

# Product / Process Change Notification



N° 2014-022-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 **25. July 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\_cip14022\_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.

<b>DESCRIPTION OF CHANGE:</b>	<b><u>OLD</u></b>	<b><u>NEW</u></b>
<ul style="list-style-type: none"> <li>■ <b>Bond Wire Material:</b></li> <li>■ <b>Wire diameter:</b></li> <li>■ <b>Leadframe appearance:</b></li> <li>■ <b>Marking:</b></li> <li>■ <b>Package dash version:</b></li> <li>■ <b>Order (SP) - numbers :</b></li> </ul>	<p>Gold (Au) wire</p> <p>20µm</p> <p>Standard CuAg leadframe with Sn plating</p> <p>Example: SAK-XC2289I-136F128L AA (for a detailed list please refer to 4_cip13022_a attached)</p> <p>LQFP-100-8 LQFP-144-16</p> <p>SP000858166 SP000858172 SP000858178 SP000886694 SP000886706 SP000886962 SP000886964 SP000886966 SP000886984 SP000886988 SP000886990 SP000893180 SP000964064 SP001073780</p>	<p>PCC (palladium coated copper wire)</p> <p>25µm</p> <p>Rough upgraded uppF</p> <p>SAK-XC2289I-136F128LR AA (for a detailed list please refer to 4_cip13022_a attached)</p> <p>LQFP-100-15 LQFP-144-23</p> <p>SP001217658 SP001217658 SP001217654 SP001217656 SP001217662 SP001226572 SP001226572 SP001226572 SP001217660 SP001217660 SP001217660 SP001250268 SP001226572 SP001226572</p>

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## PRODUCT IDENTIFICATION:

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

## TIME SCHEDULE:

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

available

August 2014

December 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\_cip14022\_a Affected product list  
2\_cip14022\_a Qualification report  
4\_cip14022\_a Salesnames incl. SP numbers\_old vs. new