

Product / Process Change Notification



N° 2016-008-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Reduction of Au wire diameter from 30µm to 20µm affecting selected products in package PG-MQFP-144 and change from tray to tape & reel for some specific parts.

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 **29. March 2016**.
- 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: Reduction of Au wire diameter from 30µm to 20µm affecting selected products in package PG-MQFP-144 and change from tray to tape & reel for some specific parts for products mentioned below.
Please Note: This PCN is a replacement as the former PCN2013-022-A wasn't published properly.

PRODUCTS AFFECTED: Please refer to document 1_cip16008_a attached.

REASON OF CHANGE: Standardization of wire diameters following Infineon's microcontroller strategy.

DESCRIPTION OF CHANGE:	<u>OLD</u>	<u>NEW</u>
■ Bond wire diameter:	30µm Au bond wire	20µm Au bond wire
■ Change of packing:	Delivery in Tray	Delivery in Tape & Reel for some specific parts (for details please refer to 4_cip16008_a).
■ Change of SP – and OPN:		Please refer to 4_cip16008_a attached.

PRODUCT IDENTIFICATION: Traceability is ensured by lot number and date code identification.

TIME SCHEDULE:

■ Final qualification report:	available
■ First samples available:	Available
■ Intended start of delivery:	6 weeks after PCN issuance

ASSESSMENT:

Wire bond reduction has been already successfully applied to Infineon's microcontroller family C164.

Based on the qualification performed, Infineon does not expect any impact on products affected regarding:

- Electrical performance
- Quality
- Functional Reliability
- Processing Capability

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DOCUMENTATION:

1_cip16008_a Products affected

2_cip16008_a Final qualification report

4_cip16008_a old SP – and OPN-No vs new SP – and OPN-No

PCN N°2016-008-A

Reduction of Au wire diameter from 30µm to 20µm affecting
selected products in package PG-MQFP-144 and change
from tray to tape & reel for some specific parts



Sales Name	SP number	OPN	Package
SAB-C167CR-LM HA+	SP000103462	C167CRLMHABXQLA1	PG-MQFP-144-8
SAB-C167CR-LM HA+	SP000103463	C167CRLMHABXUMA1	PG-MQFP-144-8
SAB-C167CS-L40M CA+	SP000103468	C167CSL40MCABXUMA1	PG-MQFP-144-8
SAB-C167CS-L40M CA+	SP000103471	C167CSL40MCABXQLA1	PG-MQFP-144-8
SAB-C167CS-LM CA+	SP000103483	C167CSLMCABXQLA1	PG-MQFP-144-8
SAB-C167CS-LM CA+	SP000103484	C167CSLMCABXUMA1	PG-MQFP-144-8
SAB-C167SR-LM HA+	SP000103456	C167SRLMHABXQLA1	PG-MQFP-144-8
SAB-C167SR-LM HA+	SP000103457	C167SRLMHABXUMA1	PG-MQFP-144-8
SAF-C167CR-LM HA+	SP000103464	C167CRLMHAFXQLA1	PG-MQFP-144-8
SAF-C167CR-LM HA+	SP000103465	C167CRLMHAFXUMA1	PG-MQFP-144-8
SAF-C167CS-L16M 3V CA+	SP000103469	C167CSL16M3VCAFXQLA1	PG-MQFP-144-8
SAF-C167CS-L16M 3V CA+	SP000103470	C167CSL16M3VCAFXUMA1	PG-MQFP-144-8
SAF-C167CS-L33M CA+	SP000103485	C167CSL33MCAFXQLA1	PG-MQFP-144-8
SAF-C167CS-L33M CA+	SP000103486	C167CSL33MCAFXUMA1	PG-MQFP-144-8
SAF-C167CS-LM CA+	SP000103487	C167CSLMCAFXQLA1	PG-MQFP-144-8
SAF-C167CS-LM CA+	SP000103488	C167CSLMCAFXUMA1	PG-MQFP-144-8
SAK-C167CR-L33M HA+	SP000103460	C167CRL33MHAKXQLA1	PG-MQFP-144-8
SAK-C167CR-L33M HA+	SP000103461	C167CRL33MHAKXUMA1	PG-MQFP-144-8
SAK-C167CR-LM HA+	SP000103466	C167CRLMHAKXQLA1	PG-MQFP-144-8
SAK-C167CR-LM HA+	SP000103467	C167CRLMHAKXUMA1	PG-MQFP-144-8
SAK-C167CS-L33M CA+	SP000103489	C167CSL33MCAKXUMA1	PG-MQFP-144-8
SAK-C167CS-L40M CA+	SP000103490	C167CSL40MCAKXQLA1	PG-MQFP-144-8
SAK-C167CS-L40M CA+	SP000103491	C167CSL40MCAKXUMA1	PG-MQFP-144-8
SAK-C167CS-LM CA+	SP000103492	C167CSLMCAKXQLA1	PG-MQFP-144-8
SAK-C167CS-LM CA+	SP000103493	C167CSLMCAKXUMA1	PG-MQFP-144-8
SAK-C167SR-LM HA+	SP000103458	C167SRLMHAKXQLA1	PG-MQFP-144-8
SAK-C167SR-LM HA+	SP000103459	C167SRLMHAKXUMA1	PG-MQFP-144-8