

# Product/process change notification

PCN N° 2022-028-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

**Capacity extension for dedicated Gen10.7 products by introduction of additional wafer manufacturing site at Samsung Electronics Co. Ltd., Korea and Infineon Technologies Dresden, Germany**

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 **2022-03-18**
- 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

# Product/process change notification

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## ■ Products affected

Please refer to attached affected product list 1\_cip22028\_a

## ■ Detailed change information

**Subject** Capacity extension for dedicated Gen10.7 products by introduction of additional wafer manufacturing site at Samsung Electronics Co. Ltd., Korea and Infineon Technologies Dresden, Germany

**Reason** Extension of wafer manufacturing sites for additional capacity to ensure continuity of supply and flexible manufacturing

| Description                      | <u>Old</u>  | <u>New</u>  |
|----------------------------------|---|---|
| <b>Wafer Production Location</b> | <ul style="list-style-type: none"> <li>■ Newport Wafer Fab Ltd. (NWF Ltd.), United Kingdom</li> <li>■ Vanguard International Semiconductor Corporation, Taiwan</li> <li>■ Tower Semiconductor Ltd., Israel</li> <li>■ Infineon Technologies Dresden GmbH, Dresden, Germany</li> </ul> | <ul style="list-style-type: none"> <li>■ Existing Wafer Production Locations see “old”</li> <li>■ Samsung Electronics Co, Ltd., Korea</li> <li>■ Infineon Technologies Dresden GmbH, Germany</li> </ul> |

## ■ Product identification

Internal and external traceability is assured via SP number, country of diffusion, and wafer lot number (refer to 3\_cip22028\_a)

## ■ 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_cip22028_a | affected product list        |
| 2_cip22028_a | qualification report         |
| 3_cip22028_a | customer information package |

## ■ Time schedule

|                              |  |
|------------------------------|--|
| ■ Final qualification report | available  |
| ■ First samples available    | on request   |
| ■ Intended start of delivery | 2022-04-01 (or earlier based on customer approval) |

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



## PCN N° 2022-028-A

Capacity extension for dedicated Gen10.7 products by introduction of additional wafer manufacturing site at Samsung Electronics Co. Ltd., Korea and Infineon Technologies Dresden, Germany

| Sales name      | SP number   | OPN             | Package    |
|-----------------|-------------|-----------------|------------|
| 64-0090PBF      | SP001574300 | 64-0090PBF      | PG-TO220-3 |
| 64-2123PBF      | SP001560764 | 64-2123PBF      | PG-TO263-3 |
| 64-2128PBF-CU-V | SP001693762 | 64-2128PBF-CU-V | PG-TO263-3 |
| 64-2138PBF      | SP001574276 | 64-2138PBF      | PG-TO263-3 |
| 64-2140PBF      | SP001569346 | 64-2140PBF      | PG-TO263-3 |
| 64-2141PBF-V    | SP001693778 | 64-2141PBF-V    | PG-TO263-3 |
| 64-2145PBF      | SP001553638 | 64-2145PBF      | PG-TO263-3 |
| 64-2147PBF      | SP001569338 | 64-2147PBF      | PG-TO263-3 |
| 64-2152PBF      | SP001575010 | 64-2152PBF      | PG-TO263-3 |
| 64-2162PBF      | SP001575018 | 64-2162PBF      | PG-TO263-3 |
| IRF100B202      | SP001561488 | IRF100B202      | PG-TO220-3 |
| IRF1018EPBF     | SP001574502 | IRF1018EPBF     | PG-TO220-3 |
| IRF1018ESTRLPBF | SP001564496 | IRF1018ESTRLPBF | PG-TO263-3 |
| IRF200B211      | SP001561622 | IRF200B211      | PG-TO220-3 |
| IRFB3004PBF     | SP001572420 | IRFB3004PBF     | PG-TO220-3 |
| IRFB3006GPBF    | SP001577692 | IRFB3006GPBF    | PG-TO220-3 |
| IRFB3006PBF     | SP001570606 | IRFB3006PBF     | PG-TO220-3 |
| IRFB3077PBF     | SP001575594 | IRFB3077PBF     | PG-TO220-3 |
| IRFB3206GPBF    | SP001565784 | IRFB3206GPBF    | PG-TO220-3 |
| IRFB3206PBF     | SP001566480 | IRFB3206PBF     | PG-TO220-3 |
| IRFB3207ZGPBF   | SP001554560 | IRFB3207ZGPBF   | PG-TO220-3 |
| IRFB3207ZPBF    | SP001575584 | IRFB3207ZPBF    | PG-TO220-3 |
| IRFB3256PBF     | SP001577830 | IRFB3256PBF     | PG-TO220-3 |
| IRFB3306GPBF    | SP001555952 | IRFB3306GPBF    | PG-TO220-3 |
| IRFB3306PBF     | SP001556002 | IRFB3306PBF     | PG-TO220-3 |
| IRFB3307ZPBF    | SP001564038 | IRFB3307ZPBF    | PG-TO220-3 |
| IRFB3407ZPBF    | SP001560202 | IRFB3407ZPBF    | PG-TO220-3 |
| IRFB3607PBF     | SP001551746 | IRFB3607PBF     | PG-TO220-3 |
| IRFB3806PBF     | SP001572380 | IRFB3806PBF     | PG-TO220-3 |
| IRFB4019PBF     | SP001572370 | IRFB4019PBF     | PG-TO220-3 |
| IRFB4020PBF     | SP001564028 | IRFB4020PBF     | PG-TO220-3 |
| IRFB4110GPBF    | SP001556050 | IRFB4110GPBF    | PG-TO220-3 |

