

## Process Change Notification

**Date:** August 4, 2012  
**PCN Reference:** S13152  
**Product Reference:** PDIP 8L, 14L and 16L HVIC Gen 5

Dear 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:

Bill of Material change used for the assembly of PDIP Gen5 products in Unisem, Indonesia

### Description of Change:

| Material      | Current     | Proposed  |
|---------------|-------------|-----------|
| Wire          | Au wire     | Cu wire   |
| Mold compound | CEL9220HF13 | CEL8240HF |

Current product

Products use Gold wire to provide the electrical connection between the package leads and die. The wire material will change from Gold to Copper but the number of wires and the die remain the same. The electrical conduction properties of Copper are comparable to gold. The performance difference is small and datasheets will remain unchanged.

There will be a period of time which either gold or copper wire bond material will be used in manufacturing during transition. *We appreciate your support to qualify copper as soon as possible but IR can support the gold wire product for special cases.*



**Marking**

The part marking will be updated to include an underscore after the last digit of the Lot code to identify the part as a Copper wire based device.

**Reason for the Change:**

Qualification of Copper wire will enable IR to expand the assembly capacity to effectively support the customer demand. Current capacity will be extended to the existing Cu wire set-up.

**Effect Date:**

November 4, 2012

International Rectifier will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance to the PCN Coordinator listed at the end of this notice.

**Impact of Change:**

The Fit and Function do not change as a result of the conversion. Datasheets will remain unchanged.

**Products Affected:**

**PDIP8L**

|             |              |             |
|-------------|--------------|-------------|
| IRCFL1PBF   | IRS2111PBF   | IRS2184PBF  |
| IRS2001PBF  | IRS2117PBF   | IRS2186PBF  |
| IRS2003PBF  | IRS2118PBF   | IRS2304PBF  |
| IRS2004PBF  | IRS21271PBF  | IRS2308PBF  |
| IRS2011PBF  | IRS2127PBF   | IRS2530DPBF |
| IRS2101PBF  | IRS21281PBF  | IRS25401PBF |
| IRS2104PBF  | IRS2128PBF   | IRS2540PBF  |
| IRS2106PBF  | IRS21531DPBF | IRS25411PBF |
| IRS2108PBF  | IRS2153DPBF  | IRS2541PBF  |
| IRS21091PBF | IRS2181PBF   | IRS2103PBF  |
| IRS2109PBF  | IRS2183PBF   |             |



**PDIP 14L**

|             |             |
|-------------|-------------|
| IRS21064PBF | IRS21814PBF |
| IRS21084PBF | IRS21834PBF |
| IRS21094PBF | IRS21844PBF |
| IRS2110PBF  | IRS21864PBF |
| IRS2112PBF  | IRS2453DPBF |
| IRS2113PBF  |             |

**PDIP 16L**

|             |
|-------------|
| IRS2092PBF  |
| IRS2158DPBF |
| IRS2166DPBF |
| IRS2168DPBF |
| IRS2552DPBF |

**Qualification:**

Parts passed reliability testing. Reliability qualification report will be available upon the completion of reliability testing. 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).

**Sample Availability:**

Samples are available through PCN coordinator

**Contact Information:**

| CONTACT TYPE    | NAME            | PHONE        | EMAIL   |
|-----------------|-----------------|--------------|---|
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