

# Product/process change notification

PCN N° 2022-007-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

## Capacity extension by introduction of 300mm wafer diameter for dedicated OptiMOS™5 products at Infineon Technologies Dresden, Germany for PG-TSDSON-6 packages

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 **2022-12-08**
- 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

Postal address D-81726 München Internet [www.infineon.com](http://www.infineon.com) Headquarters Am Campeon 1-15, D-85579 Neubiberg Phone +49 (0)89 234-0

Chairman of the Supervisory Board Dr. Wolfgang Eder

Management Board Jochen Hanebeck (CEO), Dr. Helmut Gassel, Constanze Hufenbecher, Dr. Sven Schneider, Dr. Rutger Wijburg

Registered office Neubiberg Commercial register Amtsgericht München HRB 126492

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► **Products affected** Please refer to attached affected product list 1\_cip22007\_a

► **Detailed change information**

**Subject** Introduction of 300mm wafer diameter at Infineon Technologies Dresden GmbH

**Reason** Next phase of Front-End capacity expansion by introduction of 300mm wafer diameter to support continuous increasing customer demand.

Description		<u>Old</u>	<u>New</u>
Wafer Production Site & Wafer Test		<ul style="list-style-type: none"> <li>Infineon Technologies Austria AG, Villach, Austria (200mm)</li> </ul>	<ul style="list-style-type: none"> <li>Infineon Technologies Austria AG, Villach, Austria (200mm)</li> </ul> <p>and</p> <ul style="list-style-type: none"> <li>Infineon Technologies Dresden GmbH, Germany (300mm)</li> </ul>
Wafer lot number		<ul style="list-style-type: none"> <li>VExxxxxx (Villach,200mm)</li> </ul>	<ul style="list-style-type: none"> <li>VExxxxxx (Villach,200mm)</li> <li>VFxxxxxx (Villach,300mm)</li> </ul> <p>and</p> <ul style="list-style-type: none"> <li>ZFxxxxxx (Dresden,300mm)</li> </ul>

► **Product identification** External traceability is assured via wafer lot number & country of diffusion on the product barcode label

► **Impact of change**

**NO** change on electrical, thermal parameters and reliability as proven via product qualification and characterization.

**NO** change in existing datasheet parameters

**NO** change in quality and reliability. Processes are optimized to meet product performance according to already applied Infineon specification

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## ► Attachments

1\_cip22007\_a      affected product list

## ► Time schedule

- |                              |  |
|------------------------------|--|
| ■ Final qualification report | on request                                       |
| ■ First samples available    | on request                                       |
| ■ Intended start of delivery | 2022-12-30 or earlier based on customer approval |

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

## PCN 2022-007-A

Capacity extension by introduction of 300mm wafer diameter for dedicated OptiMOS™5 products at Infineon Technologies Dresden, Germany for PG-TSDSON-6 packages



Affected products sold to DIGI-KEY (4002348)

Sales name	SP number	OPN	Package	Customer part number
IRL100HS121	SP001592836	IRL100HS121	PG-TSDSON-6	IRL100HS121
IRL60HS118	SP001592258	IRL60HS118	PG-TSDSON-6	IRL60HS118
IRL80HS120	SP001592838	IRL80HS120	PG-TSDSON-6	IRL80HS120