

## Product / Process Change Notification



N° 2019-185-A2

Dear Customer,

please find attached our INFINEON Technologies PCN:

### **Final PCN: Several changes affecting Gen 5P Mosfets for D2PAK, DPAK, TO220 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 2021-04-12.
- 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 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. Wolfgang Eder  
Management Board: Dr. Reinhard Ploss (CEO), Dr. Helmut Gassel, Jochen Hanebeck, Dr. Sven Schneider  
Registered Office: Neubiberg  
Commercial Register: München HRB 126492

# Product / Process Change Notification



N° 2019-185-A2

## Products affected

Please refer to attached affected product list 1\_cip19185\_A2



## Detailed Change Information

**Subject:** Final PCN: Several changes affecting Gen 5P Mosfets for D2PAK, DPAK, TO220 packages

**Reason / Motivation:** Production consolidation

Description	Old	New
<b>PROCESS - WAFER PRODUCTION:</b> New / change of metallization (specifically chip backside)	Cr/Ni/Ag Sputter Process	Ti/Ni/Ag Evaporation Process
<b>PROCESS - WAFER PRODUCTION:</b> New / change of metallization (specifically chip frontside)	Al/Si	Al/Si/Cu
<b>PROCESS - WAFER PRODUCTION:</b> Move of all or part of wafer fab to a different location/site/subcontractor	Infineon Technologies Americas Corp., Temecula, United States	EPISIL Technologies Inc., Taiwan
<b>PROCESS - ASSEMBLY:</b> Change in leadframe dimensions	Dpak part AUIRFR5410TRL only: Single gage leadframe	Dpak part AUIRFR5410TRL only: Dual gage leadframe
<b>PROCESS - ASSEMBLY:</b> Change of lead frame finishing material / area (internal)	TO220 and Dpak are affected only: Ni plated in all area Cu on die pad	TFME Only TO220 and Dpak: Bare Cu in all area
<b>PROCESS - ASSEMBLY:</b> Die attach material	Dpak parts 94-4103PBF, 94- 4918PBF only: Die Attach material 44- 0014	Dpak parts 94-4103PBF, 94-4918PBF only: Die attach material 44-0314
<b>PROCESS - ASSEMBLY:</b> Change of wire bonding	Dpak parts AUIRFR5305, AUIRFR5305TR, AUIRFR5305TRL only: 12 mil Al bond wire	Dpak parts , AUIRFR5305, AUIRFR5305TR, AUIRFR5305TRL only: 10 mil Al bond wire
<b>PROCESS - ASSEMBLY:</b> Change of mold compound / encapsulation material	TO220 only: MG15F-35A	TFME only TO220 only: KE-G300BH
<b>PROCESS - ASSEMBLY:</b> Change of product marking	TO220 and Dpak: No Site code	TFME affected only: TO220 and Dpak; Site Code M
<b>PROCESS - ASSEMBLY:</b> Move of all or part of assembly to a different location/site/subcontractor.	TO220 and Dpak: Rectificadores Internacionales, S.A. de C.V., Tijuana , Mexico	TO220 and Dpak: Rectificadores Internacionales, S.A. de C.V., Tijuana , Mexico and Tongfu Microelectronics Co., Ltd(TFME)

# Product / Process Change Notification



N° 2019-185-A2

<b>TEST FLOW:</b> <b>Move of all or part of electrical wafer test and/or final test to a different location/site/subcontractor</b>	Wafer Probe site: Infineon Technologies Americas Corp., Temecula, United States	Wafer Probe site: EPISIL Technologies Inc., Taiwan
	TO220 and Dpak: Final Test Rectificadores Internacionales, S.A. de C.V., Tijuana , Mexico	TO220 and Dpak: Final Test, Rectificadores Internacionales, S.A. de C.V., Tijuana , Mexico and Tongfu Microelectronics Co., Ltd(TFME)

## Product Identification

Traceability assured via Lot number and date code.

## Anticipated Impact of Change

No expected impact on electrical performance. Quality and reliability verified by qualification.

DeQuMa-ID(s): SEM-PW-06 / SEM-PW-07 / SEM-PW-13 / SEM-PA-03 / SEM-PA-04 / SEM-PA-07 / SEM-PA-08 / SEM-PA-11 / SEM-PA-13 / SEM-PA-18 / SEM-TF-01

## Attachments

1_cip19185_A2	affected product list
3_cip19185_A2	customer information package

## Time Schedule

Final qualification report	2021-02-28
First samples available	2021-02-28
Intended start of delivery [1]	2021-10-31
Last Order Date (LOD) [2]	2021-04-30
Last Delivery Date (LDD) [3]	2021-10-31

[1] Provided date or earlier after customer approval

[2] Last time buy volume to be placed latest until LOD

[3] Delivery of new product 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.