

Product/process change notification

PCN N° 2020-031-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

Several changes affecting CIPOS™ Nano 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 **2022-04-28**
- 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 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.



On 16 April 2020, Infineon acquired Cypress.
We are now in the process of merging and consolidating our tools and processes for PCN, Information Notes, Errata and Product Discontinuance.
For further details, please visit our website:
<https://www.infineon.com/cms/en/about-infineon/company/cypress-acquisition/>

Infineon Technologies AG
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Registered Office: Neubiberg
Commercial Register: München HRB 126492

Product/process change notification

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► **Products affected**

Please refer to attached affected product list 1_cip20031_A

► **Detailed change information**

Subject Additional assembly and test location.

Reason Expansion of assembly production of the affected products to assure continuity of supply and enable flexible manufacturing.

Description

Old

New

Products in Package QFN 7x8 (except IRSM005-800MH/MHTR)

Additional assembly and test location

■ Carsem Sdn.Bhd.(Malaysia)

■ Additional Hana Semiconductor (Ayutthaya, Thailand) Co.,Ltd.

IC Wire

■ Cu Pd

■ Cu Pd Au (at Hana)

Products in Package QFN 8x9

Additional assembly and test location

■ Carsem Sdn.Bhd.(Malaysia)

■ Additional Hana Semiconductor (Ayutthaya, Thailand) Co.,Ltd.

IC Wire

■ Au

■ Cu Pd Au (at Hana)

Leadframe plating

■ Selective Ag

■ PPF (at Hana)

Leadfinish

■ Matte Tin

■ NiPdAu-Ag (at Hana)

Products in Package QFN 12x12

Assembly and test location

■ Hana Semiconductor (Ayutthaya, Thailand) Co.,Ltd.

■ Hana Semiconductor (Ayutthaya, Thailand) Co.,Ltd.

IC Wire

■ Au

■ Cu

Leadframe plating

■ Selective Ag

■ PPF

Leadfinish

■ Matte Sn

■ NiPdAu-Ag

IRSM005-800MH & IRSM005-800MHTR

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Transfer of assembly and test location	<ul style="list-style-type: none"> ■ Carsem Sdn.Bhd (Malaysia) 	<ul style="list-style-type: none"> ■ Hana Semiconductor (Ayutthaya, Thailand) Co., Ltd
IC Wire	<ul style="list-style-type: none"> ■ Cu Pd 	<ul style="list-style-type: none"> ■ Cu Pd Au

► **Product identification** Ensured by internal traceability in manufacturing execution systems.

► **Impact of change** Based on the qualification performed, Infineon does not expect any negative impact on quality, function and reliability.

► **Attachments**

1_cip20031_A:	affected product list
2_cip20031_A:	Qualification report

► **Time schedule**

- Final qualification report Available on request.
- First samples available PCN samples on customer request.
- Intended start of delivery Start of delivery of changed products beginning from (PCN sent out + 3 months) or earlier on customer request. Further delivery of unchanged products is possible until stock will be depleted.

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

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Several changes affecting multiple CIPOS™ Nano products



Affected products sold to DIGI-KEY (4002348)

Sales name	SP number	OPN	Package	Customer part number
IRSM005-301MH	SP001541136	IRSM005-301MH	QFN 7X8 27L	IRSM005-301MH
IRSM005-800MH	SP001549876	IRSM005-800MH	QFN 7X8 27L	IRSM005-800MH
IRSM005-800MHTR	SP001541106	IRSM005-800MHTR	QFN 7X8 27L	IRSM005-800MHTR
IRSM807-105MH	SP001543516	IRSM807-105MH	QFN 8X9 31L	IRSM807-105MH
IRSM808-105MH	SP001549046	IRSM808-105MH	QFN 8X9 31L	IRSM808-105MH
IRSM808-105MHTR	SP001549028	IRSM808-105MHTR	QFN 8X9 31L	IRSM808-105MHTR
IRSM808-204MH	SP001541016	IRSM808-204MH	QFN 9X8 31L	IRSM808-204MH
IRSM836-035MA	SP001539604	IRSM836-035MA	QFN 12X12 36L	IRSM836-035MA