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ADVANCE PRODUCT CHANGE NOTIFICATION

APCN: PCN161704

Date: May 02, 2016

Subject: Planned Qualification of New J-Devices Manufacturing Sites for MCU Products

To:

Change Type: Major

Description of Change:

Cypress announces its plans to qualify select MCU products at the J-Devices Hakodate and Fukuoka factories. This change is driven by the J-Devices announcement to relocate the Miyagi and Aizu production lines to other J-Devices facilities.

Ball Grid Array (BGA)-packaged products that are currently assembled at the Miyagi factory and tested at the Aizu factory will be assembled and tested at the Hakodate factory. Lead frame (LF)-packaged products, including LQFPs, QFPs and SOPs, that are currently assembled at the Miyagi factory and tested at the Aizu factory will be assembled and tested at the Fukuoka factory. In concert with these production relocations, we anticipate that some of the products may also undergo a change in the Bill of Materials (BOM). Qualifications are planned to occur throughout 2016 with implementation taking place in 2017. Once the qualifications have been completed they will be announced through regular PCNs.

The J-Devices Hakodate factory and the J-Devices Fukuoka factory have both been awarded these international certifications:

- ISO9001 for quality systems,
- ISO14001 for environmental protection,
- ISO/TS16949 for automobile industry management system

This is an advance notification and no immediate action is needed. Refer to the table below for the preliminary schedule of the activities including PCN issue dates and shipment start dates. Reliability reports and evaluation samples will be available by the PCN issue date. Note that the dates are subject to change. The preliminary timeline can be seen in the attached file.

Qualification	Current Site	New Site	Qual / PCN / Samples	First Shipments
BGA Assembly	J-Devices Miyagi	J-Devices Hakodate	Q4 2016	Q2 2017
BGA Test	J-Devices Aizu	J-Devices Hakodate	Q4 2016	Q2 2017
LF Assembly	J-Devices Miyagi	J-Devices Fukuoka	Q4 2016	Q2 2017
LF Test	J-Devices Aizu	J-Devices Fukuoka	Q4 2016	Q2 2017

Benefit of Change:

Qualification of these new sites will serve as a preventive action that will enable Cypress to continue to meet its delivery commitments by having a continued supply from alternate qualified sources.

Approximate Implementation Date:

Production at the J-Devices Hakodate and Fukuoka sites is expected to commence in early 2017.

Anticipated Impact:

No impact is expected in datasheet parameters, package composition or package pin-out.

Method of Identification:

