

# PRODUCT DISCONTINUANCE NOTIFICATION

## PDN2041

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### THIS IS NOT A NEW PDN ISSUANCE

This revision 2.0.0 is an update to rev 1.0.0 with the purpose to remove MAX II (including MAX II G & MAX II Z) from PDN2041. Intel's current estimate is that MAX II products will be reviewed for EOL in 2024.

### Description:

Intel is discontinuing Arria GX, Stratix II, Stratix II GX & MAX 7000A Field Programmable Gate Array (FPGA) and Complex Programmable Logic Device (CPLD) product families. A complete list of device family ordering part numbers (OPNs) is listed in Attachment 1A-1D.

### Reason for Change:

- Arria GX, Stratix II and Stratix II GX are being discontinued due to Intel's vendor phasing out its production line capacity for flip chip eutectic tin-lead bumps as 1<sup>st</sup> level interconnect. Full RoHS compliant leadfree replacement packages are not offered due to shift in demand and volumes.
- MAX 7000A is being discontinued due to shift in demand and volumes.
- MAX II is removed from PDN2041 after considering customer feedback and current supply uncertainty in the broader semiconductor market.

### Recommended Action:

Customers are advised to perform a last time buy on the ordering part numbers (OPNs) impacted by this discontinuance notice. There are no replacement devices available.

## Key Obsolescence Dates:

Device Family	Last Order Acceptance (1)	Last Time Shipments
Arria GX	June 4, 2021	Dec 6, 2021
Stratix II	June 4, 2021	Dec 6, 2021
Stratix II GX	June 4, 2021	Dec 6, 2021
MAX 7000A	June 4, 2021	Dec 6, 2021

(1) Due to production support limitation, the last time buy orders are subjected to available inventory. 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/pdn2041-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
12/04/2020	1.0.0	Initial Release
03/19/2021	2.0.0	<ul style="list-style-type: none"><li>• Removed MAX II, MAX II G &amp; MAX II Z from PDN2041</li><li>• Updated Reason for Change section</li></ul>

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

Discontinued OPN	Replacement OPN
EP1AGX20CF484C6N	None
EP1AGX20CF484I6N	None
EP1AGX20CF780C6N	None
EP1AGX20CF780I6N	None
EP1AGX35CF484C6N	None
EP1AGX35CF484I6N	None
EP1AGX35DF780C6N	None
EP1AGX35DF780I6N	None
EP1AGX50DF780C6N	None
EP1AGX50DF780I6N	None
EP1AGX50DF1152C6N	None
EP1AGX50DF1152I6N	None
EP1AGX60DF780C6N	None
EP1AGX60DF780I6N	None
EP1AGX60EF1152C6N	None
EP1AGX60EF1152I6N	None
EP1AGX90EF1152C6N	None
EP1AGX90EF1152I6N	None
EP1AGX20CF780C6	None
EP1AGX20CF484C6	None
EP1AGX35CF484I6	None
EP1AGX50DF780C6	None
EP1AGX20CF780I6	None
EP1AGX20CF484I6	None
EP1AGX35DF780C6	None
EP1AGX35DF780I6	None
EP1AGX50DF780I6	None
EP1AGX90EF1152C6	None
EP1AGX90EF1152I6	None
EP1AGX35CF484C6	None
EP1AGX20CF484C6NGA	None

