

## **Process Change Notification**

**Date:** February 20, 2014  
**PCN Reference:** S11756  
**PCR Reference:** 29  
**Product Reference:** DirectFET 1.5

### **To Our Valued 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 change:

### **Type of Change Notification:**

Reclassification of moisture sensitivity level (MSL) for PBF DirectFET products

### **Description of Change:**

Upgrade from MSL3 to MSL1 for DirectFET 1.5 products

### **Reason for the Change:**

Product mechanical characteristics and manufacturability were improved during die bond material change to 3131A die attach epoxy (previously notified as PCN # 08-0009). The new 3131A epoxy enables added robustness and die attach adhesion strength to pass MSL1.

### **Effect Date:**

**March 20, 2014**

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 10



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:**

Change does not affect fit, form, function or packaging of the part. No impact is expected at the customer end. Labeling will change to reflect MSL1. There is no difference in the BOM.

**Products Affected:**

64-9017PBF	94-3603PBF	IRF6633TRPBF	IRF6674TRPBF	IRF6775MTR1PBF
64-9017PBF	94-3603PBF	IRF6633TRPBF	IRF6674TRPBF	IRF6775MTR1PBF
64-9017PBF	94-3604PBF	IRF6635TR1PBF	IRF6674TRPBF	IRF6775MTR1PBF
64-9032PBF	94-3604PBF	IRF6635TR1PBF	IRF6678TR1PBF	IRF6775MTR1PBF
64-9032PBF	94-3606PBF	IRF6635TR1PBF	IRF6678TR1PBF	IRF6775MTRPBF
64-9032PBF	94-3606PBF	IRF6635TRPBF	IRF6678TR1PBF	IRF6775MTRPBF
64-9057PBF	94-3606PBF	IRF6635TRPBF	IRF6678TRPBF	IRF6775MTRPBF
64-9057PBF	IRF6609TR1PBF	IRF6635TRPBF	IRF6678TRPBF	IRF6775MTRPBF
64-9058PBF	IRF6609TR1PBF	IRF6636TR1PBF	IRF6678TRPBF	IRF6775MTRPBF
64-9058PBF	IRF6609TR1PBF	IRF6636TRPBF	IRF6691TR1PBF	IRF6785MTR1PBF
64-9060PBF	IRF6609TRPBF	IRF6636TRPBF	IRF6691TR1PBF	IRF6785MTR1PBF
64-9060PBF	IRF6609TRPBF	IRF6637TR1PBF	IRF6691TRPBF	IRF6785MTR1PBF
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94-3603PBF	IRF6633TRPBF	IRF6674TR1PBF	IRF6775MTR1PBF	IRF9397SDTRPBF
				IRL6283MTRPBF
				IRL6297SDTRPBF

### **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).

### **Data Availability:**

Please contact the PCN Coordinator for supporting data.

Note: IR discourages physical product sample requests due to production/inventory costs and logistic challenges. The PCN team needs your support to ensure sample request are minimized and determine what data is required to satisfy customer inquiries to minimize sample requests. In some cases due to low volume runners if samples are required due to special circumstances, they may not be available until 1<sup>st</sup> authorized shipment of product.

### **Contact Information:**

<b>CONTACT TYPE</b>	<b>NAME</b>	<b>PHONE</b>	<b>EMAIL</b>
<b>PCN Coordinator</b>	John Michaelson	951 375-4432	<a href="mailto:jmichae2@irf.com">mailto:jmichae2@irf.com</a>
<b>Technical</b>	Hector Gomez	619-285-8500	hgomez1@irf.com