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PRODUCT CHANGE NOTIFICATION

PCN: PCN135256

Date: December 13, 2013

Subject: Qualification of Die Attach Film for 65nm QDR/DDR Product in 13x15mm 165FBGA Package Assembled at Cypress Philippines.

To: PCN ADMIN
 CYPRESS
 pcn_admin@cypress.com

Description of Change:

Cypress announces the qualification of Die Attach Film (ATB-12XUS1) for 65nm QDR/DDR product in 13x15mm 165FBGA package assembled at Cypress Philippines.

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 in the attached file will be using the new assembly bill of materials.

65nm 165FBGA with 13mm x 15mm package dimension will be assembled using the following set of materials:

Material	New		Old	
Die Attach Material	Henkel Die Attach Film ATB12XUS1		Dexter Die Attach Epoxy QMI506	
Mold Compound	Henkel GR9810		Henkel GR9810	Plaskon CK-7000
Bond Wire	0.8 mil Cu-Pd	1.0 mil Au	0.8 mil Cu-Pd	1.0 mil Au

Benefit of Change:

Qualification of new assembly bill of materials is part of Cypress' continuous effort to improve package board level solderability. The change provides tolerance to a wider process window during reflow and compatibility with a larger set of materials during board assembly.

Affected Part Numbers:

Affected Parts: 406
 Please see attached list.

Qualification Status:

The new assembly bill of materials has been qualified through a series of tests documented in Qualification Test Plan (QTP) number 133105. The qualification reports for this QTP can be found as an attachment to this notification or by visiting www.cypress.com, typing the QTP number in the search window, and clicking on the magnifying glass symbol.

Sample Status:

Qualification samples were built ahead only for some of the part numbers. The ordering part number of available samples are listed in the attached excel document.

Sample orders received after 30 days from the date of this PCN and qualification sample orders for parts which do not have a listed sample ordering part number in the table above will be subject to lead times. If you require qualification samples, please contact your sales representative as soon as possible.

Approximate Implementation Date:

Effective 90 days from this notification, all shipments of the affected part numbers in the attached file will be using the new assembly bill of materials.

Anticipated Impact:

None anticipated. Products manufactured with this new bill of materials are completely compatible with existing product from a functional, parametric, and quality performance perspective.

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:

