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## Process Change Notification

**Date:** Sunday, January 04, 2015

**PCR Reference:** 185

**PCN Reference:** 185-PCN90-Public

### 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:

Tin electro-plating metal finish

### Description of Change:

ESPBU IGBT TO247AD (LONG LEAD)-Change from tin dipping finish to tin electro-plating finish

### Reason for the Change:

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

### Effect Date:

Saturday, April 04, 2015

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

**Products Affected:**

IR Part	Description
63-6005PBF	
IRG4PC40UD-EPBF	600V UltraFast 8-60 kHz Copack IGBT in a TO-247AC package
IRG4PC50F-EPBF	
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
IRG4PH50S-EPBF	1200V DC-1 kHz (Standard) Discrete IGBT in a TO-247AC package w/ exetended 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	
IRG7PK35UD1-EPBF	
IRGP20B120UD-EP	1200V UltraFast 5-40 kHz Copack IGBT in a TO-247AC package
IRGP20B120U-EP	1200V UltraFast 5-40 kHz Single IGBT in a TO-247AC package

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	
IRGP4062-EPBF	
IRGP4063D1-EPBF	
IRGP4063D-EPBF	
IRGP4063-EPBF	600V 96.000A TO-247
IRGP4066D-EPBF	600V UltraFast Copack Trench IGBT in a TO-247AC package
IRGP4066-EPBF	600V Low VCEon Trench IGBT in a TO-247 package
IRGP4068D-EPBF	600V UltraFast Copack Trench IGBT in a TO-247AD package with Ultra-Low VF Diode for Induction Heating and Soft Switching Apps
IRGP4069D-EPBF	
IRGP4069-EPBF	
IRGP4078D-EPBF	
IRGP4262D-EPBF	
IRGP4263D-EPBF	
IRGP4263-EPBF	
IRGP4266D-EPBF	
IRGP4266-EPBF	
IRGP4620D-EPBF	
IRGP4630D-EPBF	
IRGP4640D-EPBF	
IRGP4640-EPBF	
IRGP4650D-EPBF	
IRGP4660D-EPBF	
IRGP4750D-EPBF	
IRGP50B60PD1-EP	600V Warp2 150kHz Copack IGBT in a TO-247AC package
IRGP6630D-EPBF	

IRGP6640D-EPBF	
IRGP6650D-EPBF	
IRGP6660D-EPBF	
IRGP6690D-EPBF	

**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](http://www.irf.com/product-info/reliability)

**Supporting Data Availability:**

Contact IR for supporting data on this change.

**Contact Information:**

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