**Attachment 1B**  
**Affected Ordering Part Numbers (OPNs) – Stratix II**

Discontinued OPN	Replacement OPN	Discontinued OPN	Replacement OPN
EP2S180F1020C5	None	EP2S90H484C4	None
EP2S180F1020C4	None	EP2S30F672C3N	None
EP2S180F1508C4	None	EP2S30F672C4N	None
EP2S180F1508C5	None	EP2S30F672C5N	None
EP2S130F1508C5	None	EP2S60F1020C3N	None
EP2S130F1508C4	None	EP2S60F1020C4N	None
EP2S130F1020C4	None	EP2S60F1020C5N	None
EP2S130F1020C5	None	EP2S60F672I4	None
EP2S90F1020C5	None	EP2S90F1508C3N	None
EP2S90F1020C4	None	EP2S90F1508C4N	None
EP2S90F1020C3	None	EP2S90F1508C5N	None
EP2S90F1508C3	None	EP2S130F1020C4N	None
EP2S90F1508C4	None	EP2S130F1020C5N	None
EP2S90F1508C5	None	EP2S130F1020I5	None
EP2S60F1020C5	None	EP2S130F1508C5N	None
EP2S60F1020C4	None	EP2S15F484I4	None
EP2S60F1020C3	None	EP2S15F672I4	None
EP2S60F672C3	None	EP2S180F1020C4N	None
EP2S60F672C4	None	EP2S180F1020C5N	None
EP2S60F672C5	None	EP2S30F484I4	None
EP2S60F484C5	None	EP2S30F484I4N	None
EP2S60F484C4	None	EP2S30F672I4	None
EP2S60F484C3	None	EP2S60F1020I4N	None
EP2S30F484C3	None	EP2S60F484I4	None
EP2S30F484C4	None	EP2S90F1508I4	None
EP2S30F484C5	None	EP2S90F1020I4	None
EP2S30F672C5	None	EP2S90F1020C3N	None
EP2S30F672C4	None	EP2S90F1020C4N	None
EP2S30F672C3	None	EP2S90F1020C5N	None
EP2S15F672C3	None	EP2S130F1508C4N	None
EP2S15F672C4	None	EP2S130F1508C4RB	None
EP2S15F672C5	None	EP2S130F1508C5RB	None
EP2S15F484C5	None	EP2S130F1508C5NRB	None
EP2S15F484C4	None	EP2S130F1020C3	None
EP2S15F484C3	None	EP2S130F1020C3N	None
EP2S60F1020I4	None	EP2S130F1020I4	None
EP2S90F780C5	None	EP2S130F1508C3	None
EP2S90F780C4	None	EP2S130F1508C3N	None
EP2S130F780C4	None	EP2S130F1508I4	None
EP2S130F780C5	None	EP2S130F780C4N	None
EP2S90H484C5	None	EP2S130F780C5N	None

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

Discontinued OPN	Replacement OPN	Discontinued OPN	Replacement OPN
EP2S180F1020C3	None	EP2S180F1020I4N	None
EP2S180F1020C3N	None	EP2S180F1508I4N	None
EP2S180F1020I4	None	EP2S130F1020I4RB	None
EP2S180F1508C3	None	EP2S130F1508I4RB	None
EP2S180F1508C3N	None	EP2SEVOL1F672NAA	None
EP2S180F1508I4	None	EP2SEVOL2F672NAA	None
EP2S15F484C3N	None	EP2S130F1020C5NRB	None
EP2S15F484C4N	None	EP2S130F1020C4RB	None
EP2S15F484C5N	None	EP2S130F1020C3NRB	None
EP2S15F672C3N	None	EP2S90XXA	None
EP2S15F672C4N	None	EP2S30F484I4AA	None
EP2S15F672C5N	None	EP2S30F484I4AB	None
EP2S30F484C3N	None	EP2S30F672C5AA	None
EP2S30F484C4N	None	EP2S90F780I4	None
EP2S30F484C5N	None	EP2S90F780I4N	None
EP2S60F672C3N	None	EP2S90F780C4N	None
EP2S60F672C4N	None	EP2S130F780I4N	None
EP2S60F672C5N	None	EP2S90F780C5N	None
EP2S60F672I4N	None	EP2S60F672I5	None
EP2S60F484C3N	None	EP2S30F484I4NAA	None
EP2S60F484C4N	None	EP2S15F484C4TT	None
EP2S60F484C5N	None	EP2S180F1508C4TT	None
EP2S60F484I4N	None	EP2S130F1020C3TT	None
EP2S90F1508I4N	None	EP2S130F1508I4TT	None
EP2S90F1020I4N	None	EP2S30F484C4TT	None
EP2S30F672C5NRB	None	EP2S30F484C5TT	None
EP2S30F672C5RB	None	EP2S30F484I4TT	None
EP2S180F1508C4N	None	EP2S30F672I5TT	None
EP2S180F1508C5N	None	EP2S60F1020C3TT	None
EP2S60F1020I5	None	EP2S60F1020C4TT	None
EP2S60F1020I5N	None	EP2S60F672I5TT	None
EP2S30F672I5	None	EP2S90F1020C3TT	None
EP2S30F672I5N	None	EP2S90F1020C4TT	None
EP2S90F1020I5	None	EP2S90F1020I5TT	None
EP2S90F1020I5N	None	EP2S90F1020I4NAB	None
EP2S130F1020I5N	None	EP2S90F780I4NAB	None
EP2S15F672I4N	None	EP2S180F1020C3TT	None
EP2S15F484I4N	None	EP2S180F1508C3NAA	None
EP2S30F672I4N	None	EP2S60F672I5N	None
EP2S130F1020I4N	None	EP2S60F672C5NGA	None
EP2S130F1508I4N	None		

