

## **Process Change Notification**

**Date:** August 23, 2013  
**PCN Reference:** S20375  
**PCR Reference:** PCR # AP-1242-EN-0641  
**Product Reference:** Power Management Devices– Micro8 FET

### **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:**

Wire bond materials change from gold to copper, for the assembly of the Micro8 FET products identified in the following page.

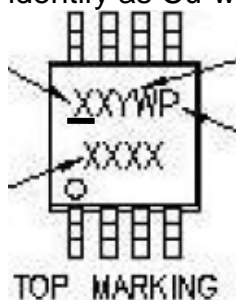
### **Description of Change:**

Current Micro8 devices use gold wire to provide electrical connection between the package leads and die. The wire material will change from gold to copper but the number of wires will remain the same.

#### Materials:

From: 1.3 mil Au wire to 1.3 mil Cu wire

Marking will change as follows. Underscore on first character of production code marking to identify as Cu-wire





**Reason for the Change:**

Assembly materials consolidation purposes.

**Effect Date:**

November 23, 2013

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:**

No impact is expected. The new Bill of Materials and Assembly site will meet the same parametric and qualification level as the existing products. Product Datasheets will remain unchanged.

**Products Affected:**

Part Number	Description
62-1023PBF	
IRF7501TRPBF	MOSFET, DUAL N-CHANNEL, 20V, 2.4A, Micro 8
IRF7503TRPBF	MOSFET, DUAL N-CHANNEL, 30V, 2.4A, Micro 8
IRF7504TRPBF	MOSFET, DUAL P-CHANNEL, -20V, 1.7A, Micro 8
IRF7506TRPBF	MOSFET, DUAL P-CHANNEL, -30V, 1.7A, Micro 8
IRF7507TRPBF	MOSFET, DUAL N/P-CHANNEL, 20V, 2.4A, Micro 8
IRF7509TRPBF	MOSFET, DUAL N/P-CHANNEL, 30V, 2.4A, Micro 8
IRF7524D1TRPBF	MOSFET, P-CHANNEL copack with Schottky, -20V, -1.7A, 270 mOhm, 5.4 nC Qg, Micro 8
IRF7526D1TRPBF	MOSFET, P-CHANNEL copack with Schottky, -30V, -2A, 200 mOhm, 7.5 nC Qg, Micro 8
IRF7530PBF	MOSFET, DUAL N-CHANNEL, 20V, 5.4A, Micro 8
IRF7530TRPBF	MOSFET, DUAL N-CHANNEL, 20V, 5.4A, Micro 8
IRF7601TRPBF	MOSFET, 20V, 5.7A, 35 mOhm, 14 nC Qg, Micro 8
IRF7606TRPBF	MOSFET, P-CHANNEL, -30V, -3.6A, 90 mOhm, 20 nC Qg, Micro 8
IRF7607TRPBF	MOSFET, 20V, 6.5A, 30 mOhm, 22 nC Qg, Micro 8
IRF7726TRPBF	MOSFET, P-CHANNEL, -30V, -7A, 26 mOhm, 46 nC Qg, Micro 8
IRF7504PBF	MOSFET, DUAL P-CHANNEL, -20V, 1.7A, Micro 8
IRF7506PBF	MOSFET, DUAL P-CHANNEL, -30V, 1.7A, Micro 8
IRF7507PBF	MOSFET, DUAL N/P-CHANNEL, 20V, 2.4A, Micro 8
IRF7524D1GTRPBF	MOSFET, P-CHANNEL copack with Schottky, -20V, -1.7A, 270 mOhm, 5.4 nC Qg, Micro 8



IRF7601PBF	MOSFET, 20V, 5.7A, 35 mOhm, 14 nC Qg, Micro 8
IRF7606PBF	MOSFET, P-CHANNEL, -30V, -3.6A, 90 mOhm, 20 nC Qg, Micro 8
IRF7607PBF	MOSFET, 20V, 6.5A, 30 mOhm, 22 nC Qg, Micro 8
IRF7726PBF	MOSFET, P-CHANNEL, -30V, -7A, 26 mOhm, 46 nC Qg, Micro 8

### **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.

### **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>	Cesar Gonzalez	951-375-5215	<a href="mailto:cgonzal1@irf.com">mailto:cgonzal1@irf.com</a>