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## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN135218

**Date:** June 14, 2013

**Subject:** Qualification of Manufacturing Changes for Gen4 TrueTouch Products

**To:** PCN ADMIN  
CYPRESS  
pcn\_adm@cypress.com

**Change Type:** Major

### Description of Changes:

Cypress announces the following qualifications for Gen4 True Touch products.

- (1) United Microelectronics Corporation (UMC) as an additional wafer fab location for all packages
- (2) Grace Semiconductor Manufacturing Corporation (GSMC) as an additional wafer fab location for 56-lead QFN products. GSMC is already a qualified wafer fab for all other packages.

Effective 90 days from the date of this notification or upon receipt of customer acceptance, whichever comes first, all shipments of the affected part numbers will be sourced as above. There will be no changes to product datasheets.

### 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.

### Affected Part Numbers:

#### Affected Parts: 59

See the attached 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:

The changes listed in this PCN have been qualified through a series of tests documented in the Qualification Test Plan (QTP) reports indicated in Table 1. Qualification reports can be found as attachments to this notification or by visiting [www.cypress.com](http://www.cypress.com), typing the QTP number in the search window and clicking on the magnifying glass icon.

**TABLE 1: QTP Report for changes**

CHANGE	QTP No.
UMC Wafer Fab Site	114909
56QFN Assembled in Cypress Manufacturing Limited (CML-RA)	123801
56QFN Assembled in Advanced Semiconductor Engineering (ASEK-Taiwan)	123905

**Sample Status:**

Qualification samples are not built ahead of time for all part numbers affect by this change. Please review the attached file for a list of affected part numbers with their associated sample ordering part numbers. Sample requests for products without samples built ahead of time will be built to order and subject to standard lead times. Please contact your Sales Representative as soon as possible, but 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.

**Anticipated Impact:**

Products manufactured at any new fabrication site are completely compatible with existing product from a functional, parametric, and quality performance perspective.

Cypress 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:**

There will be no changes to the part number. 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

