



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

## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN174101

**Date:** October 12, 2017

**Subject:** Wireless Products Failure Analysis Policy Change

**To:**

**Change Type:** Minor

**Description of Change:**

Cypress is changing its policy for failure analysis of wireless products to only accept units for failure analysis if the customer has successfully completed an ABA swap test<sup>1</sup> to confirm the failure has been isolated to the Cypress device.

**Benefit of Change:**

By implementing this policy change, Cypress will better be able to service the confirmed issues customers are observing. This policy change is required due to the large percentage of NTF (No Trouble Found) results on wireless failure analysis cases.

**Part Numbers Affected:** 210

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 PIN will include all changes outlined in this PIN.

**Approximate Implementation Date:**

This change will be implemented effective with the date of this notification.

**Anticipated Impact:**

Customers will observe more timely, efficient and focused failure analysis and corrective action support for confirmed-failing units.

Analyzing a returned unit involves testing it on a variety of manufacturing automated test equipment, DC-level bench testing by failure analysis engineers, as well as functional bench testing by applications engineers.

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<sup>1</sup> Removing suspected failing component 'A' from the board, replacing it with known-good-component 'B' (does the board now work?), and mounting part 'A' on a known-good board (does the board now fail?). This process confirms that the observed failure is indeed due to component 'A' and not to some other component on the board or an interaction therewith.

Over the past year, we find that on average, 55% of returns claimed to be functional failures successfully pass this rigorous testing. In contrast, customers that perform ABA swap testing prior to submission of failure analysis requests achieve an NTF rate of less than 12%.

**Response Required:**

This is an information-only announcement. 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

Item	Marketing Part Number
1	BCM2046SB1KUFBG
2	BCM20707A2KUBGT
3	BCM20713A1KUBXGT
4	BCM20713A1KUFBXG
5	BCM20732A0KML2GT
6	BCM20733A3KFB1GT
7	BCM20736A1KML2GT
8	BCM20736E
9	BCM20736ST
10	BCM20737L
11	BCM4319GKUBGT
12	BCM4322KFBGH
13	BCM43236BKMLG
14	BCM43236BKMLGT
15	BCM4325GKWBGT
16	BCM4329HKUBGT
17	BCM43303KUBGT
18	BCM4330XKUBGT
19	BCM4334WKUBGT
20	BCM43353LIUBGT
21	BCM4339XKUBGT
22	BCM43438KUBGT
23	BCM4343WKUBGT
24	BCM43455XKUBGT
25	BCM88335L2CUBGT
26	BCM88359CUBGT
27	BCM89071A1CUBXGT
28	BCM89335L2CUBGT
29	BCM89335LCUBGT
30	BCM89359CUBGT
31	CG8650AA
32	CG8650AAT
33	CG8674AAT
34	CG8674BAT
35	CG8701AF
36	CG8701AFT
37	CG8702AFT
38	CG8703AFT
39	CG8704AF
40	CG8704AFT
41	CG8705AFT
42	CG8706AFT
43	CG8714AM
44	CG8714AMT
45	CG8715AFT
46	CG8718AFT
47	CG8719AF
48	CG8719AFT
49	CG8729AF
50	CG8729AFT
51	CG8730AAT
52	CG8732AFT
53	CG8733AF
54	CG8733AFT

55	CG8734AF
56	CG8734AFT
57	CG8735AFT
58	CG8793AFT
59	CY20736S-WAF
60	CYW2046SB1KUFBG
61	CYW20702A1KWFBG
62	CYW20702A1KWFBG
63	CYW20702B0KWFBG
64	CYW20702B0KWFBG
65	CYW20703UA1KFFB1G
66	CYW20703UA1KFFB1GT
67	CYW20704UA1KFFB1G
68	CYW20704UA1KFFB1GT
69	CYW20704UA2KFFB1G
70	CYW20704UA2KFFB1GT
71	CYW20705A1KWFBG
72	CYW20705B0KWFBG
73	CYW20705B0KWFBG
74	CYW20706UA1KFFB1G
75	CYW20706UA1KFFB1GT
76	CYW20706UA1KFFB4G
77	CYW20706UA2KFFB4G
78	CYW20706UA2KFFB4GT
79	CYW20707A2KUBGT
80	CYW20707UA1KFFB1G
81	CYW20707UA1KFFB4G
82	CYW20707UA1KFFB4GT
83	CYW20707UA2KFFB4G
84	CYW20707UA2KFFB4GT
85	CYW20707VA1PKWBGT
86	CYW20707VA2PKWBGT
87	CYW2070B2KUBXGT
88	CYW2070CB0KUF BXGT
89	CYW2070PB1KWFBGT
90	CYW20710A1KUBXGT
91	CYW20713A1KUBXGT
92	CYW20713A1KUF BXG
93	CYW20715A1KUBXGT
94	CYW20719B1KUMLG
95	CYW20719B1KUMLGT
96	CYW20730A1KFBGT
97	CYW20730A1KML2GT
98	CYW20730A1KMLG
99	CYW20730A1KMLGT
100	CYW20730A2KFBG
101	CYW20730A2KFBGT
102	CYW20730A2KML2GT
103	CYW20732A0KML2G
104	CYW20732A0KML2GT
105	CYW20732E
106	CYW20732I
107	CYW20732IT
108	CYW20732S
109	CYW20732ST