## Attachment 1C

### Affected Ordering Part Numbers (OPNs) – Stratix II GX

Discontinued OPN	Replacement OPN	Discontinued OPN	Replacement OPN
EP2SGX30CF780C3	None	EP2SGX90EF1152C4N	None
EP2SGX30CF780C4	None	EP2SGX90EF1152C5N	None
EP2SGX30CF780C5	None	EP2SGX90FF1508C3N	None
EP2SGX30DF780C5	None	EP2SGX90FF1508C4N	None
EP2SGX30DF780C4	None	EP2SGX90FF1508C5N	None
EP2SGX30DF780C3	None	EP2SGX130GF1508C3N	None
EP2SGX60CF780C3	None	EP2SGX130GF1508C4N	None
EP2SGX60CF780C4	None	EP2SGX130GF1508C5N	None
EP2SGX60CF780C5	None	EP2SGX30DF780I4N	None
EP2SGX60DF780C3	None	EP2SGX60DF780I4N	None
EP2SGX60DF780C4	None	EP2SGX60EF1152I4N	None
EP2SGX60DF780C5	None	EP2SGX90EF1152I4N	None
EP2SGX60EF1152C3	None	EP2SGX90FF1508I4N	None
EP2SGX60EF1152C4	None	EP2SGX130GF1508I4N	None
EP2SGX60EF1152C5	None	EP2SGX130GF1508I4	None
EP2SGX90EF1152C3	None	EP2SGX90FF1508I4	None
EP2SGX90EF1152C4	None	EP2SGX90EF1152I4	None
EP2SGX90EF1152C5	None	EP2SGX60EF1152I4	None
EP2SGX90FF1508C3	None	EP2SGX60DF780I4	None
EP2SGX90FF1508C4	None	EP2SGX30DF780I4	None
EP2SGX90FF1508C5	None	EP2SGX55EF1152C3	None
EP2SGX130GF1508C3	None	EP2SGX55EF1152C4	None
EP2SGX130GF1508C4	None	EP2SGX85FF1508C4	None
EP2SGX130GF1508C5	None	EP2SGX85FF1508C3	None
EP2SGX30CF780C3N	None	EP2SGX125GF1508C3	None
EP2SGX30CF780C4N	None	EP2SGX125GF1508C4	None
EP2SGX30CF780C5N	None	EP2SGX55EF1152I4	None
EP2SGX30DF780C3N	None	EP2SGX55EF1152I4N	None
EP2SGX30DF780C4N	None	EP2SGX55EF1152C3N	None
EP2SGX30DF780C5N	None	EP2SGX55EF1152C4N	None
EP2SGX60CF780C3N	None	EP2SGX85FF1508I4	None
EP2SGX60CF780C4N	None	EP2SGX85FF1508I4N	None
EP2SGX60CF780C5N	None	EP2SGX85FF1508C3N	None
EP2SGX60DF780C3N	None	EP2SGX85FF1508C4N	None
EP2SGX60DF780C4N	None	EP2SGX125GF1508I4	None
EP2SGX60DF780C5N	None	EP2SGX125GF1508I4N	None
EP2SGX60EF1152C3N	None	EP2SGX125GF1508C3N	None
EP2SGX60EF1152C4N	None	EP2SGX125GF1508C4N	None
EP2SGX60EF1152C5N	None	EP2SGXHC17F33I4NAA	None
EP2SGX90EF1152C3N	None	EP2SGXHC17F33C4NAA	None

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

Discontinued OPN	Replacement OPN
EP2SGX90FF40C3NAA	None
EP2SGXF1152AA	None
EP2SGXF1152AB	None
EP2SGXF1152AC	None
EP2SGXF1152NAC	None
EP2SGX130GF40C3NAB	None
EP2SGX130GF40C3AB	None
EP2SGX90EF1152I4GA	None
EP2SGX130GF40I4GA	None



