



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN152404

**Date:** June 15, 2015

**Subject:** Qualification of Cypress Bangkok as an additional Assembly Site for Select 48 Ball Grid Array (BGA) Products

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

**Change Type:** Major

**Description of Change:**

Cypress announces the qualification of Cypress Bangkok (formerly Spansion Bangkok) for the assembly of select 48 Ball Grid Array (BGA) products. Cypress Bangkok is a world-class assembly facility, qualified to build standard grade as well as automotive grade products consistent with AEC-Q100. Cypress Bangkok 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 assembly operations to meet our customers' stringent quality and reliability requirements in our effort to continually provide world-class service. 48 BGA packages assembled at Cypress Bangkok will use the following Bill of Materials (BOM).

<b>48BGA</b>			
Assembly Site	CY Philippines	ASE Taiwan	CY Bangkok
Mold Compound	Henkel GR9810	Kyocera KEG2250	ShinEtsu KMC-3580
Die Attach	Dexter QMI 506	Ablebond 2025D	Sumitomo CRM-1577DB
Bond Wire	0.8 mil Cu-Pd	0.8 mil Cu-Pd	0.8 mil Cu-Pd
Solder Ball	98.5% Sn, 1.0% Ag, 0.5%Cu	98.5% Sn, 1.0% Ag, 0.5% Cu	98.5% Sn, 1.0% Ag, 0.5% Cu
	62.0% Sn, 36.0% Pb, 2.0% Ag	63.0% Sn, 37.0% Pb	63.0% Sn, 37.0% Pb

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from the Cypress Website ([www.cypress.com](http://www.cypress.com)).

**Benefit of Change:**

The addition of Cypress Bangkok as a manufacturing location allows Cypress to leverage additional manufacturing expertise and quality focus. This in turn provides the means for Cypress to continue to meet our customers' requirements and meet our delivery commitments in dynamic market conditions.

**Affected Part Numbers: 74**

**Affected Parts:** See the attached file for a list of all part numbers affected by this change. Note that any new 48 BGA parts that are introduced after the publication of this PCN may also be manufactured at the Cypress Bangkok facility.

**Qualification Status:**

Cypress Bangkok has been qualified through a series of tests documented in the Qualification Test Plan (QTP) report 152202. The qualification report can be found as an attachment to this notification or by visiting [www.cypress.com](http://www.cypress.com), and typing the QTP number in the keyword search window.

**Sample Status:**

Qualification samples are not built ahead of time for all part numbers affected 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 sample order part numbers are not built ahead of time, they 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 Cypress Bangkok or any other approved assembly sites.