|                |             |                     |            |
|----------------|-------------|---------------------|------------|
| IRFB4110PBF    | SP001570598 | IRFB4110PBF         | PG-TO220-3 |
| IRFB4110PBF    | SP005732686 | IRFB4110PBFXKMA1    | PG-TO220-3 |
| IRFB4115PBF    | SP001565902 | IRFB4115PBF         | PG-TO220-3 |
| IRFB4127PBF    | SP001560212 | IRFB4127PBF         | PG-TO220-3 |
| IRFB4227PBF    | SP001565892 | IRFB4227PBF         | PG-TO220-3 |
| IRFB4227PBF    | SP005582179 | IRFB4227PBFAKSA1    | PG-TO220-3 |
| IRFB4228PBF    | SP001575554 | IRFB4228PBF         | PG-TO220-3 |
| IRFB4229PBF    | SP001565910 | IRFB4229PBF         | PG-TO220-3 |
| IRFB4310ZPBF   | SP001570588 | IRFB4310ZPBF        | PG-TO220-3 |
| IRFB4321PBF    | SP001577790 | IRFB4321PBF         | PG-TO220-3 |
| IRFB4332PBF    | SP001556040 | IRFB4332PBF         | PG-TO220-3 |
| IRFB4410ZGPBF  | SP001554600 | IRFB4410ZGPBF       | PG-TO220-3 |
| IRFB4410ZPBF   | SP001564008 | IRFB4410ZPBF        | PG-TO220-3 |
| IRFB4510PBF    | SP001566724 | IRFB4510PBF         | PG-TO220-3 |
| IRFB4615PBF    | SP001565882 | IRFB4615PBF         | PG-TO220-3 |
| IRFB4620PBF    | SP001563998 | IRFB4620PBF         | PG-TO220-3 |
| IRFB5615PBF    | SP001575534 | IRFB5615PBF         | PG-TO220-3 |
| IRFB5620PBF    | SP001565852 | IRFB5620PBF         | PG-TO220-3 |
| IRFI3306GPBF   | SP001556626 | IRFI3306GPBF        | PG-TO220-3 |
| IRFI4019H-117P | SP001560458 | IRFI4019H-117P      | PG-TO220-3 |
| IRFI4019H-117P | SP005547284 | IRFI4019H-117PXKMA1 | PG-TO220-5 |
| IRFI4020H-117P | SP001556636 | IRFI4020H-117P      | PG-TO220-3 |
| IRFI4020H-117P | SP005547286 | IRFI4020H-117PXKMA1 | PG-TO220-5 |
| IRFI4110GPBF   | SP001556598 | IRFI4110GPBF        | PG-TO220-3 |
| IRFI4227PBF    | SP001564096 | IRFI4227PBF         | PG-TO220-3 |
| IRFI4229PBF    | SP001575824 | IRFI4229PBF         | PG-TO220-3 |
| IRFI4321PBF    | SP001556676 | IRFI4321PBF         | PG-TO220-3 |
| IRFI4410ZPBF   | SP001566742 | IRFI4410ZPBF        | PG-TO220-3 |
| IRFP3006PBF    | SP001556714 | IRFP3006PBF         | PG-TO247-3 |
| IRFP3077PBF    | SP001566982 | IRFP3077PBF         | PG-TO247-3 |
| IRFP3206PBF    | SP001578056 | IRFP3206PBF         | PG-TO247-3 |
| IRFP3306PBF    | SP001564200 | IRFP3306PBF         | PG-TO247-3 |
| IRFP4110PBF    | SP001556724 | IRFP4110PBF         | PG-TO247-3 |
| IRFP4127PBF    | SP001566148 | IRFP4127PBF         | PG-TO247-3 |
| IRFP4127PBF    | SP005596353 | IRFP4127PBFKMA1     | PG-TO247-3 |
| IRFP4227PBF    | SP001560510 | IRFP4227PBF         | PG-TO247-3 |
| IRFP4229PBF    | SP001578046 | IRFP4229PBF         | PG-TO247-3 |
| IRFP4310ZPBF   | SP001572864 | IRFP4310ZPBF        | PG-TO247-3 |
| IRFP4321PBF    | SP001575756 | IRFP4321PBF         | PG-TO247-3 |
| IRFP4332PBF    | SP001578038 | IRFP4332PBF         | PG-TO247-3 |
| IRFP4332PBF    | SP005582181 | IRFP4332PBFXKMA1    | PG-TO247-3 |
| IRFP4368PBF    | SP001556774 | IRFP4368PBF         | PG-TO247-3 |
| IRFP4468PBF    | SP001554960 | IRFP4468PBF         | PG-TO247-3 |
| IRFP4568PBF    | SP001560548 | IRFP4568PBF         | PG-TO247-3 |

