



# CUSTOMER ADVISORY

## ADV2019

### Status Update on Stratix® II, Stratix® II GX and Arria® GX Products in Flip Chip with Leaded Bumps (1<sup>st</sup> level interconnect) Package

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#### Description:

This is a supplemental notification to advisories ADV1828 and ADV2001, to address Stratix® II, Stratix® II GX and Arria® GX products with leaded (SnPb) bumps as 1<sup>st</sup> level interconnect (die-to-substrate connection).

**Table 1**

Product Family	Status of Replacement Package with Leadfree SnAg Bumps (ROHS 6 "G" suffix OPN)	Estimated Completion
<b>Stratix II</b>	Package engineering and qualification work in progress.	December 2020**
<b>Stratix II GX</b>		**Subject to successful qualification.
<b>Arria GX*</b> *except for parts in the next row		
<b>Arria GX EP1AGX50C/60C in F484 pins.</b> Part numbers: <ul style="list-style-type: none"><li>• EP1AGX50CF484C6N</li><li>• EP1AGX50CF484I6N</li><li>• EP1AGX60CF484C6N</li><li>• EP1AGX60CF484I6N</li><li>• EP1AGX50CF484C6</li></ul>	Due to technical limitations, there is no plan to offer replacement "G" products with leadfree bumps.  Product Discontinuance <a href="#">PDN2018</a> issued for these five (5) part numbers: <a href="https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/pdn2018.pdf">https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/pdn2018.pdf</a>	Not applicable.

Intel will continue to supply Stratix® II, Stratix® II GX and Arria® GX products with leaded bumps (in both leadfree solder ball "N" suffix part numbers and leaded solder

ball part numbers) until the ROHS6 package qualification has been completed and further notification about product availability is provided.

### **Recommended Action:**

It is recommended that customers provide updated forecast information for affected product families to Intel sales to enable Intel's planning for future availability of parts.

Customers should continue to order existing part numbers of Stratix® II, Stratix® II GX and Arria® GX with leaded bumps (in both leadfree solder ball "N" suffix part numbers and leaded solder ball part numbers) until leadfree parts are available.

For customers affected by the discontinuance of the five (5) part numbers of Arria GX listed in Table 1, please refer to PDN2018 for further details:

<https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/pdn2018.pdf>.

### **Products Affected:**

The link below contains the list of affected part numbers (OPNs) with the corresponding leadfree bumps conversion status.

<https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/adv2019-opn-list.xlsx>

### **Contact**

For more information, please contact your Sales representative or submit a Service Request at the [My Intel](#) support page.

## Revision History

Date	Rev	Description
05/29/2020	1.0.0	Initial Release

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