110	CYW20732Y
111	CYW20732YT
112	CYW20733A1KFB1GT
113	CYW20733A2KFB1G
114	CYW20733A2KFB1GT
115	CYW20733A2KML1G
116	CYW20733A2KML1GT
117	CYW20733A3KFB1G
118	CYW20733A3KFB1GT
119	CYW20733A3KFB2GT
120	CYW20733A3KML1GT
121	CYW20734UA1KFFB3G
122	CYW20734UA1KFFB3GT
123	CYW20735KFBG
124	CYW20735KFBGT
125	CYW20735PKML1G
126	CYW20735PKML1GT
127	CYW20736A1KML2G
128	CYW20736A1KML2GT
129	CYW20736A1KWBG
130	CYW20736E
131	CYW20736ET
132	CYW20736S
133	CYW20736ST
134	CYW20737A1KML2G
135	CYW20737A1KML2GT
136	CYW20737L
137	CYW20737LT
138	CYW20737S
139	CYW20737ST
140	CYW20738A1KFBGT
141	CYW20738A2KML3G
142	CYW20738A2KML3GT
143	CYW20740A2KFB1GT
144	CYW20740A2KMLGT
145	CYW20741A2KFB1GT
146	CYW20742A2KFB1GT
147	CYW20745A0KFBGT
148	CYW20746A0KFBGT
149	CYW20748A0KFBGT
150	CYW20771A0KWFBGT
151	CYW20930A0KML2G
152	CYW20930A0KML2GT
153	CYW20930A2KML2G
154	CYW20930A2KML2GT
155	CYW43143KMLG
156	CYW43143KMLGT
157	CYW4318EKFBG
158	CYW4319GKUBGT
159	CYW4319XKUBGT
160	CYW43228KMLG
161	CYW4322KFBGH
162	CYW43236BKMLG
163	CYW43236BKMLGT
164	CYW43237KMLGT

165	CYW43241XFKFFBGT
166	CYW43241XFKWBGT
167	CYW43242KFFB4G
168	CYW43242KFFBG
169	CYW43242KFFBGT
170	CYW43243KFFBG
171	CYW4325GKWBGT
172	CYW4329EKUBGT
173	CYW4329FKUBGT
174	CYW4329HKUBGT
175	CYW43303KUBGT
176	CYW4330FKUBGT
177	CYW4330GKWBGT
178	CYW4330XKUBGT
179	CYW43340HKUBGT
180	CYW43340XKUBGT
181	CYW4334WKUBGT
182	CYW4334XKWBGT
183	CYW43353LIUBGT
184	CYW43362KUBGT
185	CYW43362SKUBGT
186	CYW43364KUBGT
187	CYW4339XKUBGT
188	CYW4339XKWBGT
189	CYW43438KUBGT
190	CYW4343W1KUBGT
191	CYW4343WKUBGT
192	CYW4343WKWBGT
193	CYW43455XKUBGT
194	CYW4354KKWBGT
195	CYW4354XKUBGT
196	CYW43569PKFFBGT
197	CYW4356XKUBGT
198	CYW4356XKWBGT
199	CYW43570KFFBGT
200	CYW43596XKUBGT
201	CYW43596XKWBGT
202	CYW43903KUBGT
203	CYW43907KWBGT
204	CYW4390DKWBGT
205	CYW88335L2CUBGT
206	CYW88359CUBGT
207	CYW89071A1CUBXGT
208	CYW89335L2CUBGT
209	CYW89335LCUBGT
210	CYW89359CUBGT