

Product/Process Change Notification

N° 2019-148-A

Dear customer,

please find attached our Infineon Technologies AG PCN:

Several changes for product family of 650V DuoPacks including TS5 MPT and EC4 diode

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before 2021-12-07.
- Infineon aligns with the widely-recognized JEDEC STANDARD “JESD46”, which stipulates: “Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.”
Notwithstanding the aforesaid individual agreements shall prevail.

Your prompt reply will help Infineon to assure a smooth and well-executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.



On 16 April 2020, Infineon acquired Cypress.

We are now in the process of merging and consolidating our tools and processes for PCN, Information Notes, Errata and Product Discontinuance.

For further details, please visit our website:

<https://www.infineon.com/cms/en/about-infineon/company/cypress-acquisition/>

Infineon Technologies AG

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Chairman of the Supervisory Board: Dr. Wolfgang Eder

Management Board: Dr. Reinhard Ploss (CEO), Dr. Helmut Gassel, Jochen Hanebeck, Constanze Hufenbecher, Dr. Sven Schneider

Registered Office: Neubiberg

Commercial Register: München HRB 126492

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Products affected

Please refer to attached affected product list 1_cip19148_A

Detailed change information

Subject: Several changes for product family of 650V DuoPacks including TS5 MPT and EC4 diode

Reason/Motivation: The wafer production of the affected products will be transferred to Infineon Technologies Dresden GmbH, Dresden, Germany and Infineon Technologies (Kulim) Sdn. Bhd., Kulim, Malaysia according to the global Infineon production strategy.

For TS5 MPT IGBT (650V), the 300 mm wafer manufacturing technology is the 'state of the art' wafer manufacturing technology at Infineon. Therefore, the TS5 MPT IGBT (650V) will be shifted from 200 mm wafer diameter to 300 mm wafer diameter.

Description	<u>Old</u>	<u>New</u>
PROCESS - WAFER PRODUCTION: New wafer diameter	TS5 MPT IGBT 650V: 200 mm	TS5 MPT IGBT 650V: 300 mm
PROCESS - WAFER PRODUCTION: Move of all or part of wafer fab to a different location/site/subcontractor	Wafer production and preassembly TS5 MPT IGBT 650V: Infineon Technologies Austria AG, Villach, Austria EC4 diodes 650V: Infineon Technologies Austria AG, Villach, Austria	Wafer production and preassembly TS5 MPT IGBT 650V: Infineon Technologies Dresden GmbH, Dresden, Germany EC4 diodes 650V: Infineon Technologies (Kulim) Sdn. Bhd., Kulim, Malaysia

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TEST FLOW:	Wafer test	Wafer test
Move of all or part of electrical wafer test and/or final test to a different location/site/subcontractor	<p>TS5 MPT IGBT 650V: Infineon Technologies Austria AG, Villach, Austria</p> <p>EC4 diodes 650V: Infineon Technologies Austria AG, Villach, Austria</p>	<p>TS5 MPT IGBT 650V: Infineon Technologies Dresden GmbH, Dresden, Germany</p> <p>EC4 diodes 650V: Infineon Technologies (Kulim) Sdn. Bhd., Kulim, Malaysia</p>

Product identification

Traceability assured via date code.
No change in SP ordering number.

Anticipated impact of change

No impact on electrical performance. Quality and reliability verified by qualification. There is no change in form, fit and function.

DeQuMa-ID(s): SEM-PW-02 / SEM-PW-13 / SEM-TF-01

Attachments

1_cip19148_A affected product list

Time schedule

Final qualification report	available
First samples available	2021-11-15
Intended start of delivery [1]	2022-04-26
Last order date (LOD) [2]	2022-04-26
Last delivery date (LDD) [3]	2023-04-26

[1] Provided date or earlier after customer approval

[2] Last time buy volume to be placed latest until LOD

[3] Delivery of new product can be earlier (see Intended start of delivery) and depends on approval

If you have any questions, please do not hesitate to contact your local sales office.



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Sales name	SP number	OPN	Package
AIKB15N65DF5	SP001686020	AIKB15N65DF5ATMA1	PG-TO263-3-2
AIKB15N65DH5	SP001686016	AIKB15N65DH5ATMA1	PG-TO263-3-2
AIKB30N65DF5	SP001612750	AIKB30N65DF5ATMA1	PG-TO263-3-2
AIKB30N65DH5	SP001612746	AIKB30N65DH5ATMA1	PG-TO263-3-2
AIKB40N65DF5	SP001686012	AIKB40N65DF5ATMA1	PG-TO263-3-2
AIKB40N65DH5	SP001686008	AIKB40N65DH5ATMA1	PG-TO263-3-2
AIKB50N65DF5	SP001686004	AIKB50N65DF5ATMA1	PG-TO263-3-2
AIKB50N65DH5	SP001686000	AIKB50N65DH5ATMA1	PG-TO263-3-2
AIKW40N65DF5	SP001346782	AIKW40N65DF5XKSA1	PG-TO247-3-41
AIKW40N65DH5	SP001346778	AIKW40N65DH5XKSA1	PG-TO247-3-41
AIKW50N65DF5	SP001346768	AIKW50N65DF5XKSA1	PG-TO247-3-41
AIKW50N65DH5	SP001346764	AIKW50N65DH5XKSA1	PG-TO247-3-41