

Product / Process Change Notification



N° 2015-097-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Introduction of imide and additional wafer fab and wafer test location in Kulim, Malaysia, for automotive power products in SFET4 60V 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 **14th July 2016**.
- 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.**”
- This PCN includes a **Product Discontinuation Notice** (JEDEC STANDARD “JESD48“) on pages 4/5/6.

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.

Disclaimer:

If we do not receive any response by the date in the PCN above we consider this as the acceptance of the PCN. After the last order date as stated herein, purchase orders related to the unchanged product(s) cannot be accepted.

In case the customer rejects this PCN this PCN shall be considered a product discontinuation notice (PD).

Infineon Technologies AG
Chairman of the Supervisory Board: Wolfgang Mayrhuber
Management Board: Dr. Reinhard Ploss (CEO), Dominik Asam, Arunjai Mittal
Registered Office: Neubiberg
Commercial Register: München HRB 126492

Product / Process Change Notification



N° 2015-097-A

► **Products affected:** Please refer to 1_cip15097

► **Detailed Change Information:**

Subject: Additional wafer fab and wafer test location in Kulim, Malaysia, for automotive power products in SFET4 60V technology.
Introduction of imide and 3 layer backside metallization.
Enlarged gate pad.

Reason: Quality improvement due to Automotive Excellence Program “Zero Defect” and capacity increase.
Due to continuously raising demand for Infineon automotive products and in order to secure customer deliveries we have to implement the well-known front end (FE) location Kulim as additional wafer production and wafer testing site.

Description:		<u>Old</u>	<u>New</u>
Design		■ ‘Old’ gatepad	■ Enlarged gatepad with new layout
Passivation		■ No imide passivation.	■ Imide passivation.
Backside metallisation		■ 4 layer backside metallization	■ 3 layer backside metallization.
Wafer production site		■ Infineon Technologies AG, Villach, Austria	■ Infineon Technologies AG, Villach, Austria or Infineon Technologies AG, Kulim, Malaysia
Wafer testing site		■ Infineon Technologies AG, Villach, Austria	■ Infineon Technologies AG, Villach, Austria or Infineon Technologies AG, Kulim, Malaysia

► **Product Identification:** The product identification can be done by datecode (internal SP and MA numbers)

► **Impact of Change:** No change in form, fit, function and processability.
No impact on parameters and reliability proven via technology and product qualification.

► **Attachments:** 1_cip15097 List of affected products

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► Time Schedule:

■ Final qualification report:	Available
■ First samples available:	Available (some products available on customer request only)
■ Intended start of delivery:	01-December-2016 or earlier after customer release
■ Last order date of unchanged product:	01-December -2016
■ Last delivery date of unchanged product:	01-June-2017

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

PRODUCT DISCONTINUATION

PD15097



referring to PCN N° 2015-097-A

■ Last order date of unchanged product:	2016-12-01
■ Last delivery date of unchanged product:	2017-06-01

DISCONTINUED				NEW (REPLACEMENT)			
Device	Ordering Code	OPN	Package	Device	Ordering Code	OPN	Package
IPB120N06S4-02	SP000415560	IPB120N06S402ATMA1	PG-TO263-3	IPB120N06S4-02	SP001028776	IPB120N06S402ATMA2	PG-TO263-3
IPB120N06S4-03	SP000415558	IPB120N06S403ATMA1	PG-TO263-3	IPB120N06S4-03	SP001028770	IPB120N06S403ATMA2	PG-TO263-3
IPB120N06S4-H1	SP000396274	IPB120N06S4H1ATMA1	PG-TO263-3	IPB120N06S4-H1	SP001028782	IPB120N06S4H1ATMA2	PG-TO263-3
IPB180N06S4-H1	SP000415562	IPB180N06S4H1ATMA1	PG-TO263-7	IPB180N06S4-H1	SP001028786	IPB180N06S4H1ATMA2	PG-TO263-7
IPB45N06S4-09	SP000374315	IPB45N06S409ATMA1	PG-TO263-3	IPB45N06S4-09	SP001028652	IPB45N06S409ATMA2	PG-TO263-3
IPB45N06S4L-08	SP000374316	IPB45N06S4L08ATMA1	PG-TO263-3	IPB45N06S4L-08	SP001067954	IPB45N06S4L08ATMA3	PG-TO263-3
IPB80N06S4-05	SP000415566	IPB80N06S405ATMA1	PG-TO263-3	IPB80N06S4-05	SP001028718	IPB80N06S405ATMA2	PG-TO263-3
IPB80N06S4-07	SP000415568	IPB80N06S407ATMA1	PG-TO263-3	IPB80N06S4-07	SP001028672	IPB80N06S407ATMA2	PG-TO263-3
IPB80N06S4L-05	SP000415570	IPB80N06S4L05ATMA1	PG-TO263-3	IPB80N06S4L-05	SP001028720	IPB80N06S4L05ATMA2	PG-TO263-3
IPB80N06S4L-07	SP000415572	IPB80N06S4L07ATMA1	PG-TO263-3	IPB80N06S4L-07	SP001028674	IPB80N06S4L07ATMA2	PG-TO263-3
IPB90N06S4-04	SP000379632	IPB90N06S404ATMA1	PG-TO263-3	IPB90N06S4-04	SP001028754	IPB90N06S404ATMA2	PG-TO263-3
IPB90N06S4L-04	SP000415574	IPB90N06S4L04ATMA1	PG-TO263-3	IPB90N06S4L-04	SP001028756	IPB90N06S4L04ATMA2	PG-TO263-3

