

Product/Process Change Notification

N° 2021-065-A

Dear customer,

please find attached our Infineon Technologies AG PCN:

Several changes affecting OptiMOS-T2 Power-Transistor technology

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 2023-05-23.
- 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.

Infineon Technologies AG

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Product/Process Change Notification

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Products affected

Please refer to attached affected product list PCN 2021-065-A [customer-no].pdf

Detailed change information

Subject: Several changes affecting OptiMOS-T2 Power-Transistor technology

Reason/Motivation: Due to continuously raising demand for Infineon automotive products exceeding the capacity in wafer fab Regensburg, we have extended our FE capacity. Ensure delivery capability by establishing SFET3 technology at well known

Description	Old	New
PROCESS - WAFER PRODUCTION: New / change of metallization (specifically chip frontside)	Site specific internal Tungsten thickness at site Regensburg	Site specific internal Tungsten thickness at site Regensburg AND Site specific internal Tungsten thickness at site Kulim
PROCESS - WAFER PRODUCTION: Move of all or part of wafer fab to a different location/site/subcontractor	Infineon Technologies AG, Regensburg, Germany	Infineon Technologies AG, Regensburg, Germany AND Infineon Technologies (Kulim) Sdn. Bhd., Kulim, Malaysia
Datasheet updates	IPB180N08S4-02, IPD50N08S4-13, IPP80N08S4-06, IPP120N08S4-03, IPB120N08S4-03, IPB120N08S4-04, IPB180N10S4-02, IPB180N10S4-03, IPD60N10S4-12, IPD90N10S4-06, IPG20N10S4-36A, IPB120N10S4-03, IPB120N10S4-05, IPP120N10S4-05 Revision 1.0	 Revision 1.1
Datasheet updates	IPD90N08S4-05, IPG16N10S4-61A, IPG16N10S4-61 Revision 1.1	 Revision 1.2

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Product identification

Wafer lot numbers from Regensburg start with RUxxxxxx.
 Wafer lot numbers from Kulim with 1Exxxxxx or 1Fxxxxxx.
 Traceability assured via date code.
 No change in SP ordering number

Anticipated impact of change

Based on the qualification performed, Infineon does not expect any impact on form, fit, function, reliability or processability.

DeQuMa-ID(s): SEM-PW-07 / SEM-PW-13

Attachments

PCN_2021-065-A_[customer-no].pdf affected product list

Time schedule

Final qualification report	available upon request
First samples available	on request
Intended start of delivery [1]	2023-10-12
Last order date (LOD) [2]	2023-10-12
Last delivery date (LDD) [3]	2024-10-12

[1] Provided date or earlier after customer approval.

[2] Last date where orders for unchanged products will be accepted.

[3] Last date for delivery of unchanged products. Delivery of changed products 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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Affected products sold to FUTURE ELECTRONICS INC. (4000624)

Sales name	SP number	OPN	Package	Customer part number
IPB120N10S4-05	SP001102592	IPB120N10S405ATMA1	PG-TO263-3-2	IPB120N10S405ATMA1
IPB180N10S4-02	SP001057184	IPB180N10S402ATMA1	PG-TO263-7-3	IPB180N10S402ATMA1
IPD50N08S4-13	SP000988948	IPD50N08S413ATMA1	PG-TO252-3-313	IPD50N08S413ATMA1
IPG16N10S4-61	SP000892972	IPG16N10S461ATMA1	PG-TDSON-8-4	IPG16N10S461ATMA1
IPG20N10S4-36A	SP001102930	IPG20N10S436AATMA1	PG-TDSON-8-10	IPG20N10S436AATMA1

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Several changes affecting OptiMOS-T2 Power-Transistor technology

Affected products sold to FUTURE ELECTRONICS LTD. (4049887)

Sales name	SP number	OPN	Package	Customer part number
IPB180N10S4-02	SP001057184	IPB180N10S402ATMA 1	PG-TO263-7-3	IPB180N10S402ATMA1
IPG16N10S4-61A	SP001091952	IPG16N10S461AATMA 1	PG-TDSON-8-10	IPG16N10S461AATMA1