



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

PRODUCT CHANGE NOTIFICATION

PCN: PCN190202A

Date: March 28, 2019

Subject: Addendum to PCN190202- Qualification of PTI Singapore (PTI-SG) as an Additional Class Testing and Backend Process Site for Select Ball Drop Bump WLCSP Products

Change Type: Major

Description of Change:

The purpose of this addendum is to communicate that there will be no change on country of origin (COO) marking stated in the initial PCN190202.

Cypress announced the qualification of Powertech Technology Inc. Singapore (PTI-SG – 12 Ang Mo Kio Street 65, Singapore 569060) as an additional class testing and backend process site for select ball drop bump WLCSP products. This is part of the ongoing flexible manufacturing initiative announced by Cypress. There will not be any changes on the tester platforms, test program coverage and methodologies.

Powertech Technology Inc. Singapore (PTI-SG) is the only 300mm wafer bumping facility in the central of Singapore global semiconductor industry. This qualification will allow Cypress to leverage PTI-SG's manufacturing expertise and quality focus. This in turn also provides the means for Cypress to continue to meet its customers' needs as well as delivery commitments in dynamic, changing market conditions. PTI-SG is certified on several international quality standards: ISO 9001, ISO14001 and OHSAS18001.

Benefit of Change:

Cypress will have the added capability to meet varying market demand, and to ensure consistent and reliable delivery performance to customers.

Part Numbers Affected: 4

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PCN will include all changes outlined in this PCN.

Qualification Status:

This package has been qualified through a series of tests documented in the Qualification Test Plans QTP#184401 for WLCSP class testing and QTP#184809 for backend process. These qualification reports can be found as attachments to this PCN or by visiting www.cypress.com and typing the QTP number in the keyword search window.

Approximate Implementation Date:

Effective 90 days from the date of this notification or upon customer approval, whichever comes first, all shipments of Commercial and Industrial part numbers in the attached file will be class tested and backend processed at PTI-SG or other approved sites.

Anticipated Impact:

Products class tested and backend processed at the new site are completely compatible with existing products from form, fit, functional, parametric and quality performance perspectives.

Cypress also recommends that customers take this opportunity to review these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

Method of Identification:

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

Response Required:

No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at pcn_adm@cypress.com.

Sincerely,

Cypress PCN Administration

Item Marketing Part Number

- 1 CYW4356XKUBGT
- 2 CG8674BAT
- 3 CG8703AFT
- 4 CG8921AMT