

Process Change Notification

Date: July 10, 2015
PCR Reference: 387
PCN Reference: 387-PCN180-Public-Addendum

To Our Value Customer:

As always we appreciate your use of International Rectifier 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 changes.

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

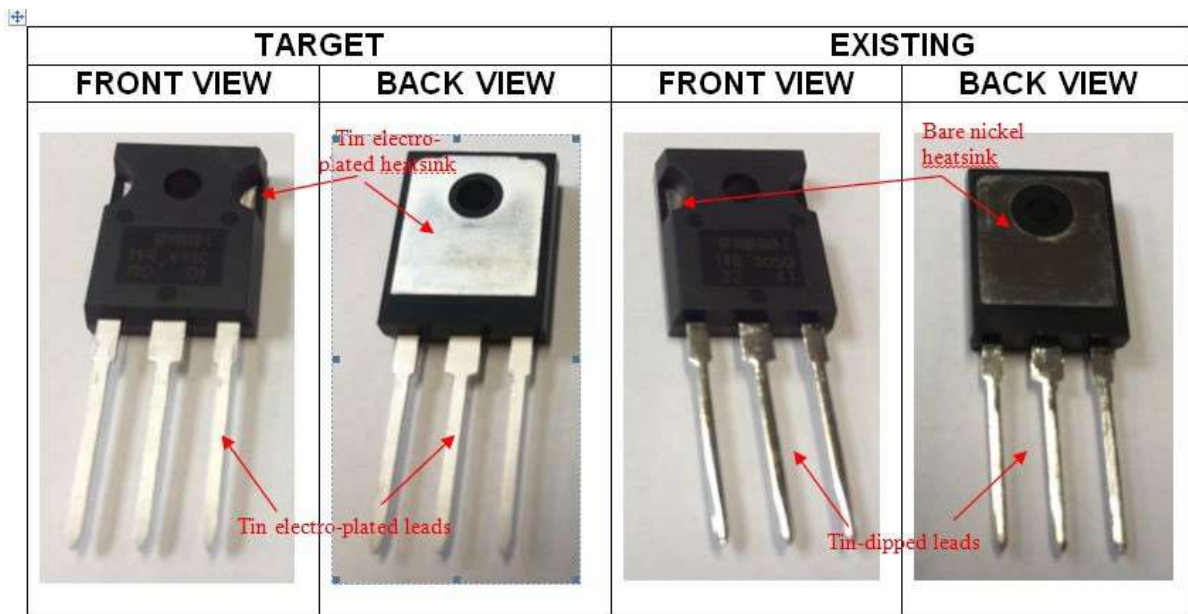
Type of Change Notification:

Original PCN ref is : 387-PCN180-Public

Tin electro-plating metal finish , additional information regarding POD dimension,

Description of Change:

Automotive IGBT Products in package TO247AD- Tin electro-plating metal finish Change from tin dipping finish to tin electro-plating finish on lead frame



Addendum: Minor change incorporated regarding dimension $\Phi P1$ in datasheet package outline drawing, change is minor and still conforms to Jeduc requirements.

- Existing $\Phi P1$: $6.7 \pm 0.03\text{mm}$
- Target $\Phi P1$: $5.5 \pm 0.03\text{mm}$

Reason for the Change:

Harmonized lead finish in-line with mass market requirements. Improved product robustness via process automation.

Effect Date:

January 10, 2016

International Rectifier will consider this change approved and will implement it by the effective date unless specific conditions of acceptance or data requests are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance and data requests to the PCN coordinator listed at the end of this notice.

Impact of Change:

The functionality of the product will remain unchanged. Very minor change expected on the fit of the product due to smaller tolerances on the lead thickness. The form of the product will visibly change. The overall impact is assessed as positive for the customer.

Method of Identifying Changed Product:

The changed product is visible with the naked-eye. The finishing of target new process will appear brighter as compared to the existing. See Additional Description

Products Affected:

IR Part	Description
AUIRG4PC40S-E	
AUIRGF65G40D0	
AUIRGF66524D0	
AUIRGP4066D1- E	Automotive 600V 90A Copack Trench IGBT in a TO-247AD (Extended Lead) Package
AUIRFP4568-E	

Qualification:

Parts passed all the reliability testing requirements. Reliability qualification report is available upon request. Qualification standards can be found on International Rectifier’s web site at www.irf.com/product-info/reliability

Supporting Data Availability:

Contact IR for supporting data on this change.

Contact Information:

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