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Sample Order Part Numbers	Samples Description
1	CY8CTMA1036BUI-00	Build to Order	Not Applicable
2	CY8CTMA1036BUI-12	Build to Order	Not Applicable
3	CY8CTMA1036BUI-12T	Build to Order	Not Applicable
4	CY8CTMA1036BUI-13	Build to Order	Not Applicable
5	CY8CTMA1036BUI-13T	Build to Order	Not Applicable
6	CY8CTMA1036BUI-23	Build to Order	Not Applicable
7	CY8CTMA1036BUI-23T	Build to Order	Not Applicable
8	CY8CTMA1036BUI-33	Build to Order	Not Applicable
9	CY8CTMA1036BUI-33T	Build to Order	Not Applicable
10	CY8CTMA400-44LQI	Build to Order	Not Applicable
11	CY8CTMA400-44LQIT	Build to Order	Not Applicable
12	CY8CTMA400-48LQI	CY8CTMA4008-48LQIKGA	UMC + Au + CML
		CY8CTMA4008-48LQIKGG	UMC + Au + ASE-KH
13	CY8CTMA400-60BUI	Build to Order	Not Applicable
14	CY8CTMA400-60BUIT	Build to Order	Not Applicable
15	CY8CTMA441-48LQI	Build to Order	Not Applicable
16	CY8CTMA441-48LQIT	Build to Order	Not Applicable
17	CY8CTMA461-48LQI	CY8CTMA4618-48LQIKGA	UMC + Au + CML
		CY8CTMA4618-48LQIKGG	UMC + Au + ASE-KH
18	CY8CTMA461-48LQIT	CY8CTMA4618-48LQIKGA	UMC + Au + CML
		CY8CTMA4618-48LQIKGG	UMC + Au + ASE-KH
19	CY8CTMA463-44LQI	Build to Order	Not Applicable
20	CY8CTMA463-44LQIT	Build to Order	Not Applicable
21	CY8CTMA463-48LQI	CY8CTMA4638-48LQIKGA	UMC + Au + CML
		CY8CTMA4638-48LQIKGG	UMC + Au + ASE-KH
22	CY8CTMA463-48LQIT	CY8CTMA4638-48LQIKGA	UMC + Au + CML
		CY8CTMA4638-48LQIKGG	UMC + Au + ASE-KH
23	CY8CTMA463-49FNIT	Build to Order	Not Applicable
24	CY8CTMA463-56LQI	CY8CTMA4638-56LQIKGA	UMC + Au + CML
		CY8CTMA4638-56LQIKGG	UMC + Au + ASE-KH
		CY8CTMA4635-56LQIKA	GSMC + Au + CML
		CY8CTMA4635-56LQIKG	GSMC + Au + ASE-KH
25	CY8CTMA463-56LQIT	CY8CTMA4638-56LQIKGA	UMC + Au + CML
		CY8CTMA4638-56LQIKGG	UMC + Au + ASE-KH
		CY8CTMA4635-56LQIKA	GSMC + Au + CML
		CY8CTMA4635-56LQIKG	GSMC + Au + ASE-KH
26	CY8CTMA463-60BUI	CY8CTMA4638-60BUIKC	UMC + CuPd + ASE-CL
		CY8CTMA4638-60BUIKG	UMC + CuPd + ASE-KH
27	CY8CTMA463-60BUIT	CY8CTMA4638-60BUIKC	UMC + CuPd + ASE-CL
		CY8CTMA4638-60BUIKG	UMC + CuPd + ASE-KH
28	CY8CTMA768BUI-00	Build to Order	Not Applicable
29	CY8CTMA768BUI-12	Build to Order	Not Applicable
30	CY8CTMA768BUI-12T	Build to Order	Not Applicable
31	CY8CTMA768BUI-13	Build to Order	Not Applicable
32	CY8CTMA768BUI-13T	Build to Order	Not Applicable
33	CY8CTMA768BUI-23	CY8CTMA7688BUI-23KC	UMC + CuPd + ASE-CL
		CY8CTMA7688BUI-23KG	UMC + CuPd + ASE-KH
34	CY8CTMA768BUI-23T	CY8CTMA7688BUI-23KC	UMC + CuPd + ASE-CL
		CY8CTMA7688BUI-23KG	UMC + CuPd + ASE-KH
35	CY8CTMA768BUI-33	Build to Order	Not Applicable

36	CY8CTMA768BUI-33T	Build to Order	Not Applicable
37	CG7539AM	Build to Order	Not Applicable
38	CG7539AMT	Build to Order	Not Applicable
39	CG7574AM	Build to Order	Not Applicable
40	CG7574AMT	Build to Order	Not Applicable
41	CG7575AM	Build to Order	Not Applicable
42	CG7575AMT	Build to Order	Not Applicable
43	CG7662AA	Build to Order	Not Applicable
44	CG7662AAT	Build to Order	Not Applicable
45	CG7683AM	Build to Order	Not Applicable
46	CG7687AM	Build to Order	Not Applicable
47	CG7687AMT	Build to Order	Not Applicable
48	CG7688AA	Build to Order	Not Applicable
49	CG7688AAT	Build to Order	Not Applicable
50	CP7557BT	Build to Order	Not Applicable
51	CP7557BTT	Build to Order	Not Applicable
52	CP7699AT	Build to Order	Not Applicable
53	CP7699ATT	Build to Order	Not Applicable
54	CP7746AT	Build to Order	Not Applicable
55	CP7746ATT	Build to Order	Not Applicable
56	CP7770AT	Build to Order	Not Applicable
57	CP7770ATT	Build to Order	Not Applicable
58	CP7771AT	Build to Order	Not Applicable
59	CP7771ATT	Build to Order	Not Applicable



80-Ball UFBGA
48-Pin QFN
48-Pin QFN
44-Pin QFN
44-Pin QFN
48-Pin QFN
48-Pin QFN
56-Pin QFN
56-Pin QFN
48-Pin QFN
60-Ball UFBGA
60-Ball UFBGA
48-Pin QFN
48-Pin QFN
60-Ball UFBGA
60-Ball UFBGA
60-Ball UFBGA
60-Ball UFBGA
80-Ball UFBGA
80-Ball UFBGA
48-Pin QFN
48-Pin QFN
48-Pin QFN
48-Pin QFN