Product / Process Change Notification

N° 2018-013-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Capacity Extension by Introduction of 300mm Wafer Diameter for Dedicated OptiMOS™ Products at Infineon Technologies Dresden, Germany & Harmonization of Bill of Material (BoM)

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 **27th July 2018**.
- 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 Technologies 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
Postal Address Headquarters: Am Campeon 1-15, D-85579 Neubiberg, Phone +49 (0)89 234-0
Chairman of the Supervisory Board: Dr. Eckart Sünner
Management Board: Dr. Reinhard Ploss (CEO), Dominik Asam, Dr. Helmut Gassel, Jochen Hanebeck
Registered Office: Neubiberg Commercial Register
Amtsgericht München HRB 126492

Product / Process Change Notification

N° 2018-013-A

▸ Products affected:

Please refer to attached affected product list 1_cip18013_a.xlsx

▸ Detailed Change Information:

Subject:

(a) Introduction of 300mm wafer diameter at Infineon Technologies Dresden GmbH.

(b) Standardization of pad design and metallization process

(c) Standardization of mould compound for TDSON-8 package

(d) Standardization of gate wire bond for TDSON-8 package

Reason:

(a) Next phase of Front End capacity expansion by introduction of 300mm wafer diameter to support continuous increasing customer demand.

(b), (c), (d) Standardization of bill of material (BoM) allows Infineon to improve efficiency & flexibility in the manufacturing environment by significant complexity reduction within the whole production chain.

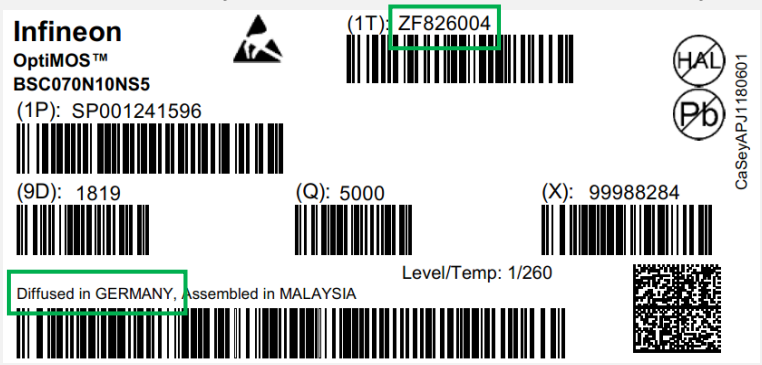
Description:	**Old**	**New**
(a) Wafer production sites with wafer diameter:	■ Infineon Technologies Austria AG, Villach, Austria (200mm)	■ Infineon Technologies Austria AG, Villach, Austria (200mm) *and* ■ Infineon Technologies Dresden GmbH, Germany (300mm)
(b) Standardization of pad design and metallization process:	■ Al/Cu *and* ■ Cu	■ Cu
(c) Standardizing mould compound TDSON-8 package:	■ Hitachi CEL 1772	■ Hitachi CEL 9240
(d) Standardizing of gate wire bond TDSON-8 package:	■ 38µm Au *and* ■ 30µm Au	■ 30µm Au

Product / Process Change Notification

N° 2018-013-A

▸ Product Identification:

External traceability: assured via Waferlot number & country of diffusion



▸ 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.

▸ Attachments:

Affected product list	1_cip18013_a.xlsx
Qualification Report	2_cip18013_a.pdf

▸ Time Schedule:

■ Final qualification report:	available
■ First samples available:	on request
■ Intended start of delivery:	01-09-2018 or earlier upon customer approval

Summary:

All changes to be applied reflect Infineon's efforts to respond to increasing customer demand in mid and long term.

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

PCN N° 2018-013-A

Capacity Extension by Introduction of 300mm Wafer Diameter at Infineon Technologies Dresden, Germany & Harmonization of Bill of Material (BoM)

(a) Introduction of 300mm wafer diameter at Infineon Technologies Dresden GmbH.

