

Product/process change notification

PCN N° 2022-073-A

confidential

Dear customer,

Please find attached our Infineon Technologies AG PCN:

Additional final test at AMKOR Technologies Philippines (ATP) for PG-LQFP-64-26 for XMC Controllers

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 **2022-06-20**
- 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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► **Products affected**

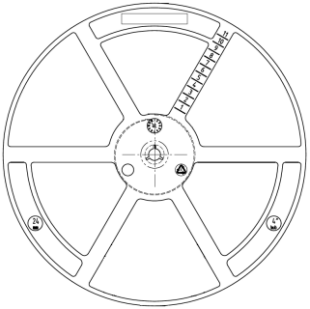
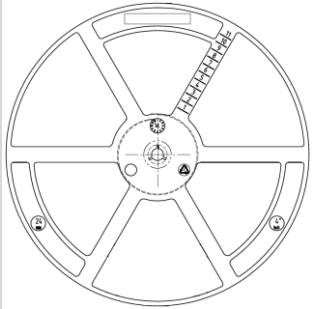
Please refer to attached affected product list 1_cip22073_A

► **Detailed change information**

Subject Additional final test at AMKOR Technologies Philippines (ATP) for PG-LQFP-64-26 for XMC Controller

Reason Increase of capacity.

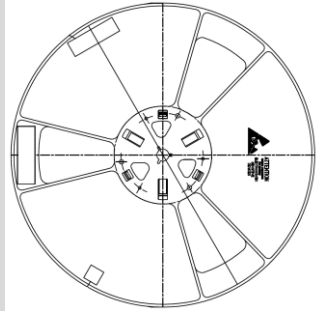
Description

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> Final electrical test at IFX, Singapore 	<ul style="list-style-type: none"> Final electrical test at IFX, Singapore and Final electrical test at Amkor Technologies Philippines (ATP) ATP will be the main test-site and IFX Singapore is the back-up-site.
<ul style="list-style-type: none"> Reel layout at IFX Singapore: 	<ul style="list-style-type: none"> Reel layout at IFX Singapore: Reel layout at ATP: 

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<ul style="list-style-type: none"> ■ MSP at IFX Singapore 	<ul style="list-style-type: none"> ■ MSP at IFX Singapore and ■ MSP at ATP

▶ Product identification

The traceability is controlled by Infineon working/production numbers.

There will be no change of SP-numbers, therefore no source can be selected.

▶ Impact of change

No change of fit, form, function and reliability. The same test programs are used.

▶ Attachments

1_cip22073_A	affected product list
2_cip22073_A	qualification test report

▶ Time schedule

- | | |
|------------------------------|---|
| ■ Final qualification report | available |
| ■ First samples available | on request |
| ■ Intended start of delivery | 2022-08-15 or earlier, if customer agrees |

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

Qualification Test Results for PCN 2022-073-A: Additional final test at Amkor Technologies Philippines (ATP)

Change Team
2022-05-11



Qualification Test Results for PCN 2022-073-A: Additional final test at ATP



- › For this transfer of final test to ATP, the tester hardware were transferred from Infineon Technologies Singapore to Amkor Technologies Philippines.

- › The qualification procedure consists of the three major parts:
 - Buyoff of tester at ATP
 - Qualification of test process at ATP
 - Mark, Scan & Pack Qualification at ATP

- › Summary: All qualification tests are successfully performed and are **PASS**.

- › This buyoff procedure consists of the following steps:
 - ESD Check
 - Calibration
 - AC Check

All these steps were successfully performed => **PASS**

- › This qualification of test process consists of the following steps:
 - 100 times Loop Test
 - Correlation Run
 - Solderability Check
 - Binning Integrity check

All these steps were successfully performed => **PASS**

- › This qualification of test process consists of the following steps:
 - Vision System Capability
 - Peel Strength Test
 - Drop Test of final packing

All these steps were successfully performed => **PASS**



Part of your life. Part of tomorrow.

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Additional final test at AMKOR Technologies Philippines (ATP) for PG-LQFP-64-26
for XMC Controllers.



Affected products sold to DIGI-KEY (4002348)

Sales name	SP number	OPN	Package	Customer part number
XMC1402-F064X0200 AA	SP001308132	XMC1402F064X0200 AAXUMA1	PG-LQFP-64-26	XMC1402F064X0200 AAXUMA1
XMC1404-F064X0128 AA	SP001363576	XMC1404F064X0128 AAXUMA1	PG-LQFP-64-26	XMC1404F064X0128 AAXUMA1
XMC1404-F064X0200 AA	SP001363578	XMC1404F064X0200 AAXUMA1	PG-LQFP-64-26	XMC1404F064X0200 AAXUMA1



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Sales name	SP number	OPN	Package
XMC1401-F064F0064 AA	SP001381072	XMC1401F064F0064AAXUMA1	PG-LQFP-64-26
XMC1401-F064F0128 AA	SP001381074	XMC1401F064F0128AAXUMA1	PG-LQFP-64-26
XMC1401-F064F0128 AA	SP005728631	XMC1401F064F0128AAXQMA1	PG-LQFP-64-26
XMC1402-F064X0064 AA	SP001308136	XMC1402F064X0064AAXUMA1	PG-LQFP-64-26
XMC1402-F064X0128 AA	SP001308134	XMC1402F064X0128AAXUMA1	PG-LQFP-64-26
XMC1402-F064X0128 AA	SP002497674	XMC1402F064X0128AAXQMA1	PG-LQFP-64-26
XMC1402-F064X0200 AA	SP001308132	XMC1402F064X0200AAXUMA1	PG-LQFP-64-26
XMC1402-F064X0200 AA	SP005539099	XMC1402F064X0200AAXQMA1	PG-LQFP-64-26
XMC1404-F064X0064 AA	SP001363574	XMC1404F064X0064AAXUMA1	PG-LQFP-64-26
XMC1404-F064X0128 AA	SP001363576	XMC1404F064X0128AAXUMA1	PG-LQFP-64-26
XMC1404-F064X0200 AA	SP001363578	XMC1404F064X0200AAXUMA1	PG-LQFP-64-26