F31C6G
5AGXMA3D4F31C5N	5AGXMA3D4F31C5G
5AGXMA3D4F31C4N	5AGXMA3D4F31C4G
5AGXFB1H4F40I3N	5AGXFB1H4F40I3G
5AGXFB1H4F35I3N	5AGXFB1H4F35I3G
5AGXFB3H4F35I3N	5AGXFB3H4F35I3G
5AGXFB3H4F40I3N	5AGXFB3H4F40I3G
5AGXMA1D4F27I3N	5AGXMA1D4F27I3G
5AGXMA3D4F27I3N	5AGXMA3D4F27I3G
5AGXMA5G4F31I3N	5AGXMA5G4F31I3G
5AGXMA7G4F31I3N	5AGXMA7G4F31I3G
5AGXMA7D4F27I3N	5AGXMA7D4F27I3G
5AGXMB1G4F31I3N	5AGXMB1G4F31I3G
5AGXMB3G4F31I3N	5AGXMB3G4F31I3G
5AGXFA5H4F35I3N	5AGXFA5H4F35I3G
5AGXFA7H4F35I3N	5AGXFA7H4F35I3G
5AGXMA3D4F31I3N	5AGXMA3D4F31I3G
5AGXMA1D4F31I3N	5AGXMA1D4F31I3G
5AGXMA5D4F27I3N	5AGXMA5D4F27I3G
5AGTFH3F35I3NAB	Contact Sales
5AGTMD3G3F31I3NAA	Contact Sales
5AGXMG4F31I5NAA	Contact Sales
5AGXMB3E4F29I5NAA	Contact Sales
5AGXMA7G4F31I5NAB	Contact Sales
5AGXMG4F31I3NGA	Contact Sales
5AGTFC7H3F35I3NAA	Contact Sales
5AGTFD3H3F35I3NAA	Contact Sales
5AGXFB3H4F35I5NAB	Contact Sales
5AGTFC7H3F35I3NAC	Contact Sales
5AGTMD3G3F31I3NAB	Contact Sales
5AGXFF35C6NAA	Contact Sales
5AGXFB3H4F40I3NAA	Contact Sales
5AGXBB1D4F35C4NAA	Contact Sales
5AGXBA7D4F35C4NAA	Contact Sales
5AGTFC7H3F35I3NAD	Contact Sales
5AGTFD3H3F40I3NGA	Contact Sales

## Affected Ordering Part Numbers (OPNs) – Arria V (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
5AGXA3F31I3NAC	Contact Sales
5AGXA5F35I3NAD	Contact Sales
5AGXA7F35I3NAC	Contact Sales
5AGTFD3H3F40I3NAA	Contact Sales
5AGXF27NDV	Contact Sales
5AGXF35I3NAC	Contact Sales
5AGXF27NDW	Contact Sales
5AGXF27NAB	Contact Sales
5AGXFB3H4F35I3NGA	Contact Sales
5AGXFB1H4F35C4NGA	Contact Sales
5AGXF31NTI	Contact Sales
5AGXFA5H4F35I5NGA	Contact Sales

