



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

**PCN:** PCN201901

**Date:** May 04, 2020

**Subject:** Qualification of HHGrace Fab3 as an Additional Wafer Fab Site for Select Industrial PSoC® 1 Products

**Change Type:** Major

**Description of Change:**

Cypress announces the qualification of HHGrace Fab3 (1399 Zu Chong Zhi Road, Zhangjiang Hi-Tech Park, Shanghai, 201203, People's Republic of China) as an additional wafer fab site for select Industrial PSoC® 1 products.

This qualification is part of the flexible manufacturing initiative which allows Cypress to meet its delivery commitments in dynamic and changing market conditions.

**Benefit of Change:**

Qualification of alternate manufacturing sites is part of the ongoing flexible manufacturing initiative announced by Cypress. The goal of the flexible manufacturing initiative is to provide the means for Cypress to continue to meet delivery commitments through dynamic, changing market conditions.

**Part Numbers Affected:** 16

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 wafer fab site has been qualified through a series of tests documented in the Qualification Test Plan QTP#164014. This qualification report can be found as an attachment to this PCN or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

**Sample Status:**

Qualification samples may not be built ahead of time for all part numbers affected by this change. Please review the attached 'Affected Parts List' file for a list of affected part numbers with their associated HHGrace Fab3 sample ordering part numbers. Samples are available now unless there is an indication that the sample ordering part numbers are subject to lead times. If you require qualification samples, please contact your local Cypress sales representative as soon as possible, preferably within 30 days of the date of this PCN, to place any sample orders.

**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 supplied from HHGrace Fab3 or other approved wafer fabrication sites.

**Anticipated Impact:**

Products fabricated 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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

<b>Item</b>	<b>Marketing Part Number</b>
1	CY8C28243-24PVXI
2	CY8C28243-24PVXIT
3	CY8C28403-24PVXI
4	CY8C28403-24PVXIT
5	CY8C28413-24PVXI
6	CY8C28413-24PVXIT
7	CY8C28433-24PVXI
8	CY8C28433-24PVXIT
9	CY8C28445-24PVXI
10	CY8C28445-24PVXIT
11	CY8C28452-24PVXI
12	CY8C28452-24PVXIT
13	CY8C28643-24LTXI
14	CY8C28643-24LTXIT
15	CY8C28645-24LTXI
16	CY8C28645-24LTXIT