

PRODUCT DISCONTINUANCE NOTIFICATION

PDN2041

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 1st 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">• Removed MAX II, MAX II G & MAX II Z from PDN2041• Updated Reason for Change section |

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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 | | |