

PRODUCT DISCONTINUANCE NOTIFICATION

PDN2401

Description:

Intel's Outsourced Semiconductor Assembly and Test (OSAT) vendor is phasing out its non-green plating production line, affecting the supply continuity of specific Intel® Field Programmable Gate Array (FPGA) and Complex Programmable Logic Device (CPLD) leaded part numbers from Cyclone® II, Cyclone® III, Cyclone® IV E, MAX® II, MAX® V, and Intel® MAX® 10 product families.

A complete list of affected device family ordering part numbers (OPNs) is listed in Attachment 1A-1F.

Reason for Change

Intel's Outsourced Semiconductor Assembly and Test (OSAT) vendor is phasing out its non-green plating production line, impacting the future availability of Intel® Field Programmable Gate Array (FPGA) and Complex Programmable Logic Device (CPLD) leaded part numbers with EQFP144, PQFP208, PQFP240, TQFP100 and TQFP144 packages from Cyclone® II, Cyclone® III, Cyclone® IV E, MAX® II, MAX® V, and Intel® MAX® 10 product families.

Intel has exhausted options and efforts to extend the supply period further with the OSAT vendor before arriving at the decision to discontinue the affected leaded devices listed in Attachment 1A-1F.

Recommended Action:

- Customers are advised to consider migrating to equivalent pin-compatible lead-free devices. Alternatively, customers have the option to perform a last time buy on or before the Last Time Buy (LTB) date on the ordering part numbers (OPNs) impacted by this discontinuance notice.

Key Obsolescence Dates

Device Family	Last Order Acceptance ⁽¹⁾	Last Time Shipments
Intel® FPGA and CPLD leaded part numbers with EQFP144, PQFP208, PQFP240, TQFP100 and TQFP144 packages from Cyclone® II, Cyclone® III, Cyclone® IV E, MAX® II, MAX® V, and Intel® MAX® 10 product families.	July 15, 2024	January 15, 2025

⁽¹⁾ Orders will become non-cancellable, non-reschedulable and non-returnable on the last order acceptance date.

Products Affected:

The list of affected Ordering Part Numbers (OPNs) can be downloaded here: <https://cdrdv2.intel.com/v1/dl/getContent/813534> or refer to Attachment 1A-1F.

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:

If you would like to receive customer notifications by email, please follow the instructions in [ADV 2209](#)

Intel references J-STD-046 guidelines for PCN.

In accordance with J-STD-046, this change is deemed acceptable to the customer if no acknowledgment is received within 30 days from the date of notification.

Revision History

Date	Rev	Description
01/15/2024	1.0.0	Initial Release

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Attachment 1A
Affected Ordering Part Numbers (OPNs) – Cyclone® II FPGAs

Discontinued OPN	MMID	Replacement OPN
EP2C20Q240C8	971815	EP2C20Q240C8N
EP2C5Q208C7	966842	EP2C5Q208C7N
EP2C5Q208C8	971045	EP2C5Q208C8N
EP2C5Q208I8	973049	EP2C5Q208I8N
EP2C5T144C6	973050	EP2C5T144C6N
EP2C5T144C7	973051	EP2C5T144C7N
EP2C5T144C8	970060	EP2C5T144C8N
EP2C5T144I8	969721	EP2C5T144I8N
EP2C8Q208C7	970065	EP2C8Q208C7N
EP2C8Q208C8	974292	EP2C8Q208C8N
EP2C8Q208C8KK	966424	EP2C8Q208C8N
EP2C8Q208I8	967187	EP2C8Q208I8N
EP2C8T144C6	966848	EP2C8T144C6N
EP2C8T144C7	971048	EP2C8T144C7N
EP2C8T144C8	974293	EP2C8T144C8N
EP2C8T144I8	970066	EP2C8T144I8N

Attachment 1B
Affected Ordering Part Numbers (OPNs) – Cyclone® III FPGAs

Discontinued OPN	MMID	Replacement OPN
EP3C10E144C7	973090	EP3C10E144C7N
EP3C10E144C8	972374	EP3C10E144C8N
EP3C10E144I7	974319	EP3C10E144I7N
EP3C16E144C7	969939	EP3C16E144C7N
EP3C16E144C8	974321	EP3C16E144C8N
EP3C16E144I7	974322	EP3C16E144I7N
EP3C16Q240C8	967216	EP3C16Q240C8N
EP3C25E144C7	967220	EP3C25E144C7N
EP3C25E144C8	970103	EP3C25E144C8N
EP3C25E144I7	969947	EP3C25E144I7N
EP3C25Q240C8	970751	EP3C25Q240C8N
EP3C40Q240C8	969954	EP3C40Q240C8N
EP3C5E144C7	972396	EP3C5E144C7N
EP3C5E144C8	969962	EP3C5E144C8N
EP3C5E144I7	969961	EP3C5E144I7N