## Attachment 1C

### Affected Ordering Part Numbers (OPNs) – Stratix III

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
EP3SL50F484C2N	EP3SL50F484C2G
EP3SL50F484C3N	EP3SL50F484C3G
EP3SL50F484C4N	EP3SL50F484C4G
EP3SL50F484C4LN	EP3SL50F484C4LG
EP3SL50F780C2N	EP3SL50F780C2G
EP3SL50F780C3N	EP3SL50F780C3G
EP3SL50F780C4N	EP3SL50F780C4G
EP3SL50F780C4LN	EP3SL50F780C4LG
EP3SL70F484C2N	EP3SL70F484C2G
EP3SL70F484C3N	EP3SL70F484C3G
EP3SL70F484C4N	EP3SL70F484C4G
EP3SL70F484C4LN	EP3SL70F484C4LG
EP3SL70F780C2N	EP3SL70F780C2G
EP3SL70F780C3N	EP3SL70F780C3G
EP3SL70F780C4N	EP3SL70F780C4G
EP3SL70F780C4LN	EP3SL70F780C4LG
EP3SL50F484I3N	EP3SL50F484I3G
EP3SL50F484I4LN	EP3SL50F484I4LG
EP3SL50F780I3N	EP3SL50F780I3G
EP3SL50F780I4LN	EP3SL50F780I4LG
EP3SL70F484I3N	EP3SL70F484I3G
EP3SL70F484I4LN	EP3SL70F484I4LG
EP3SL70F780I3N	EP3SL70F780I3G
EP3SL70F780I4LN	EP3SL70F780I4LG
EP3SE50F484C2N	EP3SE50F484C2G
EP3SE50F484C3N	EP3SE50F484C3G
EP3SE50F484C4N	EP3SE50F484C4G
EP3SE50F484C4LN	EP3SE50F484C4LG
EP3SE50F484I3N	EP3SE50F484I3G
EP3SE50F484I4LN	EP3SE50F484I4LG
EP3SE50F780C2N	EP3SE50F780C2G
EP3SE50F780C3N	EP3SE50F780C3G
EP3SE50F780C4N	EP3SE50F780C4G
EP3SE50F780C4LN	EP3SE50F780C4LG
EP3SE50F780I3N	EP3SE50F780I3G
EP3SE50F780I4LN	EP3SE50F780I4LG
EP3SL50F484I4N	EP3SL50F484I4G
EP3SL50F780I4N	EP3SL50F780I4G
EP3SL70F484I4N	EP3SL70F484I4G
EP3SL70F780I4N	EP3SL70F780I4G

## Affected Ordering Part Numbers (OPNs) – Stratix III (continued)

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
EP3SE50F484I4N	EP3SE50F484I4G
EP3SE50F780I4N	EP3SE50F780I4G
EP3SL70F780C4NAB	Contact Sales
EP3SL70F780C3NAC	Contact Sales

## Attachment 1D Affected Ordering Part Numbers (OPNs) – Stratix IV

Discontinued Ordering Code (with the "N" suffix)	Fully lead-free converted products (with the "G" suffix)
EP4SGX70DF29C3N	EP4SGX70DF29C3G
EP4SGX70DF29C4N	EP4SGX70DF29C4G
EP4SGX70DF29I3N	EP4SGX70DF29I3G
EP4SGX110DF29C3N	EP4SGX110DF29C3G
EP4SGX110DF29C4N	EP4SGX110DF29C4G
EP4SGX110DF29I3N	EP4SGX110DF29I3G
EP4SGX110FF35C3N	EP4SGX110FF35C3G
EP4SGX110FF35C4N	EP4SGX110FF35C4G
EP4SGX110FF35I3N	EP4SGX110FF35I3G
EP4SGX110DF29C2XN	EP4SGX110DF29C2XG
EP4SGX110DF29I4N	EP4SGX110DF29I4G
EP4SGX110FF35C2XN	EP4SGX110FF35C2XG
EP4SGX110FF35I4N	EP4SGX110FF35I4G
EP4SGX110HF35C2N	EP4SGX110HF35C2G
EP4SGX110HF35C3N	EP4SGX110HF35C3G
EP4SGX110HF35C4N	EP4SGX110HF35C4G
EP4SGX110HF35I3N	EP4SGX110HF35I3G
EP4SGX70DF29C2XN	EP4SGX70DF29C2XG
EP4SGX70DF29I4N	EP4SGX70DF29I4G
EP4SGX70HF35C2N	EP4SGX70HF35C2G
EP4SGX70HF35C3N	EP4SGX70HF35C3G
EP4SGX70HF35C4N	EP4SGX70HF35C4G
EP4SGX70HF35I3N	EP4SGX70HF35I3G
EP4SGX70HF35I4N	EP4SGX70HF35I4G
EP4SGX110HF35I4N	EP4SGX110HF35I4G
EP4SGF35I3NAA	Contact Sales
EP4SGF29I3NAA	Contact Sales