

Product / Process Change Notification



N° 2014-009-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 **17. April 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."
- This PCN includes a **Product Discontinuation Notice** (JEDEC STANDARD "JESD48") on page 4/4

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:

In case the customer rejects this PCN shall be considered a product discontinuation notice (PD).

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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_cip14009_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: | <u>OLD</u> | <u>NEW</u> |
|--|---|---|
| ■ Bond Wire Material: | Gold (Au) wire | PCC (palladium coated copper wire) |
| ■ Wire diameter: | 20µm | 25µm |
| ■ Leadframe appearance: | Standard CuAg leadframe with Sn plating | Rough upgraded uppF |
| ■ Leadframe plating (pin and ePad): | Lead finish: pure tin | Lead finish: uppF |
| ■ Marking: | Example: SAF-XE162FN-40F80L AA (for a detailed list please refer to the PD on page 4-5) | SAK-XE162FN-40F80LR AB (for a detailed list please refer the PD on page 4-5) |
| ■ Package dash version: | Please refer to the PD on page 4-5 | Please refer to the PD on page 4-5 |
| ■ Order (SP) - numbers : | Please refer to the PD on page 4-5 | Please refer to the PD on page 4-5 |

- 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

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TIME SCHEDULE:

- Final qualification report: available
- First samples available: March 2014
- Start of delivery: July 2014
- Last order date of unchanged product: 15-September-2014 See page 4/4
- Last delivery date of unchanged product: 15-March-2015 See page 4/4

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_cip14009_a Affected product list
2_cip14009_a Qualification report

PRODUCT DISCONTINUATION

PD14009



referring to PCN N° 2014-009-A

| | |
|---|------------|
| ■ Last order date of unchanged product: | 2014-09-15 |
| ■ Last delivery date of unchanged product | 2015-03-15 |

| DISCONTINUED | | | | NEW (REPLACEMENT) | | |
|-----------------------|-------------|-----------------------|----------------|------------------------|-------------|----------------|
| Device | SP N° | OPN | Package | Device | SP N° | Package |
| SAF-XE162FN-40F80L AA | SP000726684 | XE162FN40F80LAAFQSA1 | PG-LQFP-64-6 | SAK-XE162FN-40F80LR AB | SP001202712 | PG-LQFP-64-24 |
| SAF-XE164FM-72F80L AA | SP000397558 | XE164FM72F80LAAFUMA1 | PG-LQFP-100-8 | SAK-XE164FM-72F80LR AB | SP001202718 | PG-LQFP-100-15 |
| SAF-XE164HM-72F80L AA | SP000397570 | XE164HM72F80LAAFUMA1 | PG-LQFP-100-8 | SAK-XE164FM-72F80LR AB | SP001202718 | PG-LQFP-100-15 |
| SAF-XE167FM-72F80L AA | SP000397582 | XE167FM72F80LAAFUMA1 | PG-LQFP-144-13 | SAK-XE167FM-72F80LR AB | SP001205782 | PG-LQFP-144-23 |
| SAF-XE167HM-72F80L AA | SP000397594 | XE167HM72F80LAAFUMA1 | PG-LQFP-144-13 | SAK-XE167FM-72F80LR AB | SP001205782 | PG-LQFP-144-23 |
| SAK-XE162FN-40F80L AA | SP000634794 | XE162FN40F80LAAKXUMA1 | PG-LQFP-64-6 | SAK-XE162FN-40F80LR AB | SP001202712 | PG-LQFP-64-24 |
| SAK-XE164FM-72F80L AA | SP000628606 | XE164FM72F80LAAKXUMA1 | PG-LQFP-100-8 | SAK-XE164FM-72F80LR AB | SP001202718 | PG-LQFP-100-15 |
| SAK-XE164FN-40F80L AA | SP000634792 | XE164FN40F80LAAKXUMA1 | PG-LQFP-100-8 | SAK-XE164FN-40F80LR AB | SP001208300 | PG-LQFP-100-15 |
| SAK-XE167FM-72F80L AA | SP000628636 | XE167FM72F80LAAKXUMA1 | PG-LQFP-144-13 | SAK-XE167FM-72F80LR AB | SP001205782 | PG-LQFP-144-23 |
| SAK-XE167FM-72F80L AA | SP000966480 | XE167FM72F80LAAKXQMA1 | PG-LQFP-144-13 | SAK-XE167FM-72F80LR AB | SP001205782 | PG-LQFP-144-23 |

If you have any questions, please do not hesitate to contact your local Sales office.