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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Samples Ordering Marketing Part Number
1	CY7C25652KV18-500BZXC	CY7C25652KV18-500XCCKA
2	CY7C25652KV18-500BZC	CY7C25652KV18-500BCKA
3	CY7C2270KV18-550BZXC	CY7C2270KV18-550XCCKA
4	CY7C1911KV18-250BZCT	CY7C1911KV18-250BZCKA
5	CY7C1911KV18-250BZC	CY7C1911KV18-250BZCKA
6	CY7C1570KV18-450BZXC	CY7C1570KV18-450XCCKA
7	CY7C1565KV18-450BZXC	CY7C1565KV18-450XCCKA
8	CY7C15632KV18-450BZC	CY7C15632KV18-450BCKA
9	CY7C15632KV18-400BZXC	CY7C15632KV18-400XCCKA
10	CY7C1525KV18-250BZC	CY7C1525KV18-250BZCKA
11	CY7C1520KV18-250BZC	CY7C1520KV18-250BZCKA
12	CY7C1520KV18-250BZCT	CY7C1520KV18-250BZCKA
13	CY7C1518KV18-333BZC	CY7C1518KV18-333BZCKA
14	CY7C1515KV18-300BZXC	CY7C1515KV18-300XCCKA
15	CY7C1515KV18-300BZC	CY7C1515KV18-300BZCKA
16	CY7C1515KV18-300BZCT	CY7C1515KV18-300BZCKA
17	CY7C1514KV18-250BZXC	CY7C1514KV18-250XCCKA
18	CY7C1514KV18-250BZC	CY7C1514KV18-250BZCKA
19	CY7C1513KV18-250BZC	CY7C1513KV18-250BZCKA
20	CY7C1512KV18-300BZKI	CY7C1512KV18-300XICKA
21	CY7C1512KV18-300BZXC	CY7C1512KV18-300XCCKA
22	CY7C1512KV18-250BZKI	CY7C1512KV18-250XICKA
23	CY7C1512KV18-250BZXC	CY7C1512KV18-250XCCKA
24	CY7C1512KV18-250BZI	CY7C1512KV18-250BZICKA
25	CY7C1512KV18-250BZIT	CY7C1512KV18-250BZICKA
26	CY7C1512KV18-250BZC	CY7C1512KV18-250BZCKA
27	CY7C1425KV18-250BZCT	CY7C1425KV18-250BZCKA
28	CY7C1425KV18-250BZC	CY7C1425KV18-250BZCKA
29	CY7C1424KV18-250BZC	CY7C1424KV18-250BZCKA
30	CY7C1424KV18-250BZCT	CY7C1424KV18-250BZCKA
31	CY7C1423KV18-300BZXC	CY7C1423KV18-300XCCKA
32	CY7C1423KV18-250BZC	CY7C1423KV18-250BZCKA
33	CY7C1420KV18-250BZKI	CY7C1420KV18-250XICKA
34	CY7C1420KV18-250BZXC	CY7C1420KV18-250XCCKA
35	CY7C1420KV18-250BZC	CY7C1420KV18-250BZCKA
36	CY7C1420KV18-250BZCT	CY7C1420KV18-250BZCKA
37	CY7C1418KV18-250BZXC	CY7C1418KV18-250XCCKA
38	CY7C1415KV18-300BZKI	CY7C1415KV18-300XICKA
39	CY7C1415KV18-300BZXC	CY7C1415KV18-300XCCKA
40	CY7C1415KV18-250BZI	CY7C1415KV18-250BZICKA
41	CY7C1415KV18-250BZC	CY7C1415KV18-250BZCKA
42	CY7C1414KV18-300BZXC	CY7C1414KV18-300XCCKA
43	CY7C1414KV18-300BZC	CY7C1414KV18-300BZCKA
44	CY7C1414KV18-250BZKIT	CY7C1414KV18-250XICKA
45	CY7C1414KV18-250BZKI	CY7C1414KV18-250XICKA
46	CY7C1414KV18-250BZXC	CY7C1414KV18-250XCCKA
47	CY7C1414KV18-250BZC	CY7C1414KV18-250BZCKA
48	CY7C1414KV18-250BZCT	CY7C1414KV18-250BZCKA
49	CY7C1413KV18-333BZKI	CY7C1413KV18-333XICKA
50	CY7C1413KV18-250BZC	CY7C1413KV18-250BZCKA
51	CY7C1413KV18-250BZCT	CY7C1413KV18-250BZCKA
52	CY7C1412KV18-250BZKI	CY7C1412KV18-250XICKA
53	CY7C1412KV18-250BZXC	CY7C1412KV18-250XCCKA
54	CY7C1412KV18-250BZC	CY7C1412KV18-250BZCKA
55	CY7C1411KV18-300BZC	CY7C1411KV18-300BZCKA
56	CY7C1411KV18-250BZC	CY7C1411KV18-250BZCKA
57	CY7C1321KV18-250BZC	CY7C1321KV18-250BZCKA
58	CY7C1320KV18-250BZXC	CY7C1320KV18-250XCCKA
59	CY7C1320KV18-250BZC	CY7C1320KV18-250BZCKA
60	CY7C1319KV18-250BZC	CY7C1319KV18-250BZCKA
61	CY7C1318KV18-250BZXC	CY7C1318KV18-250XCCKA
62	CY7C1318KV18-250BZC	CY7C1318KV18-250BZCKA
63	CY7C1315KV18-250BZXC	CY7C1315KV18-250XCCKA
64	CY7C1315KV18-250BZI	CY7C1315KV18-250BZICKA
65	CY7C1315KV18-250BZC	CY7C1315KV18-250BZCKA
66	CY7C1315KV18-250BZCT	CY7C1315KV18-250BZCKA
67	CY7C1314KV18-250BZXC	CY7C1314KV18-250XCCKA
68	CY7C1314KV18-250BZC	CY7C1314KV18-250BZCKA
69	CY7C1313KV18-250BZC	CY7C1313KV18-250BZCKA
70	CY7C1312KV18-300BZKI	CY7C1312KV18-300XICKA
71	CY7C1312KV18-300BZXC	CY7C1312KV18-300XCCKA
72	CY7C1312KV18-300BZC	CY7C1312KV18-300BZCKA
73	CY7C1312KV18-250BZXC	CY7C1312KV18-250XCCKA
74	CY7C1312KV18-250BZC	CY7C1312KV18-250BZCKA
75	CY7C1250KV18-400BZXC	CY7C1250KV18-400XCCKA
76	CY7C1250KV18-400BZC	CY7C1250KV18-400BZCKA
77	CY7C1245KV18-400BZXC	CY7C1245KV18-400XCCKA
78	CY7C1148KV18-400BZXC	CY7C1148KV18-400XCCKA
79	CY7C1145KV18-400BZXC	CY7C1145KV18-400XCCKA
80	CY7C1145KV18-400BZCT	CY7C1145KV18-400XCCKA
81	CY7C1143KV18-400BZC	Available to order; Subject to Leadtime
82	CY7C1143KV18-400BZI	Available to order; Subject to Leadtime
83	CY7C1143KV18-450BZC	Available to order; Subject to Leadtime
84	CY7C1145KV18-400BZKI	Available to order; Subject to Leadtime
85	CY7C1145KV18-450BZXC	Available to order; Subject to Leadtime
86	CY7C1148KV18-400BZC	Available to order; Subject to Leadtime
87	CY7C1148KV18-450BZXC	Available to order; Subject to Leadtime
88	CY7C1150KV18-400BZC	Available to order; Subject to Leadtime
89	CY7C1150KV18-400BZXC	Available to order; Subject to Leadtime
90	CY7C1150KV18-400BZKI	Available to order; Subject to Leadtime
91	CY7C1150KV18-450BZC	Available to order; Subject to Leadtime
92	CY7C1163KV18-400BZI	Available to order; Subject to Leadtime
93	CY7C1163KV18-450BZC	Available to order; Subject to Leadtime
94	CY7C1163KV18-550BZC	Available to order; Subject to Leadtime
95	CY7C1165KV18-400BZC	Available to order; Subject to Leadtime
96	CY7C1165KV18-400BZXC	Available to order; Subject to Leadtime
97	CY7C1165KV18-550BZC	Available to order; Subject to Leadtime
98	CY7C1165KV18-550BZXC	Available to order; Subject to Leadtime
99	CY7C1168KV18-400BZC	Available to order; Subject to Leadtime
100	CY7C1168KV18-400BZXC	Available to order; Subject to Leadtime

