

# Product / Process Change Notification



N° 2013-178-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

## Introduction of Copper Wire Bond for dedicated products

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **04. May 2014**.
- Infineon aligns with the widely-recognized JEDEC STANDARD "JESD46", which stipulates: "Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."

Your prompt reply will help Infineon Technologies to assure a smooth and well executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

Disclaimer:

If we do not receive any response within the given time limit we consider this as the acceptance of the PCN.

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**SUBJECT OF CHANGE:** For Infineon's products as mentioned under products affected' below, Copper (Cu) bond wires will be implemented.

**PRODUCTS AFFECTED:** Please refer to 1\_cip13178\_a attached.

**REASON OF CHANGE:** It's part of Infineon's strategy to convert in general its LQFP packages to Cu-W/B related variants.

DESCRIPTION OF CHANGE:	OLD	NEW
<ul style="list-style-type: none"> <li>■ <b>Bond Wire Material:</b></li> </ul>	Gold (Au) wire	PCC (palladium coated copper wire)
<ul style="list-style-type: none"> <li>■ <b>Wire diameter:</b></li> </ul>	20µm	25µm
<ul style="list-style-type: none"> <li>■ <b>Leadframe appearance:</b></li> </ul>	Standard CuAg leadframe with Sn plating	Rough upgraded uppF
<ul style="list-style-type: none"> <li>■ <b>Marking:</b></li> </ul>	Example: SAH-XC2336B-40F80L AA (for a detailed list please refer to 4_cip13178_a attached)	SAK-XC2336B-40F80LR AB (for a detailed list please refer to 4_cip13178_a attached)
<ul style="list-style-type: none"> <li>■ <b>Package dash version:</b></li> </ul>	LQFP-64-6 LQFP-100-8 LQFP-144-13	LQFP-64-24 LQFP-100-15 LQFP-144-23
<ul style="list-style-type: none"> <li>■ <b>Order (SP) - numbers :</b></li> </ul>	Please refer to the document 4_cip13178_a attached.	Please refer to the document 4_cip13178_a attached.

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## PRODUCT IDENTIFICATION:

- On Packing Level:
  - Different SP number
  - Package dash version to ref to product list
  - Different product marking

This means: the change herewith announced also includes a switch from design step , AA' to ,AB'  
(for details please refer to PCN2012-159-A)
- On Product Level:
  - Identification via lot number

## TIME SCHEDULE:

- Qualification report
- First samples available:
- Start of delivery:

available

March 2014

July 2014

## ASSESSMENT:

No impact on fit, form or function. No change in data sheet.  
Based on the qualification to be performed, Infineon does not expect any negative impact on quality, function and reliability.

## DOCUMENTATION:

1\_cip13178\_a Affected product list  
2\_cip13178\_a Qualification report  
4\_cip13178\_a Salesnames incl. SP numbers\_old vs. new