

# Product / Process Change Notification



N° 2021-079-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

## Introduction of new lead finish material for dedicated products in TO220 package with assembly site Tijuana, Mexico

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 **9 July 2021**
- 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  
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Chairman of the Supervisory Board: Dr. Wolfgang Eder  
Management Board: Dr. Reinhard Ploss (CEO), Dr. Helmut Gassel, Jochen Hanebeck, Constanze Hufenbecher, Dr. Sven Schneider  
Registered Office: Neubiberg  
Commercial Register: München HRB 126492

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## ► Products affected

Please refer to attached affected product list 1\_cip21079\_a

## ► Detailed change information

**Subject** Change of lead finish material

**Reason** Standardization of assembly and lead finishing process

### Description

#### Old

#### New

#### Lead Finish Material

- Leads: 99.3% Sn/ 0.7% Cu
- Heatsink: 100% Ni

- Leads: 100% Sn
- Heatsink: 100% Sn

#### Lead Finishing Process

- Solder Dip

- Electroplated



## ► Product identification

Traceability is ensured via part number, lot number, barcode product label and visual appearance of plating finish

## ► Impact of change

**No** change on package outline dimensions  
**No** impact on solderability, thermal and electrical parameters  
**No** impact on the quality, function and reliability as proven in the process qualification

## ► Attachments

Affected Product List 1\_cip21079\_a  
Final Qualification Report 2\_cip21079\_a

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## ► Time schedule

■ Final qualification report	Available
■ First samples available	on request
■ Intended start of delivery	2021-08-15

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

RESTRICTED

# Qualification Test Report



PCN N° 2021-079-A

Date: 2020-04-09

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Reason for choosing the following test vehicles:

AUIRF3305 Large die-MC  
IRFB260NPBF Large die-MC

Scope of qualification: TO220 Packages currently using Tin Dip process - change to Electroplating

Assessment of Q-Results: PASS

Stress test	Abbreviation	Test conditions	Readout	AUIRF3305	AUIRF3305	IRFB260NPBF
				fails / stressed	fails / stressed	fails / stressed
Solderability J-STD-002	SD	Per Spec	Pre	0 / 10	0 / 10	0 / 10
			Post	0 / 10	0 / 10	0 / 10
Physical Dimension	PD	Per Spec	0h	0 / 30	-	-

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Sales name	SP number	OPN	Package
64-0084PBF	SP001569772	64-0084PBF	PG-TO220-3
64-0085PBF	SP001574846	64-0085PBF	PG-TO220-3
64-0088PBF	SP001569396	64-0088PBF	PG-TO220-3
64-0098PBF	SP001569380	64-0098PBF	PG-TO220-3
64-0103PBF	SP001559136	64-0103PBF	PG-TO220-3
64-0105PBF	SP001574292	64-0105PBF	PG-TO220-3
94-2354PBF	SP001561128	94-2354PBF	PG-TO220-3
IRF1324PBF	SP001561460	IRF1324PBF	PG-TO220-3
IRF2204PBF	SP001576552	IRF2204PBF	PG-TO220-3
IRF3205PBF	SP001559536	IRF3205PBF	PG-TO220-3
IRF3703PBF	SP001574662	IRF3703PBF	PG-TO220-3
IRF540ZPBF	SP001561896	IRF540ZPBF	PG-TO220-3
IRFB260NPBF	SP001551726	IRFB260NPBF	PG-TO220-3
IRFB3207ZPBF	SP001575584	IRFB3207ZPBF	PG-TO220-3
IRFB3607PBF	SP001551746	IRFB3607PBF	PG-TO220-3
IRFB38N20DPBF	SP001556010	IRFB38N20DPBF	PG-TO220-3
IRFB4137PBF	SP001554580	IRFB4137PBF	PG-TO220-3
IRFB4227PBF	SP001565892	IRFB4227PBF	PG-TO220-3
IRFB4228PBF	SP001575554	IRFB4228PBF	PG-TO220-3
IRFB4310PBF	SP001566592	IRFB4310PBF	PG-TO220-3
IRFB4332PBF	SP001556040	IRFB4332PBF	PG-TO220-3
IRFB4710PBF	SP001556118	IRFB4710PBF	PG-TO220-3

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Sales name	SP number	OPN	Package
IRFB52N15DPBF	SP001572332	IRFB52N15DPBF	PG-TO220-3
IRFB7540PBF	SP001563988	IRFB7540PBF	PG-TO220-3
IRGB4056DPBF	SP001544890	IRGB4056DPBF	PG-TO220-3
IRGB4062DPBF	SP001544880	IRGB4062DPBF	PG-TO220-3
IRGB4620DPBF	SP001537640	IRGB4620DPBF	PG-TO220-3
IRGB4630DPBF	SP001537630	IRGB4630DPBF	PG-TO220-3
IRL3705ZPBF	SP001557992	IRL3705ZPBF	PG-TO220-3
IRLB4132PBF	SP001558130	IRLB4132PBF	PG-TO220-3