|                 |             |                 |            |
|-----------------|-------------|-----------------|------------|
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| IRFP4768PBF     | SP001571028 | IRFP4768PBF     | PG-TO247-3 |
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| IRFR3607TRPBF   | SP001567010 | IRFR3607TRPBF   | PG-TO252-3 |
| IRFR3806TRPBF   | SP001564890 | IRFR3806TRPBF   | PG-TO252-3 |
| IRFR4510TRPBF   | SP001567870 | IRFR4510TRPBF   | PG-TO252-3 |
| IRFR4615TRLPBF  | SP001560646 | IRFR4615TRLPBF  | PG-TO252-3 |
| IRFR4620TRLPBF  | SP001552208 | IRFR4620TRLPBF  | PG-TO252-3 |
| IRFS3004TRL7PP  | SP001557236 | IRFS3004TRL7PP  | PG-TO263-7 |
| IRFS3004TRLPBF  | SP001557246 | IRFS3004TRLPBF  | PG-TO263-3 |
| IRFS3006TRL7PP  | SP001552266 | IRFS3006TRL7PP  | PG-TO263-7 |
| IRFS3006TRLPBF  | SP001567578 | IRFS3006TRLPBF  | PG-TO263-3 |
| IRFS3107TRL7PP  | SP001571528 | IRFS3107TRL7PP  | PG-TO263-7 |
| IRFS3107TRLPBF  | SP001576238 | IRFS3107TRLPBF  | PG-TO263-3 |
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| IRFS3207ZTRRPBF | SP001565050 | IRFS3207ZTRRPBF | PG-TO263-3 |
| IRFS3306TRLPBF  | SP001568056 | IRFS3306TRLPBF  | PG-TO263-3 |
| IRFS3307ZTRLPBF | SP001565042 | IRFS3307ZTRLPBF | PG-TO263-3 |
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| IRFS3806TRLPBF  | SP001573492 | IRFS3806TRLPBF  | PG-TO263-3 |
| IRFS4010TRL7PP  | SP001557352 | IRFS4010TRL7PP  | PG-TO263-7 |
| IRFS4010TRLPBF  | SP001550124 | IRFS4010TRLPBF  | PG-TO263-3 |
| IRFS4020TRLPBF  | SP001573468 | IRFS4020TRLPBF  | PG-TO263-3 |
| IRFS4115TRL7PP  | SP001550134 | IRFS4115TRL7PP  | PG-TO263-7 |
| IRFS4115TRLPBF  | SP001578272 | IRFS4115TRLPBF  | PG-TO263-3 |
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| IRFS4227TRLPBF  | SP001567810 | IRFS4227TRLPBF  | PG-TO263-3 |
| IRFS4229TRLPBF  | SP001557392 | IRFS4229TRLPBF  | PG-TO263-3 |
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| IRFS4321TRL7PP  | SP001568024 | IRFS4321TRL7PP  | PG-TO263-7 |
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| IRFS4321TRRPBF  | SP001565026 | IRFS4321TRRPBF  | PG-TO263-3 |
| IRFS4410ZTRLPBF | SP001567800 | IRFS4410ZTRLPBF | PG-TO263-3 |
| IRFS4510TRLPBF  | SP001557402 | IRFS4510TRLPBF  | PG-TO263-3 |
| IRFS4615TRLPBF  | SP001573450 | IRFS4615TRLPBF  | PG-TO263-3 |
| IRFS4620TRLPBF  | SP001568008 | IRFS4620TRLPBF  | PG-TO263-3 |
| IRLS4030TRL7PP  | SP001569054 | IRLS4030TRL7PP  | PG-TO263-7 |