

Product/process change notification

PCN N° 2021-090-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

Harmonization of frontend sources and technologies for 1700V modules with IGBT3/4 and/or EC3 diodes

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 **2021-11-19**
- 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.”**

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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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
 “pcn_2021-090-A_[customer-no].pdf”

► **Detailed change information**

Subject Harmonization of frontend sources and technologies for 1700V modules with IGBT3/4 and/or EC3 diodes

Reason Harmonization, capacity extension and increasing security of supply 1700V IGBTs and Diodes. The 12” and 8” wafer manufacturing technology is, State of the Art’ wafer manufacturing technology at Infineon.

Description

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> ■ IGBT: 8 inch: Infineon Technologies Austria AG, Villach, Austria or 8 inch: Infineon Technologies (Kulim) sdn. Bhd., Kulim, Malaysia or 8 inch: Vanguard International Semiconductor Corporation, Hsinchu, Taiwan (dedicated module types) or 12 inch: Infineon Technologies Dresden GmbH, Dresden Germany (dedicated module types) 	<ul style="list-style-type: none"> ■ IGBT: 12 inch: Infineon Technologies Dresden GmbH, Dresden Germany or 8 inch: Vanguard International Semiconductor Corporation, Hsinchu, Taiwan Target production site: 12 inch: Infineon Technologies Dresden GmbH, Dresden Germany

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<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> ■ Diode: 6 inch: Infineon Technologies Austria AG, Villach, Austria or 8 inch: Infineon Technologies Austria AG, Villach, Austria (dedicated module types) ■ 	<ul style="list-style-type: none"> ■ Diode: 8 inch: Infineon Technologies Austria AG, Villach, Austria or 8 inch: Infineon Technologies (Kulim) sdn. Bhd., Kulim, Malaysia ■ Target production site: 8 inch: Infineon Technologies (Kulim) sdn. Bhd., Kulim, Malaysia
<ul style="list-style-type: none"> ■ Slightly different internal designs for the dedicated frontend sources (dedicated module types) 	<ul style="list-style-type: none"> ■ Harmonized and optimized internal design for all frontend sources
<ul style="list-style-type: none"> ■ Different chip backside metallization 	<ul style="list-style-type: none"> ■ Harmonized chip backside metallization

► Product identification

Individual production lot number

► Impact of change

No impact on electrical performance. Quality and reliability verified by qualification. There is no change in form, fit and function. Parallel delivery is possible during the transition period.

► Attachments

Affected product list "pcn_2021-090-A_[customer-no].pdf"

► Time schedule

- | | |
|------------------------------|---|
| ■ Final qualification report | available |
| ■ First samples available | on request |
| ■ Intended start of delivery | 2022-01-01 depending on customer approval |

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

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Harmonization of FE sources and technologies for 1700V Modules with IGBT3/4 and/or EC3 Diodes

Affected products sold to DIGI-KEY (4002348)

Sales name	SP number	OPN	Package	Customer part number
FD300R17KE4P	SP003078412	FD300R17KE4PHOSA1	AG-62MM	FD300R17KE4PHOSA1
FF1000R17IE4	SP000609592	FF1000R17IE4BOSA1	AG-PRIME3	FF1000R17IE4BOSA1
FF1400R17IP4	SP000726974	FF1400R17IP4BOSA1	AG-PRIME3	FF1400R17IP4BOSA1
FF150R17KE4	SP000713524	FF150R17KE4HOSA1	AG-62MM	FF150R17KE4HOSA1
FF200R17KE3	SP000100775	FF200R17KE3HOSA1	AG-62MM	FF200R17KE3HOSA1
FF200R17KE4	SP000713374	FF200R17KE4HOSA1	AG-62MM	FF200R17KE4HOSA1
FF225R17ME4	SP000408720	FF225R17ME4BOSA1	AG-ECONOD	FF225R17ME4BOSA1
FF300R17KE4	SP000713528	FF300R17KE4HOSA1	AG-62MM	FF300R17KE4HOSA1
FF300R17ME4	SP000408716	FF300R17ME4BOSA1	AG-ECONOD	FF300R17ME4BOSA1
FF400R17KE4	SP001500350	FF400R17KE4HOSA1	AG-62MM	FF400R17KE4HOSA1
FF400R17KE4_E	SP001500356	FF400R17KE4EHOSA1	AG-62MM	FF400R17KE4EHOSA1
FF450R17ME4	SP000408712	FF450R17ME4BOSA1	AG-ECONOD	FF450R17ME4BOSA1
FF450R17ME4	SP000408712	FF450R17ME4BOSA1	AG-ECONOD	FF450R17ME4BOSA1
FF500R17KE4	SP001500362	FF500R17KE4BOSA1	AG-62MM	FF500R17KE4BOSA1
FF600R17ME4	SP000858412	FF600R17ME4BOSA1	AG-ECONOD	FF600R17ME4BOSA1
FF600R17ME4_B11	SP000885614	FF600R17ME4B11BOSA1	AG-ECONOD	FF600R17ME4B11BOSA1
FF650R17IE4	SP000614664	FF650R17IE4BOSA1	AG-PRIME2	FF650R17IE4BOSA1
FS100R17N3E4	SP000880972	FS100R17N3E4BOSA1	AG-ECONO3B	FS100R17N3E4BOSA1
FS225R17OE4	SP000690912	FS225R17OE4BOSA1	AG-ECONOPP	FS225R17OE4BOSA1
FS300R17OE4	SP000690908	FS300R17OE4BOSA1	AG-ECONOPP	FS300R17OE4BOSA1
FS300R17OE4_B81	SP002753992	FS300R17OE4B81BPSA1	AG-ECONOPP	FS300R17OE4B81BPSA1
FS450R17OE4	SP000690868	FS450R17OE4BOSA1	AG-ECONOPP	FS450R17OE4BOSA1
FS500R17OE4D	SP000959622	FS500R17OE4DBOSA1	N.A.	FS500R17OE4DBOSA1
FS500R17OE4D_B81	SP002754004	FS500R17OE4DB81BPSA1	AG-ECONOPP	FS500R17OE4DB81BPSA1
FS75R17KE3	SP000100436	FS75R17KE3BOSA1	AG-ECONO3	FS75R17KE3BOSA1
FZ400R17KE3	SP000100777	FZ400R17KE3HOSA1	AG-62MM	FZ400R17KE3HOSA1
FZ400R17KE4	SP000713612	FZ400R17KE4HOSA1	AG-62MM	FZ400R17KE4HOSA1
FZ600R17KE3	SP000100778	FZ600R17KE3HOSA1	AG-62MM	FZ600R17KE3HOSA1
FZ600R17KE4	SP000713626	FZ600R17KE4HOSA1	AG-62MM	FZ600R17KE4HOSA1