Cypress maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Package	Pin Count
1	MB3771PF-GT-BND-ERE1	SOP	8
2	MB3773PF-GT-BND-ERE1	SOP	8
3	MB3773PS-G-TL	SIP	8
4	MB3793-42PF-GT-BND-ER-E1	SOP	8
5	MB3793-45PF-GT-BND-ER6E1	SOP	8
6	MB44A126LGL-G-EFE1	FBGA	80
7	MB570PF-G-BND-ERE1	SOP	16
8	MB571PF-G-BND-ERE1	SOP	16
9	MB86311BPMC-GE1	LQFP	144
10	MB86619CPFF-G-BNDE1	LQFP	176
11	MB86831PFV-GE1	QFP	176
12	MB86832-80PFV-GE1	QFP	176
13	MB86834-120PFV-G-BNDE1	QFP	176
14	MB87M8412BGL-GE1	FBGA	100
15	MB89123APFM-G-600-BNDE1	QFP	48
16	MB89133APFM-G-227E1	QFP	48
17	MB89133APFM-G-293E1	QFP	48
18	MB89133APFM-G-326E1	QFP	48
19	MB89133APFM-G-471-TLE1	QFP	48
20	MB89133APFM-G-499-BNDE1	QFP	48
21	MB89133APFM-G-690E1	QFP	48
22	MB89133APFM-G-691TLE1	QFP	48
23	MB89135LPFM-G-500-BNDE1	QFP	48
24	MB89135LPFM-G-638-TLE1	QFP	48
25	MB89135LPFM-G-649-BNDE1	QFP	48
26	MB89135LPFM-G-652E1	QFP	48
27	MB89135LPFM-G-685-BNDE1	QFP	48
28	MB89135LPFM-G-XXX-BNDE1	QFP	48
29	MB89535AP-G-1032-SHE1	SDIP	64
30	MB89535AP-G-1123-SHE1	SDIP	64
31	MB89535AP-G-521-SHE1	SDIP	64
32	MB89623P-GT-125-SHE1	SDIP	64
33	MB89863PFM-G-130-BNDE1	QFP	48
34	MB89863PFM-G-139-BNDE1	QFP	48
35	MB89863PFM-G-153-BNDE1	QFP	48
36	MB89943PF-G-107-BNDE1	QFP	48
37	MB89943PF-G-118-BNDE1	QFP	48
38	MB89943PF-G-123E1	QFP	48
39	MB89943PF-G-126E1	QFP	48
40	MB89945PF-G-121-BNDE1	QFP	48
41	MB89945PF-G-124E1	QFP	48
42	MB89945PF-G-125E1	QFP	48
43	MB89P131-101PFM-G	QFP	48
44	MB89P538-101P-G-SHE1	SDIP	64
45	MB89P637P-G-SH-TLE1	SDIP	64
46	MB89P857P-G-SHE1	SDIP	64
47	MB90050PF-G-001-MSBNDE1	QFP	48
48	MB90223PF-GT-139-BNDE1	QFP	120
49	MB90223PF-GT-144-BNDE1	QFP	120
50	MB90223PF-GT-207-BNDE1	QFP	120
51	MB90223PF-GT-237-BNDE1	QFP	120
52	MB90223PF-GT-248-BNDE1	QFP	120
53	MB90223PF-GT-269-BNDE1	QFP	120
54	MB90223PF-GT-281-BNDE1	QFP	120
55	MB90223PF-GT-296-BNDE1	QFP	120
56	MB90223PF-GT-297-BNDE1	QFP	120
57	MB90223PF-GT-300-BNDE1	QFP	120
58	MB90223PF-GT-301-BNDE1	QFP	120

59	MB90223PF-GT-309-BNDE1	QFP	120
60	MB90223PF-GT-313-BNDE1	QFP	120
61	MB90223PF-GT-314-BNDE1	QFP	120
62	MB90223PF-GT-331-BNDE1	QFP	120
63	MB90223PF-GT-339-BND	QFP	120
64	MB90223PF-GT-373E1	QFP	120
65	MB90223PF-GT-374E1	QFP	120
66	MB90223PF-GT-375E1	QFP	120
67	MB90224PF-GT-252-BNDE1	QFP	120
68	MB90224PF-GT-255-BNDE1	QFP	120
69	MB90224PF-GT-265-BND	QFP	120
70	MB90224PF-GT-277-BNDE1	QFP	120
71	MB90224PF-GT-282-BNDE1	QFP	120
72	MB90224PF-GT-283-BNDE1	QFP	120
73	MB90224PF-GT-291-BNDE1	QFP	120
74	MB90224PF-GT-292-BNDE1	QFP	120
75	MB90224PF-GT-304-BNDE1	QFP	120
76	MB90224PF-GT-305-BNDE1	QFP	120
77	MB90224PF-GT-306-BNDE1	QFP	120
78	MB90224PF-GT-307-BNDE1	QFP	120
79	MB90224PF-GT-310-BNDE1	QFP	120
80	MB90224PF-GT-319-BNDE1	QFP	120
81	MB90224PF-GT-323-BNDE1	QFP	120
82	MB90224PF-GT-324-BND	QFP	120
83	MB90224PF-GT-325-BND	QFP	120
84	MB90224PF-GT-343-BNDE1	QFP	120
85	MB90224PF-GT-345-BNDE1	QFP	120
86	MB90224PF-GT-363-BNDE1	QFP	120
87	MB90224PF-GT-364-BNDE1	QFP	120
88	MB90574CPFV-G-449E1	QFP	120
89	MB90574CPFV-G-453E1	QFP	120
90	MB90574CPFV-G-456E1	QFP	120
91	MB90574CPFV-G-462E1	QFP	120
92	MB90F462AP-G-SHE1	SDIP	64
93	MB90F462P-G-SHE1	SDIP	64
94	MB90F523BPFV-GE1	QFP	120
95	MB90F574APFV-GE1	QFP	120
96	MB90P224BPF-GT-5150E1	QFP	120
97	MB90P224BPF-GT-5178E1	QFP	120
98	MB90P224BPF-GT-5233E1	QFP	120
99	MB90P224BPF-GT-5241E1	QFP	120
100	MB90P224BPF-GT-5251E1	QFP	120
101	MB90P224BPF-GT-5258E1	QFP	120
102	MB90P224BPF-GT-5259E1	QFP	120
103	MB90P224BPF-GT-5261E1	QFP	120
104	MB90P224BPF-GT-5266E1	QFP	120
105	MB90P224BPF-GT-5271E1	QFP	120
106	MB90P224BPF-GT-5273E1	QFP	120
107	MB90P224BPF-GT-5283E1	QFP	120
108	MB90P224BPF-GT-5296E1	QFP	120
109	MB90P224BPF-GT-5298E1	QFP	120
110	MB90P263PF-G-5005E1	QFP	120
111	MB91016PFV-GS-134E1	LQFP	144
112	MB91016PFV-GS-136E1	LQFP	144
113	MB91016PFV-GS-137E1	LQFP	144
114	MB91016PFV-GS-138E1	LQFP	144
115	MB91016PFV-GS-XXE1	LQFP	144
116	MB91018BGL-GS-103E1	FBGA	121
117	MB91018BGL-GS-104E1	FBGA	121

118	MB91018BGL-GS-105E1	FBGA	121
119	MB91018BGL-GS-107E1	FBGA	121
120	MB91018BGL-GS-108E1	FBGA	121
121	MB91018BGL-GS-109E1	FBGA	121
122	MB91110PMC-GE1	LQFP	144
123	MB91133PMC-G-124E1	LQFP	144
124	MB91195ABGL-G-223-ERE1	FBGA	232
125	MB91195ABGL-G-246-ERE1	FBGA	232
126	MB91195ABGL-G-252-ERE1	FBGA	232
127	MB91195ABGL-G-258-ERE1	FBGA	232
128	MB91195ABGL-G-263-ERE1	FBGA	232
129	MB91195ABGL-G-271-ERE1	FBGA	232
130	MB91195ABGL-G-282-ERE1	FBGA	232
131	MB91195ABGL-G-283-ERE1	FBGA	232
132	MB91195APFF-G-202E1	LQFP	216
133	MB91213APMC-GS-130E1	LQFP	144
134	MB91213APMC-GS-151E1	LQFP	144
135	MB91213APMC-GS-161E1	LQFP	144
136	MB91213APMC-GS-171E1	LQFP	144
137	MB91213APMC-GS-175E1	LQFP	144
138	MB91213APMC-GS-176E1	LQFP	144
139	MB91213APMC-GS-178E1	LQFP	144
140	MB91213APMC-GS-179E1	LQFP	144
141	MB91213APMC-GS-180E1	LQFP	144
142	MB91213APMC-GS-182E1	LQFP	144
143	MB91213APMC-GS-183E1	LQFP	144
144	MB91213APMC-GS-184E1	LQFP	144
145	MB91213APMC-GS-186E1	LQFP	144
146	MB91213APMC-GS-187E1	LQFP	144
147	MB91213APMC-GS-189E1	LQFP	144
148	MB91213APMC-GS-190E1	LQFP	144
149	MB91213APMC-GS-191E1	LQFP	144
150	MB91213APMC-GS-192E1	LQFP	144
151	MB91213APMC-GS-193E1	LQFP	144
152	MB91213APMC-GS-194E1	LQFP	144
153	MB91213APMC-GS-195E1	LQFP	144
154	MB91213APMC-GS-196E1	LQFP	144
155	MB91213APMC-GS-197E1	LQFP	144
156	MB91213APMC-GS-198E1	LQFP	144
157	MB91213APMC-GS-199E1	LQFP	144
158	MB91213APMC-GS-200E1	LQFP	144
159	MB91213APMC-GS-204E1	LQFP	144
160	MB91213APMC-GS-205E1	LQFP	144
161	MB91213APMC-GS-208E1	LQFP	144
162	MB91213APMC-GS-209E1	LQFP	144
163	MB91213APMC-GS-210E1	LQFP	144
164	MB91213APMC-GS-211E1	LQFP	144
165	MB91213APMC-GS-212E1	LQFP	144
166	MB91213APMC-GS-213E1	LQFP	144
167	MB91213APMC-GS-214E1	LQFP	144
168	MB91213APMC-GS-XXXE1	LQFP	144
169	MB91243PFV-GS-159E1	LQFP	144
170	MB91243PFV-GS-160E1	LQFP	144
171	MB91243PFV-GS-161E1	LQFP	144
172	MB91247SPFV-GS-509E1	LQFP	144
173	MB91247SPFV-GS-537E1	LQFP	144
174	MB91248PFV-GS-152E1	LQFP	144
175	MB91248PFV-GS-XXXE1	LQFP	144
176	MB91248SZPFV-GS-175E1	LQFP	144

177	MB91248SZPFV-GS-176E1	LQFP	144
178	MB91248SZPFV-GS-190E1	LQFP	144
179	MB91248SZPFV-GS-191E1	LQFP	144
180	MB91248SZPFV-GS-192E1	LQFP	144
181	MB91248SZPFV-GS-193E1	LQFP	144
182	MB91248SZPFV-GS-541E1	LQFP	144
183	MB91248SZPFV-GS-547E1	LQFP	144
184	MB91248SZPFV-GS-548E1	LQFP	144
185	MB91248SZPFV-GS-549E1	LQFP	144
186	MB91248SZPFV-GS-551E1	LQFP	144
187	MB91248SZPFV-GS-XXXE1	LQFP	144
188	MB91248ZPFV-GS-148E1	LQFP	144
189	MB91248ZPFV-GS-183E1	LQFP	144
190	MB91248ZPFV-GS-187E1	LQFP	144
191	MB91248ZPFV-GS-188E1	LQFP	144
192	MB91248ZPFV-GS-194E1	LQFP	144
193	MB91248ZPFV-GS-543E1	LQFP	144
194	MB91248ZPFV-GS-546E1	LQFP	144
195	MB91248ZPFV-GS-XXXE1	LQFP	144
196	MB91305PMC-G-BNDE1	LQFP	176
197	MB91605APMC-GE1	LQFP	176
198	MB91F013PFV-GS-BNDE1	LQFP	144
199	MB91F016APFV-GSE1	LQFP	144
200	MB91F037PMC-GSE1	LQFP	144
201	MB91F038BPMC-GSE1	LQFP	144
202	MB91F045APMC-G-102SPE1	LQFP	176
203	MB91F047PMC-GSE1	LQFP	144
204	MB91F054PMC-GSE1	LQFP	144
205	MB91F058BSPMC-GSE1	LQFP	208
206	MB91F060BSPMC-GSE1	LQFP	208
207	MB91F063BSPMC-GSE1	LQFP	208
208	MB91F133APMC-GE1	LQFP	144
209	MB91F213APMC-GSE1	LQFP	144
210	MB91F218SPMC-GTE1	LQFP	144
211	MB91F223PFV-GS-SPE1	LQFP	144
212	MB91F223SPFV-GS-SPE1	LQFP	144
213	MB91F224SPFV-GS-SPE1	LQFP	144
214	MB91F248SPFV-GSE1	LQFP	144
215	MB91F248SPFV-GS-TLE1	LQFP	144
216	MB91F248SZPFV-GS-N2E1	LQFP	144
217	MB91F345BPFT-GE1	QFP	100
218	MB91F355APMC-G-002E1	LQFP	176
219	MB91F362GAPFVS-GE1	HQFP	208
220	MB91F362GAPVSR-GE1	HQFP	208
221	MB91F362GAPVSR-G-N2E1	HQFP	208
222	MB91F362GBPVS-GE1	HQFP	208
223	MB91F362GBPVS-G-N2E1	HQFP	208
224	MB91F362GBPVSR-G	HQFP	208
225	MB91F362GBPVSR-GE1	HQFP	208
226	MB91F362GBPVSR-GE2	HQFP	208
227	MB91F362GBPVSR-G-N2E1	HQFP	208
228	MB91F369GAPQS1-G-N1E1	HQFP	160
229	MB91F369GAPQS1-G-N1-N2E1	HQFP	160
230	MB91F369GAPS1R-GE1	HQFP	160
231	MB91F465BBPMC-GSE2	LQFP	144
232	MB91F465CAPMC-GSE2	LQFP	144
233	MB91F465PAPMC-GSE2	LQFP	176
234	MB91F466HAPMC-GSE2	LQFP	144
235	MB91F466HAPMC-GS-N2E2	LQFP	144

236	MB91F467BAPMC-GSE2	LQFP	144
237	MB91F467BAPMC-GS-N2E2	LQFP	144
238	MB91F467CBPMCR-GSE2	LQFP	144
239	MB91F467DAPFVS-GSE2	HQFP	208
240	MB91F467DAPFVS-GS-N2E2	HQFP	208
241	MB91F467DAPVSR-GSE2	HQFP	208
242	MB91F467DAPVSR-GS-N2E2	HQFP	208
243	MB91F467DBPFVS-GSE2	HQFP	208
244	MB91F467DBPVSR-GSE2	HQFP	208
245	MB91F467EAPMC-GSE2	LQFP	208
246	MB91F467MAPMC-GSE1	LQFP	216
247	MB91F467RAPMC-GE1	LQFP	176
248	MB91F467RDPMC-GSE2	LQFP	176
249	MB91F467RDPMC-GS-N2E2	LQFP	176
250	MB91F467SAPMC-GSE2	LQFP	176
251	MB91F467SAPMC-GS-N2E2	LQFP	176
252	MB91F467TAPMC-GSE2	LQFP	144
253	MB91F469GBP-GS	PBGA	320
254	MB91F469GBP-GS-N2E1	PBGA	320
255	MB91F469QAHPB-GSE1	PBGA	320
256	MB91F522KSCPMC-GSE2	LQFP	144
257	MB91F524KWCPMC-GSE2	LQFP	144
258	MB91F526KSCPMC-GSE1	LQFP	144
259	MB91F526KSCPMC-GSE2	LQFP	144
260	MB91F526KSDPMC-GSE2	LQFP	144
261	MB91F526KWBPMC-GSE1	LQFP	144
262	MB91F526LKBPMC-GSE2	LQFP	176
263	MB91F526LKCPMC-GSE2	LQFP	176
264	MB91F526LSBPMC-GSE2	LQFP	176
265	MB91F526LWCPMC-GSE2	LQFP	176
266	MB91F527MKCPMC-GTE1	LQFP	208
267	MB91F528USCPMC-GSE2	LQFP	176
268	MB91F528UWCEQ-GSE2	LQFP	176
269	MB91F534BPMC-GSAE2	LQFP	208
270	MB91F53BCEQ-GSAE2	LQFP	208
271	MB91F575BHSPMC-GSE1	LQFP	144
272	MB91F575BPMC-GSE2	LQFP	144
273	MB91F577BHPMC-GS-F4E1	LQFP	144
274	MB91F577BHSPMC-GSE1	LQFP	144
275	MB91F577BPMC-GSE2	LQFP	144
276	MB91F579CHSPMC-GSE1	LQFP	144
277	MB91F579CMPMC-GSE2	LQFP	208
278	MB91F587LAPMC-GTE1	LQFP	144
279	MB91F592ASPMC-GSE1	LQFP	208
280	MB91F592BHSPMC-GSE1	LQFP	208
281	MB91F592BSPMC-GSE1	LQFP	208
282	MB91F594BHSPMC-GSE1	LQFP	208
283	MB91F594BSPMC-GSE1	LQFP	208
284	MB91F59BCPB-GSE1	PBGA	320
285	MB91F637APMC-GE1	LQFP	144
286	MB91F639PMC-G-YE1	LQFP	144
287	MB91F725RDPMC-GSE1	LQFP	144
288	MB95006PFF-G-103E1	LQFP	176
289	MB95108AHPFV-G-115E1	LQFP	64
290	MB96375RSAPMC-GS-102E2	LQFP	144
291	MB96375RSAPMC-GS-103E2	LQFP	144
292	MB96F336USAPMC-GSE2	LQFP	144
293	MB96F338RSAPMC-GSE2	LQFP	144
294	MB96F338RSAPMCR-GE2	LQFP	144

295	MB96F338USAPMC-GSE2	LQFP	144
296	MB96F338USAPMC-GS-N2E2	LQFP	144
297	MB96F378HSBPMC-GSE2	LQFP	144
298	MB9AF004BGL-G-103-K1ERE1	FBGA	121
299	MB9AF004BGL-G-105-K1ERE1	FBGA	121
300	MB9AF004BGL-G-K1ERE1	FBGA	121
301	MB9BF106NABGL-GE1	FBGA	112
302	MB9BF116SPMC-GE1	LQFP	144
303	MB9BF116TBGL-G-K1E1	FBGA	192
304	MB9BF118SPMC-GE1	LQFP	144
305	MB9BF118TPMC-GE1	LQFP	176
306	MB9BF128SAPMC-GE2	LQFP	144
307	MB9BF128SPMC-GE1	LQFP	144
308	MB9BF128TAPMC-GE2	LQFP	176
309	MB9BF129SAPMC-GE2	LQFP	144
310	MB9BF129SPMC-GE1	LQFP	144
311	MB9BF129TPMC-GE1	LQFP	176
312	MB9BF218SPMC-GE1	LQFP	144
313	MB9BF218THBGL-GE1	FBGA	192
314	MB9BF218TPMC-G-101E1	LQFP	176
315	MB9BF218TPMC-GE1	LQFP	176
316	MB9BF316SPMC-GE1	LQFP	144
317	MB9BF318SPMC-GE1	LQFP	144
318	MB9BF318TBGL-GE1	FBGA	192
319	MB9BF318TPMC-GE1	LQFP	176
320	MB9BF328SPMC-GE1	LQFP	144
321	MB9BF429SPMC-GE1	LQFP	144
322	MB9BF506NBBGL-GE1	FBGA	112
323	MB9BF518SPMC-GE1	LQFP	144
324	MB9BF618TPMC-GE1	LQFP	176
325	MB9DF125EPMC-GSE2	LQFP	176
326	MB9DF125PMC-GSE2	LQFP	176
327	MB9DF126BPMC-GSE2	LQFP	176
328	MB9DF126CPMC-GSE2	LQFP	176
329	MB9DF566MAEEQ-GTE1	LQFP	208
330	MB9EF226PMC-GSE2	LQFP	176
331	MB9G711ABPMC-GSE1	LQFP	144
332	MB9G711DAPMC-GSE1	LQFP	144
333	MBG116PBS-GS-103-9005E1	FBGA	177
334	MBG116PBS-GS-103-9006E1	FBGA	177
335	S6E0003H0AGV20000	LQFP	144
336	S6E2001G0AGB1B010	FBGA	144
337	S6E2001G0AGB1B01B	FBGA	144
338	S6E2004F0AGB10000	BGA	121
339	S6E2C28JHAGV20000	LQFP	176
340	S6E2C29J0AGV20000	LQFP	176
341	S6E2C38H0AGV20000	LQFP	144
342	S6E2C38J0AGV20000	LQFP	176
343	S6E2C4AJ0AGB10000	FBGA	192
344	S6E2CC8H0AGV20000	LQFP	144
345	S6E2CCA0AGV20000	LQFP	144
346	S6E2CCAJFAGB10000	FBGA	192
347	S6E2DF5J0AGV20000	LQFP	176
348	S6E2DH5J0AGV20000	LQFP	176
349	S6E2H16G0AGB30000	FBGA	121
350	S6J3001LSESE10000	LQFP	216
351	S6J324CKSFSE20000	LQFP	208
352	S6E2001F0AGB1B02B	FBGA	121