



Cypress Semiconductor Corporation – An Infineon Technologies Company  
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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN204905

**Date:** December 14, 2020

**Subject:** Qualification of Amkor Assembly & Test (Shanghai) Co., Ltd. as an Additional Backend Test Site for Select Memory Solutions NOR Flash Products

**To:** TOMOKO KOJIMA  
TELDEVICE  
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### Description of Change:

Cypress announces the qualification of Amkor Assembly & Test (Shanghai) Co., Ltd. (No. 111 Yinglun Road, WaiGaoQiao, Free Trade Zone, Shanghai, China) as an additional backend test site for select Memory Solutions NOR Flash products. These products are currently being tested on the Teradyne Magnum test platform at Cypress Semiconductor (Thailand) Limited in Bangkok, Thailand and are now qualified on a similar test platform at Amkor Assembly & Test. There are no changes to the test coverage and methodology.

This qualification will allow Cypress to leverage Amkor's manufacturing expertise with quality focus. This in turn also provides the means for Cypress to continue to meet its customers' IC testing needs as well as delivery commitments in dynamic, changing market conditions. Amkor Assembly & Test, Inc. is certified on several international quality standards: ISO / TS16949, ISO 9001, ISO 14001 and OHSAS 18001. Amkor's certificates can be viewed on their corporate web site <https://amkor.com/quality-management/>.

### Benefit of Change:

Cypress will have the added capability to meet varying market demand, and to ensure consistent and reliable delivery performance to customers. Immediate adoption of Amkor Assembly & Test material will also help secure material and minimize supply interruption in the future.

### Part Numbers Affected: 1002

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change.

### Qualification Status:

This backend test site has been qualified through a series of tests documented in the Qualification Test Plan summarized in the table below. These qualification reports can be found as attachments to this PCN or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

QTP Number	Qualification
202201	Test Site Addition of Amkor Shanghai, 65nm MirrorBit Technology
202306	Test Site Addition of Amkor Shanghai, 45nm MirrorBit Technology

**Sample Status:**

Qualification samples are not built ahead of time for all part numbers affected by this change. If you require qualification samples, please contact your sales representative within 30 days of the date of this PCN.

**Approximate Implementation Date:**

Effective 90 days from the date of this notification or upon customer approval, whichever comes first, all shipments of Commercial, Industrial and Automotive non-PPAP part numbers in the attached file will be back-end tested at Amkor Assembly & Test (Shanghai) Co., Ltd. or other approved back-end test sites.

For Automotive PPAP part numbers this change will be effective upon customer approval.

**Anticipated Impact:**

No impact is expected to form, fit, function, datasheet parameters, reliability, package composition or package pin-out.

**Method of Identification:**

Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the date code marked on the package.

**Response Required:**

Please share any additional qualification and test requirements if needed.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at [pcn\\_adm@cypress.com](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration