



Cypress Semiconductor Corporation – An Infineon Technologies Company  
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## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN203101

**Date:** July 27, 2020

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

**To:** FUTURE ELECTRONICS  
FUTURE ELE  
pcn.system@futureelectronics.com

**Change Type:** Minor

### **Description of Change:**

Cypress is changing its policy for failure analysis of USB products to only accept units for failure analysis if the customer has successfully completed an ABA swap test<sup>1</sup> for non-WLCSP/BGA packages or chip isolation test for WLCSP/BGA packages to confirm the failure was caused by the Cypress device. Additional information to replicate and solve the customer issue in a timely manner will be required.

### **Benefit of Change:**

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

### **Part Numbers Affected:** 522

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.

<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.

**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, bench testing by failure analysis engineers and product engineers, as well as functional bench testing by applications engineers.

**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	CY7B923-400JXC
2	CY7B923-400JXCT
3	CY7B923-JXC
4	CY7B923-JXCT
5	CY7B923-JXI
6	CY7B923-JXIT
7	CY7B923-SXC
8	CY7B923-SXCT
9	CY7B933-400JXC
10	CY7B933-400JXCT
11	CY7B933-JXC
12	CY7B933-JXCT
13	CY7B933-JXI
14	CY7B933-JXIT
15	CY7B933-SXC
16	CY7B933-SXCT
17	CY7C53120E2-10SXI
18	CY7C53120E4-40AXI
19	CY7C53120E4-40SXI
20	CY7C53120E4-40SXIT
21	CY7C53150-20AXI
22	CY7C53150-20AXIT
23	CY7C60455-48LTXC
24	CY7C60455-48LTXCT
25	CY7C63310-SXC
26	CY7C63413C-PVXC
27	CY7C63413C-PVXCT
28	CY7C63801-SXC
29	CY7C63803-LQXC
30	CY7C63803-SXC
31	CY7C63803-SXCT
32	CY7C63813-PXC
33	CY7C63813-SXC
34	CY7C63813-SXCT
35	CY7C63823-SXC
36	CY7C63823-SXCT
37	CY7C63823-XC
38	CY7C63833-LTXC
39	CY7C63833-LTXCT
40	CY7C64215-28PVXC
41	CY7C64215-28PVXCT
42	CY7C64215-28PVXI
43	CY7C64215-28PVXIT
44	CY7C64215-56LTXC
45	CY7C64215-56LTXCT
46	CY7C64215-56LTXI

47	CY7C64215-56LTXIT
48	CY7C64225-28PVXC
49	CY7C64225-28PVXCT
50	CY7C64315-16LKXC
51	CY7C64315-16LKXCT
52	CY7C64315-16LKXI
53	CY7C64315-16LKXIT
54	CY7C64316-16LKXC
55	CY7C64316-16LKXCT
56	CY7C64343-32LQXC
57	CY7C64343-32LQXCT
58	CY7C64345-32LQXC
59	CY7C64345-32LQXCT
60	CY7C64346-32LQXC
61	CY7C64346-32LQXCT
62	CY7C64355-48LTXC
63	CY7C64355-48LTXCT
64	CY7C64356-48LTXC
65	CY7C64356-48LTXCT
66	CY7C64713-100AXC
67	CY7C64713-128AXC
68	CY7C64713-56LTXC
69	CY7C64713-56PVXC
70	CY7C64713-56PVXCT
71	CY7C65210-24LTXI
72	CY7C65210-24LTXIT
73	CY7C65210A-24LTXI
74	CY7C65210A-24LTXIT
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76	CY7C65211-24LTXIT
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78	CY7C65211A-24LTXIT
79	CY7C65213-28PVXI
80	CY7C65213-28PVXIT
81	CY7C65213-32LTXI
82	CY7C65213-32LTXIT
83	CY7C65213A-28PVXI
84	CY7C65213A-28PVXIT
85	CY7C65213A-32LTXI
86	CY7C65213A-32LTXIT
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91	CY7C65217-24LTXI
92	CY7C65217-24LTXIT
93	CY7C65217A-24LTXI

94	CY7C65217A-24LTXIT
95	CY7C65219-40LQXI
96	CY7C65219-40LQXIT
97	CY7C65221-24LTXI
98	CY7C65221-24LTXIT
99	CY7C65620-56LTXC
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106	CY7C65621-56LTXIT
107	CY7C65630-56LTXC
108	CY7C65630-56LTXCT
109	CY7C65630-56LTXI
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112	CY7C65631-56LTXCT
113	CY7C65631-56LTXI
114	CY7C65631-56LTXIT
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116	CY7C68013A-100AXI
117	CY7C68013A-128AXC
118	CY7C68013A-128AXI
119	CY7C68013A-56BAXC
120	CY7C68013A-56BAXCT
121	CY7C68013A-56LTXC
122	CY7C68013A-56LTXCT
123	CY7C68013A-56LTXI
124	CY7C68013A-56LTXIT
125	CY7C68013A-56PVXC
126	CY7C68013A-56PVXCT
127	CY7C68013A-56PVXI
128	CY7C68014A-100AXC
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135	CY7C68023-56LTXC
136	CY7C68023-56LTXCT
137	CY7C68033-56LTXC
138	CY7C68034-56LTXI
139	CY7C68053-56BAXI
140	CY7C68053-56BAXIT

141	CY7C68300C-56LTXC
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143	CY7C68300C-56PVXCT
144	CY7C68320C-100AXC
145	CY7C69356-48LTXC
146	CY7C924ADX-AXC
147	CY7C9689A-AXC
148	CY7C9689A-AXI
149	CYAC1126-24LQXI
150	CYAC1126-24LQXIT
151	CYAC1126-40LQXI
152	CYAC1126-40LQXIT
153	CYP15G0101DXB-BBXC
154	CYP15G0101DXB-BBXI
155	CYP15G0201DXB-BBXC
156	CYP15G0201DXB-BBXI
157	CYP15G0401DXB-BGXC
158	CYP15G0401DXB-BGXI
159	CYP15G0403DXB-BGXC
160	CYPAP111A3-10SXQ
161	CYPAP111A3-10SXQT
162	CYPAP112A3-10SXQ
163	CYPAP112A3-10SXQT
164	CYPAS111A1-24LQXQ
165	CYPAS111A1-24LQXQT
166	CYPD2103-14LHXI
167	CYPD2103-14LHXIT
168	CYPD2103-20FNXIT
169	CYPD2104-20FNXIT
170	CYPD2105-20FNXIT
171	CYPD2119-24LQXI
172	CYPD2119-24LQXIT
173	CYPD2120-24LQXI
174	CYPD2120-24LQXIT
175	CYPD2122-20FNXIT
176	CYPD2122-24LQXI
177	CYPD2122-24LQXIT
178	CYPD2134-24LQXI
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181	CYPD2134A-24LQXQT
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183	CYPD2703-09FNXIT
184	CYPD2704-09FNXIT
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203	CYPD3135-40LQXQ
204	CYPD3135-40LQXQT
205	CYPD3171-24LQXQ
206	CYPD3171-24LQXQT
207	CYPD3174-16SXQ
208	CYPD3174-16SXQT
209	CYPD3174-24LQXQ
210	CYPD3174-24LQXQT
211	CYPD3175-24LQXQ
212	CYPD3175-24LQXQT
213	CYPD3177-24LQXQ
214	CYPD3177-24LQXQT
215	CYPD3184A1-24LQXQ
216	CYPD3184A1-24LQXQT
217	CYPD3195-24LDXS
218	CYPD3196-24LDXS
219	CYPD3197-24LDXS
220	CYPD4125-40LQXI
221	CYPD4125-40LQXIT
222	CYPD4126-24LQXI
223	CYPD4126-24LQXIT
224	CYPD4126-40LQXI
225	CYPD4126-40LQXIT
226	CYPD4136-24LQXI
227	CYPD4136-24LQXIT
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229	CYPD4136-24LQXQT
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236	CYPD4236-40LQXI
237	CYPD4236-40LQXIT
238	CYPD4255-96BZXI
239	CYPD4255-96BZXIT
240	CYPD5125-40LQXI
241	CYPD5125-40LQXIT
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262	CYPDC1186B2-30FNXIT
263	CYUSB2014-BZXC
264	CYUSB2014-BZXCT
265	CYUSB2014-BZXI
266	CYUSB2014-BZXIT
267	CYUSB2024-BZXI
268	CYUSB2025-BZXI
269	CYUSB2302-68LTXI
270	CYUSB2302-68LTXIT
271	CYUSB2302-BVXA
272	CYUSB2302-BVXAT
273	CYUSB2304-68LTXI
274	CYUSB2304-68LTXIT
275	CYUSB2304-BVXA
276	CYUSB2304-BVXAT
277	CYUSB3011-BZXC
278	CYUSB3012-BZXC
279	CYUSB3013-BZXC
280	CYUSB3014-BZXC
281	CYUSB3014-BZXCT



282	CYUSB3014-BZXI
283	CYUSB3014-BZXIT
284	CYUSB3025-BZXI
285	CYUSB3031-BZXC
286	CYUSB3033-BZXC
287	CYUSB3035-BZXC
288	CYUSB3035-BZXI
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296	CYUSB3302-68LTXIT
297	CYUSB3302-BVXA
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299	CYUSB3302-BVXC
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302	CYUSB3304-68LTXCT
303	CYUSB3304-68LTXI
304	CYUSB3304-68LTXIT
305	CYUSB3304-BVXA
306	CYUSB3304-BVXAT
307	CYUSB3304-BVXC
308	CYUSB3304-BVXI
309	CYUSB3312-88LTXC
310	CYUSB3312-88LTXCT
311	CYUSB3312-88LTXI
312	CYUSB3312-88LTXIT
313	CYUSB3312-BVXC
314	CYUSB3312-BVXI
315	CYUSB3314-88LTXC
316	CYUSB3314-88LTXCT
317	CYUSB3314-88LTXI
318	CYUSB3314-88LTXIT
319	CYUSB3314-BVXC
320	CYUSB3314-BVXI
321	CYUSB3324-88LTXC
322	CYUSB3324-88LTXCT
323	CYUSB3324-88LTXI
324	CYUSB3324-88LTXIT
325	CYUSB3324-BVXA
326	CYUSB3324-BVXAT
327	CYUSB3326-88LTXC
328	CYUSB3326-88LTXCT

329	CYUSB3326-88LTXI
330	CYUSB3326-88LTXIT
331	CYUSB3326-BVXA
332	CYUSB3326-BVXAT
333	CYUSB3326-BVXC
334	CYUSB3326-BVXI
335	CYUSB3328-88LTXC
336	CYUSB3328-88LTXCT
337	CYUSB3328-88LTXI
338	CYUSB3328-88LTXIT
339	CYUSB3328-BVXC
340	CYUSB3333-BZXI
341	CYUSB3343-BZXI
342	CYV15G0101DXB-BBXC
343	CYV15G0104TRB-BGXC
344	CYV15G0203TB-BGXC
345	CYV15G0204TRB-BGXC
346	CYV15G0401DXB-BGXC
347	CG7243AMT
348	CG7591AS
349	CG7594AS
350	CG7595AS
351	CG7606AA
352	CG7606AAT
353	CG7624AM
354	CG7624AMT
355	CG7648AM
356	CG7648AMT
357	CG7680AA
358	CG7680AAT
359	CG7753AA
360	CG7786AA
361	CG7786AAT
362	CG7850AA
363	CG7850AAT
364	CG7867AA
365	CG7973AA
366	CG7973AAT
367	CG8352AF
368	CG8352AFT
369	CG8378AA
370	CG8378AAT
371	CG8454AM
372	CG8454AMT
373	CG8474AA
374	CG8751AF
375	CG8751AFT

376	CG8764AFT
377	CG8765AF
378	CG8765AFT
379	CG8851AF
380	CG8851AFT
381	CG8863AF
382	CG8863AFT
383	CG8871AF
384	CG8871AFT
385	CG8889ATT
386	CG9022AM
387	CG9022AMT
388	CG9152AF
389	CG9152AFT
390	CP5788EM
391	CP5789EM
392	CP5789EMT
393	CP5790DM
394	CP5790DMT
395	CP6604BMT
396	CP7896AT
397	CP7896ATT
398	CP7908AT
399	CP7908ATT
400	CP7909AT
401	CP7909ATT
402	CP7924AT
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408	CP7936AT
409	CP7936ATT
410	CP7949AT
411	CP7949ATT
412	CP7950AT
413	CP7950ATT
414	CP7960AT
415	CP7960ATT
416	CP8089CT
417	CP8089CTT
418	CP8151AT
419	CP8151ATT
420	CP8380AT
421	CP8380ATT
422	CP8479GTT

423	CP8483DT
424	CP8483DTT
425	CP8627BT
426	CP8627BTT
427	CP8628CT
428	CP8628CTT
429	CP8642AT
430	CP8642ATT
431	CP8658AT
432	CP8658ATT
433	CP8666AT
434	CP8666ATT
435	CP8666BT
436	CP8666BTT
437	CP8688AT
438	CP8688ATT
439	CP8688BT
440	CP8688BTT
441	CP8691AT
442	CP8691ATT
443	CP8694ATT
444	CP8708BT
445	CP8708CT
446	CP8787AT
447	CP8787ATT
448	CP8788AT
449	CP8788ATT
450	CP8814AT
451	CP8814ATT
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455	CP8849ATT
456	CP8857ATT
457	CP8857BTT
458	CP8857CTT
459	CP8864AT
460	CP8864ATT
461	CP8900AT
462	CP8900ATT
463	CP8900BT
464	CP8900BTT
465	CP8923AT
466	CP8923ATT
467	CP8924AT
468	CP8924ATT
469	CP8930ATT

470	CP8935AT
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474	CP8939AT
475	CP8939ATT
476	CP8940AT
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512	CP9184AT
513	CP9184ATT
514	CS6632AF
515	CS7275AA
516	CS7275AAT

517	CS8481AA
518	CS8481AAT
519	CS8482AA
520	CS8482AAT
521	CS8736AM
522	CS8736AMT