

# Product/process change notification

PCN N° 2021-117-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

## Introduction of additional wafer production with 8” Wafer diameter for IGBT3 and Diode EC3 4500V technology in IH11 and IH12 housing.

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 **2022-01-17**
- 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  
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► **Products affected**

4500V IGBT Modules in IH11 and IH12 housing;  
Please refer to attached affected product list 1\_cip21117a

► **Detailed change information**

**Subject** Introduction of additional wafer production with  
- 8 inch (200mm) wafer diameter capability for IGBT Chips and  
- 8 inch (200mm) wafer diameter for Diode products.

**Reason** Capacity extension and increasing security of supply 4500V IGBT and Diode  
For IGBTs and Diodes the 8” wafer manufacturing technology is, State of the Art’ wafer manufacturing technology at Infineon. Therefore, the above-mentioned products will be shifted from 6 inch wafer diameter to 8 inch wafer diameter.

**Description**

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> <li>■ <b>IGBT</b> <u>6 inch:</u> - Front end Villach/ Austria</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>IGBT</b> <u>6 inch:</u> - Front end Villach/ Austria</li> <li><u>8 inch:</u> - Front end Villach/ Austria</li> <li>→Target production front end Villach/ Austria 8”inch</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Diode</b> <u>6 inch:</u> - Front end Villach/ Austria</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Diode</b> <u>6 inch:</u> - Front end Villach/ Austria</li> <li><u>8 inch</u> - Front end Villach/ Austria</li> <li>■ →Target production front end Villach/ Austria 8 inch</li> </ul>
<ul style="list-style-type: none"> <li>■</li> </ul>	<ul style="list-style-type: none"> <li>■</li> </ul>

► **Product identification**

Individual production lot number.

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## ► Impact of change

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

## ► Attachments

1\_cip21117\_a      affected product list

## ► Time schedule

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>■ Final qualification report</li> <li>■ First samples available</li> <li>■ Intended start of delivery</li> </ul> | <p>available</p> <p>on request</p> <p>2022-03-01 or earlier depending on customer approval</p> |
|---|--|

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	Mat# alt	Mat# neu
DD1200S45KL3_B5	SP000997618	DD1200S45KL3B5NOSA1	A-IHV130	37681	49091
DD400S45KL3_B5	SP000966952	DD400S45KL3B5NOSA1	A-IHV130	37087	49167
DD800S45KL3_B5	SP001035680	DD800S45KL3B5NPSA1	A-IHV130	38074	49157
FD800R45KL3-K_B5	SP001051120	FD800R45KL3KB5NPSA1	A-IHV190	38076	49100
FZ1200R45KL3_B5	SP001035692	FZ1200R45KL3B5NOSA1	A-IHV190	37981	47263
FZ1200R45KL3_B5	SP000862436	FZ1200R45KL3B5NOSA2	A-IHV190	35243	49204
FZ1200R45KL3_B5_P2	SP000978568	FZ1200R45KL3B5P2NOSA1	A-IHV190	37082	49205
FZ800R45KL3_B5	SP000966956	FZ800R45KL3B5NOSA1	A-IHV130	37083	49203
FZ800R45KL3_B5	SP001035696	FZ800R45KL3B5NOSA2	A-IHV130	37980	49098