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PRODUCT CHANGE NOTIFICATION

PCN: PCN183601

Date: September 10, 2018

Subject: Qualification of HHGrace Fab 3 as an Additional Wafer Fab Site and Test 25 as an Additional Wafer Sort Site for Select Automotive PSoC® 1 Products

To:

Change Type: Major

Description of Change:

Cypress announces the qualification of HHGrace Fab 3 in Shanghai, China as an additional wafer fab site and Test 25 as an additional wafer sort site for select automotive PSoC® 1 products.

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: 32

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:

These products have been qualified through a series of tests documented in the Qualification Test Plans summarized in the table below. The 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.

QTP Number	Qualification
164011	HHGrace Fab 3 Select Automotive PSoC® 1 Products
151907	Cypress Test 25 as Additional Wafer Sort Site

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 Fab 3 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 Fab 3 or other approved wafer fabrication sites.

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

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. The mask revision letter and fab location number are marked on the top of the package (please refer to 'Method of Identification' attachment).

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	Sample Order Part Numbers
1	CY8C21312-12PVXE	CY8C213125-12PVXE
2	CY8C21312-12PVXET	CY8C213125-12PVXE
3	CY8C21312-24PVXA	CY8C213125-24PVXA
4	CY8C21312-24PVXAT	CY8C213125-24PVXA
5	CY8C21334-12PVXE	CY8C213345-12PVXE
6	CY8C21334-12PVXET	CY8C213345-12PVXE
7	CY8C21334-24PVXA	CY8C213345-24PVXA
8	CY8C21334-24PVXAT	CY8C213345-24PVXA
9	CY8C21334W-12PVXE	CY8C21334W5-12PVXE
10	CY8C21334W-12PVXET	CY8C21334W5-12PVXE
11	CY8C21512-12PVXE	CY8C215125-12PVXE; Subject to lead time
12	CY8C21512-12PVXET	CY8C215125-12PVXE; Subject to lead time
13	CY8C21512-24PVXA	CY8C215125-24PVXA
14	CY8C21512-24PVXAT	CY8C215125-24PVXA
15	CY8C21534-12PVXE	CY8C215345-12PVXE
16	CY8C21534-12PVXET	CY8C215345-12PVXE
17	CY8C21534-24PVXA	CY8C215345-24PVXA; Subject to lead time
18	CY8C21534-24PVXAT	CY8C215345-24PVXA; Subject to lead time
19	CG7127AM	CG7127YM; Subject to lead time
20	CG7127AMT	CG7127YM; Subject to lead time
21	CP7407AT	CP7407YT
22	CP7407ATT	CP7407YT
23	CP8186AT	CP8186YT; Subject to lead time
24	CP8186ATT	CP8186YT; Subject to lead time
25	CP8331AT	CP8331YT
26	CP8331ATT	CP8331YT
27	CP8397AT	CP8397YT; Subject to lead time
28	CP8397ATT	CP8397YT; Subject to lead time
29	CP8611AT	CP8611YT
30	CP8611ATT	CP8611YT
31	CS8720AT	CS8720YT; Subject to lead time
32	CS8720ATT	CS8720YT; Subject to lead time