PRODUCT DISCONTINUATION

PD15097



referring to PCN N° 2015-097-A

■ Last order date of unchanged product: 2016-12-01

■ Last delivery date of unchanged product: 2017-06-01

DISCONTINUED				NEW (REPLACEMENT)			
Device	Ordering Code	OPN	Package	Device	Ordering Code	OPN	Package
IPD100N06S4-03	SP000415576	IPD100N06S403ATMA1	PG-TO252-3	IPD100N06S4-03	SP001028766	IPD100N06S403ATMA2	PG-TO252-3
IPD25N06S4L-30	SP000481508	IPD25N06S4L30ATMA1	PG-TO252-3	IPD25N06S4L-30	SP001028636	IPD25N06S4L30ATMA2	PG-TO252-3
IPD30N06S4L-23	SP000374320	IPD30N06S4L23ATMA1	PG-TO252-3	IPD30N06S4L-23	SP001028638	IPD30N06S4L23ATMA2	PG-TO252-3
IPD50N06S4-09	SP000374321	IPD50N06S409ATMA1	PG-TO252-3	IPD50N06S4-09	SP001028662	IPD50N06S409ATMA2	PG-TO252-3
IPD50N06S4L-08	SP000374322	IPD50N06S4L08ATMA1	PG-TO252-3	IPD50N06S4L-08	SP001028664	IPD50N06S4L08ATMA2	PG-TO252-3
IPD50N06S4L-12	SP000476422	IPD50N06S4L12ATMA1	PG-TO252-3	IPD50N06S4L-12	SP001028640	IPD50N06S4L12ATMA2	PG-TO252-3
IPD90N06S4-04	SP000374323	IPD90N06S404ATMA1	PG-TO252-3	IPD90N06S4-04	SP001028762	IPD90N06S404ATMA2	PG-TO252-3
IPD90N06S4-05	SP000481510	IPD90N06S405ATMA1	PG-TO252-3	IPD90N06S4-05	SP001028730	IPD90N06S405ATMA2	PG-TO252-3
IPD90N06S4-07	SP000415586	IPD90N06S407ATMA1	PG-TO252-3	IPD90N06S4-07	SP001028680	IPD90N06S407ATMA2	PG-TO252-3
IPD90N06S4L-03	SP000374326	IPD90N06S4L03ATMA1	PG-TO252-3	IPD90N06S4L-03	SP001028764	IPD90N06S4L03ATMA2	PG-TO252-3
IPD90N06S4L-05	SP000415588	IPD90N06S4L05ATMA1	PG-TO252-3	IPD90N06S4L-05	SP001028748	IPD90N06S4L05ATMA2	PG-TO252-3
IPD90N06S4L-06	SP000415594	IPD90N06S4L06ATMA1	PG-TO252-3	IPD90N06S4L-06	SP001028682	IPD90N06S4L06ATMA2	PG-TO252-3

PRODUCT DISCONTINUATION

PD15097



referring to PCN N° 2015-097-A

■ Last order date of unchanged product:	2016-12-01
■ Last delivery date of unchanged product:	2017-06-01

DISCONTINUED				NEW (REPLACEMENT)			
Device	Ordering Code	OPN	Package	Device	Ordering Code	OPN	Package
IPG20N06S4-15	SP000705490	IPG20N06S415ATMA1	PG-TDSON-8	IPG20N06S4-15	SP001028634	IPG20N06S415ATMA2	PG-TDSON-8
IPG20N06S4L-14	SP000705540	IPG20N06S4L14ATMA1	PG-TDSON-8	IPG20N06S4L-14	SP001028632	IPG20N06S4L14ATMA2	PG-TDSON-8
IPI45N06S4-09	SP000374332	IPI45N06S409AKSA1	PG-TO262-3	IPI45N06S4-09	SP001028656	IPI45N06S409AKSA2	PG-TO262-3
IPI80N06S4-07	SP000415690	IPI80N06S407AKSA1	PG-TO262-3	IPI80N06S4-07	SP001028676	IPI80N06S407AKSA2	PG-TO262-3
IPI80N06S4L-07	SP000415694	IPI80N06S4L07AKSA1	PG-TO262-3	IPI80N06S4L-07	SP001028678	IPI80N06S4L07AKSA2	PG-TO262-3
IPI90N06S4L-04	SP000415696	IPI90N06S4L04AKSA1	PG-TO262-3	IPI90N06S4L-04	SP001028760	IPI90N06S4L04AKSA2	PG-TO262-3
IPP120N06S4-H1	SP000415698	IPP120N06S4H1AKSA1	PG-TO220-3	IPP120N06S4-H1	SP001028780	IPP120N06S4H1AKSA2	PG-TO220-3
IPP45N06S4-09	SP000374339	IPP45N06S409AKSA1	PG-TO220-3	IPP45N06S4-09	SP001028648	IPP45N06S409AKSA2	PG-TO220-3
IPP45N06S4L-08	SP000374340	IPP45N06S4L08AKSA1	PG-TO220-3	IPP45N06S4L-08	SP001028650	IPP45N06S4L08AKSA2	PG-TO220-3
IPP80N06S4-07	SP000415706	IPP80N06S407AKSA1	PG-TO220-3	IPP80N06S4-07	SP001028666	IPP80N06S407AKSA2	PG-TO220-3
IPP80N06S4L-07	SP000415710	IPP80N06S4L07AKSA1	PG-TO220-3	IPP80N06S4L-07	SP001028668	IPP80N06S4L07AKSA2	PG-TO220-3