**Attachment 1D**  
**Affected Ordering Part Numbers (OPNs) – MAX 7000A**

Discontinued OPN	Replacement OPN	Discontinued OPN	Replacement OPN
EPM7512AEFI256-10	None	EPM7256AEQC208-7	None
EPM7032AELC44-10	None	EPM7256AETC100-10	None
EPM7032AELC44-4	None	EPM7256AETC100-5	None
EPM7032AELC44-7	None	EPM7256AETC100-7	None
EPM7032AETC44-10	None	EPM7256AETC144-10	None
EPM7032AETC44-4	None	EPM7256AETC144-7	None
EPM7032AETC44-7	None	EPM7256AETI100-7	None
EPM7032AETI44-7	None	EPM7256AETI144-7	None
EPM7064AEFC100-10	None	EPM7512AEFC256-10	None
EPM7064AEFC100-4	None	EPM7512AEFC256-12	None
EPM7064AEFC100-7	None	EPM7512AEFC256-7	None
EPM7064AELC44-10	None	EPM7512AEQC208-10	None
EPM7064AELC44-4	None	EPM7512AEQC208-12	None
EPM7064AELC44-7	None	EPM7512AEQC208-7	None
EPM7064AELI44-7	None	EPM7512AEQI208-10	None
EPM7064AETC100-10	None	EPM7512AETC144-10	None
EPM7064AETC100-4	None	EPM7512AETC144-12	None
EPM7064AETC100-7	None	EPM7512AETC144-7	None
EPM7064AETC44-10	None	EPM7256AEFI100-7	None
EPM7064AETC44-4	None	EPM7KAEFI256BB	None
EPM7064AETC44-7	None	EPM7512AEFI256-7	None
EPM7064AETI100-7	None	EPM7128AETC100-10N	None
EPM7064AETI44-7	None	EPM7128AETC100-7N	None
EPM7128AEFC100-10	None	EPM7032AETC44-4N	None
EPM7128AEFC100-5	None	EPM7064AETI100-7AA	None
EPM7128AEFC100-7	None	EPM7064AETI44-7AA	None
EPM7128AEFI100-7	None	EPM7256AETC144-10N	None
EPM7128AETC100-10	None	EPM7256AETC100-10N	None
EPM7128AETC100-7	None	EPM7256AETI144-7AA	None
EPM7128AETC144-10	None	EPM7064AETI100-7N	None
EPM7128AETC144-5	None	EPM7512AETC144-10N	None
EPM7128AETC144-7	None	EPM7032AETI44-7N	None
EPM7128AETI100-7	None	EPM7256AETI144-7N	None
EPM7128AETI144-7	None	EPM7512AEQC208-7N	None
EPM7256AEFC100-10	None	EPM7512AEQC208-12N	None
EPM7256AEFC100-5	None	EPM7512AEQC208-10N	None
EPM7256AEFC100-7	None	EPM7064AETC100-10N	None
EPM7256AEFC256-10	None	EPM7064AETC100-4N	None
EPM7256AEFC256-7	None	EPM7128AETI100-7N	None
EPM7256AEQC208-10	None	EPM7032AETC44-10N	None

## Affected Ordering Part Numbers (OPNs) – MAX 7000A (continued)

Discontinued OPN	Replacement OPN	Discontinued OPN	Replacement OPN
EPM7032AETC44-7N	None	EPM7128AETA100-10N	None
EPM7256AEFC256-10N	None	EPM7128AETA144-10N	None
EPM7256AEFC256-7N	None	EPM7064AEFC100-4N	None
EPM7064AETC100-7N	None	EPM7064AEWWC	None
EPM7064AETC44-10N	None	EPM7128AEFI100-7N	None
EPM7064AETC44-7N	None	EPM7256AEFC100-7GZ	None
EPM7064AETC44-4N	None	EPM7512AEF256C10GZ	None
EPM7064AETI44-7N	None	EPM7512AET144C12GZ	None
EPM7256AETC100-7N	None	EPM7128AETI100-7GA	None
EPM7256AETC100-5N	None		
EPM7256AETI100-7N	None		
EPM7512AETC144-12N	None		
EPM7512AETC144-7N	None		
EPM7512AEFC256-7N	None		
EPM7512AEFC256-10N	None		
EPM7512AEFC256-12N	None		
EPM7512AEFI256-10N	None		
EPM7256AEFC100-7N	None		
EPM7256AEFC100-10N	None		
EPM7256AEFI100-7N	None		
EPM7128AETC144-10N	None		
EPM7128AETC144-7N	None		
EPM7128AETC144-5N	None		
EPM7128AETI144-7N	None		
EPM7032AELC44-10N	None		
EPM7032AELC44-4N	None		
EPM7032AELC44-7N	None		
EPM7256AEQC208-10N	None		
EPM7256AEQC208-7N	None		
EPM7256AETC144-7N	None		
EPM7512AEQI208-10N	None		
EPM7128AEFC100-5N	None		
EPM7128AEFC100-10N	None		
EPM7128AEFC100-7N	None		
EPM7064AEFC100-10N	None		
EPM7064AELI44-7N	None		
EPM7064AEFC100-7N	None		
EPM7032AETA44-10N	None		
EPM7064AETA44-10N	None		
EPM7064AETA100-10N	None		