



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN181006

Date: March 15, 2018

Subject: Qualification of Fab 25 as an Additional Wafer Fab Site, Test 25 as an Additional Sort Site and ASE-Kaohsiung Taiwan as an Additional Assembly, Test and Finish Site for the PSoC® 4xx7 BLE and PSoC® 4xx8 BLE Product Family

To: PRICE CONTROL
NEWARK
pricecontrol@newark.com

Change Type: Major

Description of Change:

Cypress announces the qualification of Fab 25 in Austin, Texas as an additional wafer fab site, Test 25 as an additional sort site in Austin, Texas and qualification of ASE-Kaohsiung Taiwan (ASE-KH) as an additional assembly, test and finish site for 56-Pin QFN (7x7x0.6mm) for the PSoC® 4xx7 BLE and PSoC® 4xx8 BLE product family.

ASE-KH is a world-class manufacturing facility, qualified to build standard grade as well as automotive grade products in consistent with AEC-Q100. ASE-KH is certified to several international quality standards, including ISO/TS16949, OHSAS18001 and ANSI/ESD S20.20. The qualification of this facility will enable Cypress to tailor manufacturing operations to meet our customers' stringent quality and reliability requirements in our effort to continually provide world-class service. 56-pin QFN (7x7x0.6mm) packages assembled at ASE-KH will use the following Bill of Materials (BOM).

| Assembly Site | Cypress Philippines | ASE-Kaohsiung Taiwan |
|---------------|---------------------|----------------------|
| Mold Compound | Sumitomo G700Y | Sumitomo EME-G700LA |
| Die Attach | Ablestik QMI519 | Hitachi EN4900F |
| Bond Wire | 0.8 mil CuPd | 0.8 mil CuPd |
| Lead Finish | NiPdAu | Pure Sn |

These qualifications are part of the flexible manufacturing initiatives which allow 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: 82

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. 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.

| Qualification | QTP Report Number |
|---|-------------------|
| PSoC® 4xx7 BLE Device Family Fab 25 | 151603 |
| PSoC® 4xx8 BLE Device Family Fab 25 | 162013 |
| Cypress Test 25 as Additional Sort Site | 171610 |
| ASE-KH as Additional Assembly Site | 144405 |
| ASE-KH as Additional Test Site | 153801 |
| ASE-KH as Additional Finish Site | 113901 |

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 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 the affected part numbers in the attached file will be supplied from any of the qualified manufacturing sites. This change will be effective upon customer approval.

Anticipated Impact:

Products manufactured at Fab 25, Sorted at Test 25 and manufactured at ASE 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