

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Copper material supplier and Copper alloy change (See Attachment)

Important information for your attention:

- Infineon aligns with the widely-recognized JEDEC STANDARD "JESD46", which stipulates:
"Lack of acknowledgment 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.



On January 13, 2015, Infineon Technologies acquired International Rectifier. The organization and business of former International Rectifier have been integrated into Infineon. That means that customer facing IT tools and processes like PCN, Information Note and Product Discontinuation are being merged consolidated.

For further details please visit our website:

<http://www.infineon.com/powerfulcombination>

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

Date: Saturday, March 05, 2016
PCR Reference: 824
PCN Reference: 824-PCN90-Public

To Our Valued Customer:

As always we appreciate your use of Infineon Technologies semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. This notice is to inform you of the following change:

We would like to express our sincere appreciation for your cooperation regarding the following changes, and Infineon Technologies will work closely with you to support your requirements during this transition.

Type of Change Notification:

IRF lead frame supplier changed their copper material supplier and copper alloy used to manufacture TO247

Description of Change:

Copper material supplier and Copper alloy change (See Attachment)

Unfortunately this PCN does not meet our notification commitments as it has an effective date based on the material availability

IRF has used CuNiP and CuFeP interchangeably in some of our high volume products, but in this case the specific CuFeP alloy is not specified on our internal drawing for these products and therefore IRF must inform you of this change.

Note the changes above are not intended to impact – form, fit or function

In order to ensure continuous supply to our customers, IRF BE Tijuana assembly site must manufacture product with this change effective April 04, 2016 and first affected DC 1614

IRF needs your help to approve this PCN as a running change in order to not disrupt supply

Please submit your feedback and/or data requests to your Sales contact.

Reason for the Change:

Required to produce and meet customer demand

Effect Date:

Monday, April 04, 2016

Impact of Change:

IRF views this change as notifiable PCN, but considers this very low risk based on similarities between both Cu alloys and the general use of CuFeP on many other IRF products

Method of Identifying Changed Product:

Effective Datecode

Process / Product Change Notification



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Products Affected:

IFAM Part	Description
63-6005PBF	
92-0262PBF	
AUIRFP4568-E	
AUIRG4PC40S-E	
AUIRGF65G40D0	
AUIRGP35B60PD-E	Automotive 600V Warp2 150kHz Copack IGBT in a TO-247AD package
AUIRGP4062D-E	
AUIRGP4063D-E	Automotive 600V co-pack Trench IGBT in a TO-247AC package
AUIRGP4066D1-E	Automotive 600V 90A Copack Trench IGBT in a TO-247AD (Extended Lead) Package
AUIRGP50B60PD1E	Automotive, 600V 33.000A AUTO IGBT COPAK-247
AUXDKG4PC40S-E	
AUXTIGP50B60PDE	
AUXVNGP4062D-E	
IRG4PC40UD-EPBF	600V UltraFast 8-60 kHz Copack IGBT in a TO-247AC package
IRG4PC50FD-EPBF	600V Fast 1-8 kHz Copack IGBT in a TO-247AC package (Extended Lead)
IRG4PC50UD-EPBF	600V UltraFast 8-60 kHz Copack IGBT in a TO-247AC package
IRG4PH40UD2-EP	1200V UltraFast 5-40 kHz Copack IGBT in a TO-247AD package
IRG4PH40UD-EPBF	1200V UltraFast 5-40 kHz Copack IGBT in a TO-247AC package
IRG4PH40U-E	
IRG4PH50S-EPBF	1200V DC-1 kHz (Standard) Discrete IGBT in a TO-247AC package w/ extended lead
IRG7PH35UD1-EP	
IRG7PH35UD-EP	
IRG7PH35U-EP	
IRG7PH37K10D-EPBF	
IRG7PH42UD1-EP	
IRG7PH42UD-EP	1200V Trench IGBT for Generic Industrial Applications, Size 4.2 w/ Diode (Extended Lead)
IRG7PH42U-EP	1200V 90.000A TO-247
IRG7PH44K10D-EPBF	
IRG7PH46UD-EP	
IRG7PH46U-EP	
IRG7PH50K10D-EPBF	
IRG8P08N120KD-EPBF	
IRG8P15N120KD-EPBF	
IRG8P25N120KD-EPBF	
IRG8P40N120KD-EPBF	
IRG8P50N120KD-EPBF	
IRG8P60N120KD-EPBF	
IRGP20B120UD-EP	1200V UltraFast 5-40 kHz Copack IGBT in a TO-247AC package
IRGP30B120KD-E	

Process / Product Change Notification



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IFAM Part	Description
IRGP30B120KD-EP	1200V UltraFast 5-40 kHz Copack IGBT in a TO-247AC package
IRGP30B60KD-EP	600V UltraFast 5-40 kHz Copack IGBT in a TO-247AC package
IRGP35B60PD-EP	600V Warp2 150kHz Copack IGBT in a TO-247AC package
IRGP4062D-EPBF	
IRGP4063D1-EPBF	
IRGP4063D-EPBF	
IRGP4069D-EPBF	
IRGP4069-EPBF	
IRGP4078D-EPBF	
IRGP4620D-EPBF	
IRGP4640D-EPBF	
IRGP4760D-EPBF	
IRGP4790D-EPBF	
IRGP4790-EPBF	
IRGP50B60PD1-EP	600V Warp2 150kHz Copack IGBT in a TO-247AC package
IRGP6630D-EPBF	
IRGP6640D-EPBF	
IRGP6650D-EPBF	
IRGP6660D-EPBF	
IRGP6690D-EPBF	

Qualification:

IRF has analyzed this change and consider the conversion from CuNiP to CuFeP very low risk due to CuFeP is used in other IRF products.

Supplemental Qualification reports are targeted for between June 7th and July 29th

Supporting Data Availability:

Contact Infineon Technologies for supporting data on this change.

Contact Information:

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Technical Contact	Joseph DeSalvo		Joseph.DeSalvo@infineon.com
PCN Coordinator	Abigail Miciano		Abigail.Miciano@infineon.com