Attachment 1C

Affected Ordering Part Numbers (OPNs) – Cyclone® IV E FPGAs

Discontinued OPN	MMID	Replacement OPN
EP4CE10E22C6	972453	EP4CE10E22C6N
EP4CE10E22C7	972454	EP4CE10E22C7N
EP4CE10E22C8	971877	EP4CE10E22C8N
EP4CE10E22C8L	971146	EP4CE10E22C8LN
EP4CE10E22C9L	967018	EP4CE10E22C9LN
EP4CE10E22I7	973168	EP4CE10E22I7N
EP4CE10E22I8L	974401	EP4CE10E22I8LN
EP4CE15E22C6	972464	EP4CE15E22C6N
EP4CE15E22C7	973179	EP4CE15E22C7N
EP4CE15E22C8	974407	EP4CE15E22C8N
EP4CE15E22C8L	972511	EP4CE15E22C8LN
EP4CE15E22C9L	971151	EP4CE15E22C9LN
EP4CE15E22I7	974408	EP4CE15E22I7N
EP4CE15E22I8L	967025	EP4CE15E22I8LN
EP4CE22E22C6	967298	EP4CE22E22C6N
EP4CE22E22C7	971155	EP4CE22E22C7N
EP4CE22E22C8	967299	EP4CE22E22C8N
EP4CE22E22C8L	967031	EP4CE22E22C8LN
EP4CE22E22C9L	972516	EP4CE22E22C9LN
EP4CE22E22I7	972517	EP4CE22E22I7N
EP4CE22E22I8L	970210	EP4CE22E22I8LN
EP4CE6E22C6	972529	EP4CE6E22C6N
EP4CE6E22C7	970228	EP4CE6E22C7N
EP4CE6E22C8	971172	EP4CE6E22C8N
EP4CE6E22C8L	971907	EP4CE6E22C8LN
EP4CE6E22C9L	971909	EP4CE6E22C9LN
EP4CE6E22I7	970229	EP4CE6E22I7N
EP4CE6E22I8L	970230	EP4CE6E22I8LN

Attachment 1D

Affected Ordering Part Numbers (OPNs) – MAX® II CPLDs

Discontinued OPN	MMID	Replacement OPN
EPM1270GT144C3	972842	EPM1270GT144C3N
EPM1270GT144C4	971373	EPM1270GT144C4N
EPM1270GT144C5	968053	EPM1270GT144C5N
EPM1270GT144I5	970370	EPM1270GT144I5N
EPM1270T144C3	970371	EPM1270T144C3N
EPM1270T144C3RR	967406	EPM1270T144C3N
EPM1270T144C4	968055	EPM1270T144C4N
EPM1270T144C5	972844	EPM1270T144C5N
EPM1270T144C5RR	974802	EPM1270T144C5N
EPM1270T144I5	972846	EPM1270T144I5N
EPM240GT100C3	967521	EPM240GT100C3N
EPM240GT100C3TT	967926	EPM240GT100C3N
EPM240GT100C4	967522	EPM240GT100C4N
EPM240GT100C4TT	967927	EPM240GT100C4N
EPM240GT100C5	972155	EPM240GT100C5N
EPM240GT100C5TT	972491	EPM240GT100C5N
EPM240GT100I5	971383	EPM240GT100I5N
EPM240GT100I5RR	969988	EPM240GT100I5NRR
EPM240T100C3	971384	EPM240T100C3N
EPM240T100C3RR	967928	EPM240T100C3N
EPM240T100C3TT	971976	EPM240T100C3N
EPM240T100C4	967523	EPM240T100C4N
EPM240T100C4TT	967929	EPM240T100C4N
EPM240T100C5	972852	EPM240T100C5N
EPM240T100C5AA	967930	EPM240T100C5NAA
EPM240T100C5RR	974806	EPM240T100C5NRR
EPM240T100C5TT	971977	EPM240T100C5N
EPM240T100I5	970381	EPM240T100I5N
EPM240T100I5RR	971000	EPM240T100I5NRR
EPM240T100I5TT	967932	EPM240T100I5N
EPM570GT100C3	973391	EPM570GT100C3N
EPM570GT100C4	972175	EPM570GT100C4N
EPM570GT100C5	970400	EPM570GT100C5N
EPM570GT100C5RR	968430	EPM570GT100C5N
EPM570GT100C5TT	969995	EPM570GT100C5N
EPM570GT100I5	967538	EPM570GT100I5N
EPM570GT100I5RR	974810	EPM570GT100I5NRR
EPM570GT144C3	973393	EPM570GT144C3N
EPM570GT144C4	967539	EPM570GT144C4N
EPM570GT144C5	972177	EPM570GT144C5N

Affected Ordering Part Numbers (OPNs) – MAX® II CPLDs (continued)

Discontinued OPN	MMID	Replacement OPN
EPM570GT144C5TT	967412	EPM570GT144C5N
EPM570GT144I5	967540	EPM570GT144I5N
EPM570T100C3	972870	EPM570T100C3N
EPM570T100C4	968701	EPM570T100C4N
EPM570T100C5	967541	EPM570T100C5N
EPM570T100C5RR	973025	EPM570T100C5NRR
EPM570T100C5TT	973026	EPM570T100C5N
EPM570T100I5	968703	EPM570T100I5N
EPM570T100I5RR	972498	EPM570T100I5N
EPM570T100I5TT	971006	EPM570T100I5N
EPM570T144C3	970402	EPM570T144C3N
EPM570T144C3RR	969998	EPM570T144C3NRR
EPM570T144C3TT	974811	EPM570T144C3N
EPM570T144C4	968704	EPM570T144C4N
EPM570T144C5	971407	EPM570T144C5N
EPM570T144C5RR	968433	EPM570T144C5NRR
EPM570T144C5TT	967414	EPM570T144C5N
EPM570T144I5	973396	EPM570T144I5N
EPM570T144I5TT	968434	EPM570T144I5N

Attachment 1E
Affected Ordering Part Number (OPN) – MAX® V CPLDs

Discontinued OPN	MMID	Replacement OPN
5M1270ZT144I5	966141	5M1270ZT144I5N

Attachment 1F
Affected Ordering Part Number (OPN) – Intel® MAX® 10 FPGAs

Discontinued OPN	MMID	Replacement OPN
10M08SAE144I7P	967760	10M08SAE144I7G