**Anticipated Impact:**

Products manufactured at Cypress Bangkok 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 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>	<b>Sample Ordering Part Number</b>
1	CY62126EV18LL-70BVXI	Available to order; subject to lead time
2	CY62126EV30LL-45BVXI	CY62126EV30LL-45BXIKK
3	CY62126EV30LL-45BVXIT	CY62126EV30LL-45BXIKK
4	CY62127DV30LL-55BVXI	CY62127DV30LL-55BXIKK
5	CY62127DV30LL-55BVXIT	CY62127DV30LL-55BXIKK
6	CY62136EV30LL-45BVXI	CY62136EV30LL-45BXIKK
7	CY62136EV30LL-45BVXIT	CY62136EV30LL-45BXIKK
8	CY62136FV30LL-45BVXI	CY62136FV30LL-45BXIKK
9	CY62136FV30LL-45BVXIT	CY62136FV30LL-45BXIKK
10	CY62137EV30LL-45BVXI	Available to order; subject to lead time
11	CY62137EV30LL-45BVXIT	Available to order; subject to lead time
12	CY62137FV18LL-55BVXI	CY62137FV18LL-55BXIKK
13	CY62137FV18LL-55BVXIT	CY62137FV18LL-55BXIKK
14	CY62137FV30LL-45BVXI	CY62137FV30LL-45BXIKK
15	CY62137FV30LL-45BVXIT	CY62137FV30LL-45BXIKK
16	CY62146EV30LL-45BVXI	Available to order; subject to lead time
17	CY62146EV30LL-45BVXIT	Available to order; subject to lead time
18	CY62147EV18LL-55BVXI	Available to order; subject to lead time
19	CY62147EV18LL-55BVXIT	Available to order; subject to lead time
20	CY62147EV30LL-45B2XI	Available to order; subject to lead time
21	CY62147EV30LL-45B2XIT	Available to order; subject to lead time
22	CY62147EV30LL-45BVI	CY62147EV30LL-45BVIKK
23	CY62147EV30LL-45BVIT	CY62147EV30LL-45BVIKK
24	CY62147EV30LL-45BVXI	CY62147EV30LL-45BXIKK
25	CY62147EV30LL-45BVXIT	CY62147EV30LL-45BXIKK
26	CY62157EV18LL-55BVXI	CY62157EV18LL-55BXIKK
27	CY62157EV18LL-55BVXIT	CY62157EV18LL-55BXIKK
28	CY62157EV30LL-45BVI	CY62157EV30LL-45BVIKK
29	CY62157EV30LL-45BVIT	CY62157EV30LL-45BVIKK
30	CY62157EV30LL-45BVXI	CY62157EV30LL-45BXIKK
31	CY62157EV30LL-45BVXIT	CY62157EV30LL-45BXIKK
32	CY62158EV30LL-45BVXI	CY62158EV30LL-45BXIKK
33	CY62158EV30LL-45BVXIT	CY62158EV30LL-45BXIKK
34	CY62167EV18LL-55BVI	CY62167EV18LL-55BVIKK
35	CY62167EV18LL-55BVIT	CY62167EV18LL-55BVIKK
36	CY62167EV18LL-55BVXI	Available to order; subject to lead time
37	CY62167EV18LL-55BVXIT	Available to order; subject to lead time
38	CY62167EV30LL-45BVI	CY62167EV30LL-45BVIKK
39	CY62167EV30LL-45BVIT	CY62167EV30LL-45BVIKK
40	CY62167EV30LL-45BVXI	CY62167EV30LL-45BXIKK
41	CY62167EV30LL-45BVXIT	CY62167EV30LL-45BXIKK
42	CY62168EV30LL-45BVXI	CY62168EV30LL-45BXIKK
43	CY62168EV30LL-45BVXIT	CY62168EV30LL-45BXIKK
44	CY7C1011DV33-10BVXI	Available to order; subject to lead time
45	CY7C1011DV33-10BVXIT	Available to order; subject to lead time
46	CY7C1019DV33-10BVXI	Available to order; subject to lead time
47	CY7C1019DV33-10BVXIT	Available to order; subject to lead time
48	CY7C1021DV33-10BVXI	CY7C1021DV33-10BVXIKK
49	CY7C1021DV33-10BVXIT	CY7C1021DV33-10BVXIKK
50	CY7C1041DV33-10BVI	CY7C1041DV33-10BVIKK
51	CY7C1041DV33-10BVIT	CY7C1041DV33-10BVIKK
52	CY7C1041DV33-10BVJXI	CY7C1041DV33-10BJXIKK
53	CY7C1041DV33-10BVJXIT	CY7C1041DV33-10BJXIKK
54	CY7C1041DV33-10BVXI	CY7C1041DV33-10BVXIKK

55	CY7C1041DV33-10BVXIT	CY7C1041DV33-10BVXIKK
56	CG7424AF	Available to order; subject to lead time
57	CG7424AFT	Available to order; subject to lead time
58	CG7559AA	Available to order; subject to lead time
59	CG7559AAT	Available to order; subject to lead time
60	CG7926AT	Available to order; subject to lead time
61	CG7926ATT	Available to order; subject to lead time
62	CG8201AA	Available to order; subject to lead time
63	CG8201AAT	Available to order; subject to lead time
64	CG8202AA	Available to order; subject to lead time
65	CG8202AAT	Available to order; subject to lead time
66	CG8205AA	Available to order; subject to lead time
67	CG8205AAT	Available to order; subject to lead time
68	CG8206AA	Available to order; subject to lead time
69	CG8206AAT	Available to order; subject to lead time
70	CG8237AAT	Available to order; subject to lead time
71	CG8246AAT	Available to order; subject to lead time
72	CG8251AA	Available to order; subject to lead time
73	CG8251AAT	Available to order; subject to lead time
74	CG8266AAT	Available to order; subject to lead time