Sales Name	SP number	OPN	Package	(a) 300mm wafer diameter	(b) pad design & metallization	(c) mould compound	(d) gate wire bond
BSC026N08NS5	SP001154276	BSC026N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC030N08NS5	SP001077098	BSC030N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC035N10NS5	SP001229628	BSC035N10NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC037N08NS5	SP001294988	BSC037N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC040N08NS5	SP001132452	BSC040N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC040N10NS5	SP001295030	BSC040N10NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC040N10NS5 E8203	SP001315874	BSC040N10NS5E8203ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC052N08NS5	SP001232632	BSC052N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC061N08NS5	SP001232634	BSC061N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC070N10NS5	SP001241596	BSC070N10NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC072N08NS5	SP001232628	BSC072N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC098N10NS5	SP001241598	BSC098N10NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSC117N08NS5	SP001295028	BSC117N08NS5ATMA1	PG-TDSON-8	affected	affected	affected	not affected
BSZ0602LS	SP001589450	BSZ0602LSATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ070N08LS5	SP001352992	BSZ070N08LS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ075N08NS5	SP001132454	BSZ075N08NS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ084N08NS5	SP001227056	BSZ084N08NS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ096N10LS5	SP001352994	BSZ096N10LS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ097N10NS5	SP001132550	BSZ097N10NS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ110N08NS5	SP001154280	BSZ110N08NS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
BSZ146N10LS5	SP001385466	BSZ146N10LS5ATMA1	PG-TSDSON-8	affected	not affected	not affected	not affected
IPA083N10N5	SP001226038	IPA083N10N5XKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPA083N10N5	SP001226038	IPA083N10N5XKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPA083N10N5 E8191	SP001712278	IPA083N10N5E8191XKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPB015N08N5	SP001226034	IPB015N08N5ATMA1	PG-TO263-7	affected	not affected	not affected	not affected
IPB017N08N5	SP001132472	IPB017N08N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB017N10N5	SP001227028	IPB017N10N5ATMA1	PG-TO263-7	affected	not affected	not affected	not affected
IPB019N08N5	SP001691928	IPB019N08N5ATMA1	PG-TO263-7	affected	not affected	not affected	not affected
IPB020N08N5	SP001227042	IPB020N08N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB020N10N5	SP001132558	IPB020N10N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB024N08N5	SP001227044	IPB024N08N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB024N10N5	SP001482034	IPB024N10N5ATMA1	PG-TO263-7	affected	not affected	not affected	not affected
IPB024N10N5 E8197	SP001595196	IPB024N10N5E8197ATMA1	PG-TO263-7	affected	not affected	not affected	not affected
IPB027N10N5	SP001227034	IPB027N10N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB027N10N5 E8187	SP001586342	IPB027N10N5E8187ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB031N08N5	SP001227048	IPB031N08N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPB032N10N5	SP001607808	IPB032N10N5ATMA1	PG-TO263-7	affected	not affected	not affected	not affected
IPB049N08N5	SP001227052	IPB049N08N5ATMA1	PG-TO263-3	affected	not affected	not affected	not affected
IPP020N08N5	SP001132480	IPP020N08N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP023N08N5	SP001132482	IPP023N08N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP023N10N5	SP001120504	IPP023N10N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP027N08N5	SP001132484	IPP027N08N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP030N10N5	SP001227032	IPP030N10N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP034N08N5	SP001227046	IPP034N08N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP039N10N5	SP001602186	IPP039N10N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP052N08N5	SP001227050	IPP052N08N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPP083N10N5	SP001226036	IPP083N10N5AKSA1	PG-TO220-3	affected	not affected	not affected	not affected
IPT012N08N5	SP001227054	IPT012N08N5ATMA1	PG-HSOF-8	affected	not affected	not affected	not affected
IPT015N10N5	SP001227040	IPT015N10N5ATMA1	PG-HSOF-8	affected	not affected	not affected	not affected
IPT029N08N5	SP001581494	IPT029N08N5ATMA1	PG-HSOF-8	affected	not affected	not affected	not affected
BSC014N03LS G	SP000394677	BSC014N03LSGATMA1	PG-TDSON-8	not affected	affected	affected	affected
BSC014N03MS G	SP000394681	BSC014N03MSGATMA1	PG-TDSON-8	not affected	affected	affected	affected

BSC016N04LS G	SP000394801	BSC016N04LSGATMA1	PG-TDSON-8	not affected	affected	affected	affected
BSC016N04LS G E8193	SP001212156	BSC016N04LSGE8193ATMA1	PG-TDSON-8	not affected	affected	affected	affected
BSC017N04NS G	SP000394684	BSC017N04NSGATMA1	PG-TDSON-8	not affected	affected	affected	affected
BSC036NE7NS3 G	SP000907920	BSC036NE7NS3GATMA1	PG-TDSON-8	not affected	affected	affected	not affected
BSC046N10NS3 G	SP000907922	BSC046N10NS3GATMA1	PG-TDSON-8	not affected	affected	affected	not affected
BSC093N15NS5	SP001279590	BSC093N15NS5ATMA1	PG-TDSON-8	not affected	affected	affected	not affected
BSC110N15NS5	SP001181418	BSC110N15NS5ATMA1	PG-TDSON-8	not affected	affected	affected	not affected
BSC110N15NS5 E8225	SP001819914	BSC110N15NS5E8225ATMA1	PG-TDSON-8	not affected	affected	affected	not affected
BSC160N15NS5	SP001181422	BSC160N15NS5ATMA1	PG-TDSON-8	not affected	affected	affected	not affected