



PRODUCT DISCONTINUANCE NOTIFICATION

PDN1708

THIS IS NOT A NEW PDN ISSUANCE

This revision 1.1.0 is an update to rev 1.0.0. Please see revision history table for a summary of the changes.

Description

Intel Programmable Solutions Group ("Intel PSG", formerly Altera) is discontinuing the following configuration device product families:

- EPC standard (excluding EPC2)
- EPC enhanced
- EPCS
- EPCQ (\leq 128Mb)

For EPCS or EPCQ devices (128Mb & below), we advise customers to switch to [EPCQ-A](#) devices. The device family ordering codes are listed in Attachment 1A, 1B, 1C.

Reason for Change

Intel PSG's current flash vendor is shutting down its production line for these product families, without an alternative. Intel PSG will offer an alternative device from a new vendor for EPCS 4Mb and above, and EPCQ devices up to 128Mb density.

Customers using EPCS 1Mb devices may migrate to alternative 4Mb devices. All alternative devices will be footprint compatible with existing EPCS/Q devices. Support for alternative devices will be included in version 17.1 of Quartus Prime.

For EPCQL and EPCQ devices 256Mb and above, the previous guidance of extended availability is no longer feasible due to supply constraints from our flash vendor for EPCS, EPCQ, EPCQ-L device families.

Please refer to a separate PDN1802 announcing the discontinuance of EPCQL and EPCQ devices 256Mb and above. Link to PDN1802:

https://www.altera.com/content/dam/altera-www/global/en_US/pdfs/literature/pcn/pdn1802.pdf

Key Obsolescence Dates

Please take note of the important changes to the last time shipment dates for EPCS and EPCQ parts on the table below:

Device Family	Last Order Acceptance ⁽¹⁾	Last Time Shipments
EPC standard (excluding EPC2)	December 1, 2017	September 1, 2018
EPC enhanced	December 1, 2017	September 1, 2018
EPCS	February 22, 2018	November 2, 2018
EPCQ (= < 128Mb)	February 22, 2018	November 2, 2018

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

Products Affected

See Attachment 1A – 1C for complete list of the affected OPNs (ordering part numbers). 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, or submit a Service Request at Intel PSG's [mySupport](#) website.

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.altera.com/subscriptions/email/signup/eml-index.jsp>

Revision History

Date	Rev	Description
06/01/2017	1.0.0	Initial Release
02/14/2018	1.1.0	a. Modified 2 nd paragraph of “Reason for Change” section to update the status of EPCQL and EPCQ devices 256Mb and above. b. Modified the last time shipment dates from June1, 2021 to November 2, 2018 for EPCS and EPCQ devices 128Mb and below c. Added datasheet links to the replacement devices (EPCQ-A)

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Attachment 1A

Affected Ordering Part Numbers (OPNs) – EPC Standard

Discontinued Ordering Code	Device Family	LTB	LTS	Notes
EPC1064LC20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1064PI8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1213LI20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1213PI8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441LC20N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441LI20N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441PI8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441TC32N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441TI32N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1LC20N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1LI20N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1PC8CC	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1PI8N	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1064PC8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1213LC20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1213PC8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441LC20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441LI20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441PC8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441TC32	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1441TI32	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1LC20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1LI20	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1PC8	EPC Standard	12/1/2017	9/1/2018	No replacement
EPC1PI8	EPC Standard	12/1/2017	9/1/2018	No replacement

Attachment 1B
Affected Ordering Part Numbers (OPNs) – EPC Enhanced

Discontinued Ordering Code	Device Family	LTB	LTS	Notes
EPC16UI88N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16UC88SS	EPC Enhanced	N/A	N/A	No replacement; Discontinued custom device
EPC16UC88II	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16UC88	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16QI100	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16QC100N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16QC100DM	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC8QI100N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC8QC100N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC8QC100	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC4QI100	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC4QC100	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16UI88AA	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16UC88N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16UC88AB	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16QI100N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16QC100SS	EPC Enhanced	N/A	N/A	No replacement; Discontinued custom device
EPC16QC100II	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC16QC100	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC8QI100	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC8QC100DM	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC4QI100N	EPC Enhanced	12/1/2017	9/1/2018	No replacement
EPC4QC100N	EPC Enhanced	12/1/2017	9/1/2018	No replacement

Attachment 1C

Affected Ordering Part Numbers (OPNs) – EPCS, EPCQ

Discontinued Ordering Code	Device Family	Alternative Ordering Code	LTB	LTS	Notes
EPCS128SI16N	EPCS	EPCQ128ASI16N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS64SI16N	EPCS	EPCQ64ASI16N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS16SI8N	EPCS	EPCQ16ASI8N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS4SI8N	EPCS	EPCQ4ASI8N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS4SI8	EPCS	EPCQ4ASI8N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS1SI8N	EPCS	EPCQ4ASI8N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS1SI8	EPCS	EPCQ4ASI8N	2/22/2018	11/2/2018	EPCQ-A Datasheet
EPCS64SI16NGA	EPCS	None	N/A	N/A	Discontinued custom device
EPCS4SI8NAA	EPCS	None	N/A	N/A	Discontinued custom device
EPCV4SI8N	EPCS	None	N/A	N/A	Discontinued custom device

Discontinued Ordering Code	Device Family	Alternative Ordering Code	LTB	LTS	Notes
EPCQ128SI16N	EPCQ	EPCQ128ASI16N	2/22/2018	11/2/2018	
EPCQ64SI16N	EPCQ	EPCQ64ASI16N	2/22/2018	11/2/2018	
EPCQ32SI8N	EPCQ	EPCQ32ASI8N	2/22/2018	11/2/2018	
EPCQ16SI8N	EPCQ	EPCQ16ASI8N	2/22/2018	11/2/2018	