



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

ADVANCE PRODUCT CHANGE NOTIFICATION

APCN: APCN194303

Date: October 25, 2019

Subject: Planned Qualification of the Following Sites for Select Analog and MCU Products

- a. J-Devices Usuki for 300mm DPS Process
- b. J-Devices Kumamoto for BGA Assembly and Test Site

Description of Change:

Cypress is planning to migrate all the products currently running at J-Devices Kitsuki to alternate J-Devices factories at Usuki ((1913-2, Takegashita, Fukura, Usuki-shi, Oita 875-0053, Japan) and Kumamoto (272-10, Takaono, Ozu-machi, Kikuchi-gun, Kumamoto 869-1232, Japan). This change is driven by the J-Devices' notification to cease manufacturing operations at their Kitsuki factory (2820-2, Minami-Kitsuki, Kitsuki-shi, Oita 873-0002, Japan) by March 2021. This is an advance notification and no immediate action is needed.

Refer to the table below for complete schedule of the activity, PCN issue and ship start dates.

Category	Product type	MPN Change	Estimated Cypress Qualification Date	Estimated PCN/PIN Publication Date	Estimated Implementation Date
DPS Usuki	Auto	NO	Q1 2020	Q1 2020	Q4 2020
	Non-Auto	NO	Q1 2020	Q1 2020	Q2 2020
BGA Kumamoto	Non-Auto	YES	Q1 2020	Q1 2020	Q3 2020
TEST Kumamoto	Auto	NO	Q4 2019	Q1 2020	Q4 2020
	Non-Auto	NO	Q4 2019	Q1 2020	Q3 2020

J-Devices Usuki and Kumamoto are certified by international quality standards, ISO 9001 and IATF19649. J-Devices certificates can be viewed on their corporate web site below:

<https://amkor.com/quality-management/>.

Benefit of Change:

Cypress will have the added capability to meet varying market demand, and to ensure consistent and reliable delivery performance to customers.

Part Numbers Affected: 713

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Affected parts are categorized to three groups:

DPS Usuki: Site change of DPS process.

BGA Kumamoto: Site change of BGA packaging Assembly and Test process

TEST Kumamoto: Site change of Test process only.

Category of JD Kitsuki closure				
Process	Detail process	DPS Usuki	BGA Kumamoto	TEST Kumamoto
Assembly	Back Grinding	X	X	No change (assembly at other facilities)
	Dicing	X	X	
	Die Attach	No change (Usuki/Fukuoka)	X	
	Wire Bonding		X	
	Molding		X	
	Plating		X	
	Trim/Form		X	
	Marking		X	
TEST	TEST			X
	B/I			X

Qualification Status:

Estimated completion dates for internal qualification of Cypress part numbers and sample availability dates are provided in this notification.

Approximate Implementation Date:

Estimated implementation dates are provided in this notification.

Anticipated Impact:

No impact is expected in datasheet parameters, package composition and 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

1 05523-685/0001
2 05523-712/0002
3 05523-738/0003
4 05523-770/0001
5 05523-937/0000
6 079108412-9RCP
7 192466BO01A
8 51-36399Z01-A
9 51-36806Z01-A
10 520966502417
11 520966502556
12 520966503097
13 520966503297
14 520966503397
15 7GA830178
16 7GA830179
17 7GA830318
18 7GA830322
19 7GA830323
20 7GA830335
21 841000037001
22 8611200172
23 8611200312
24 8611200313
25 8611200993
26 8928914848
27 8928920000
28 8928920291
29 A2C00568200
30 A2C00568300
31 A2C00568400
32 A2C0056850000
33 A2C00568600
34 A2C00649800
35 A2C01068900
36 A2C01136700
37 A2C01835300
38 A2C01835400
39 A2C01961701
40 A2C01976701
41 A2C01976900
42 A2C01977100
43 A2C02244000
44 A2C02244100
45 A2C02244200
46 A2C02303300
47 A2C02322500
48 A2C02322900
49 A2C02332900

50 A2C02340500
51 A2C02361700
52 A2C02361800
53 A2C02393800
54 A2C02407500
55 A2C02473000
56 A2C02688200
57 A2C02688300
58 A2C02688400
59 A2C02768800
60 A2C02840000
61 A2C02999900
62 A2C03240700
63 A2C03487200
64 C2DBYY001813
65 CKMIC-284WG5RA0A
66 CY39C326PW-G-EFE1
67 CY39C326PW-G-ERE1
68 CY39C326PW-G-K1-EFE1
69 CY39C338APW-G-EFE1
70 CY44C027PW-G-ERE1
71 CY44C031PW-G-ER2E1
72 CY44C034WQN-G-AVE2
73 CY44C035PW-G-EFE1
74 CY44C036PW-GE1
75 CY44C036PW-G-EF2E1
76 CY8AA4063WQN-GS-JKERE1
77 CY8AA4521WQN-GS-JKERE1
78 CY91F057PMC-GSE1
79 CY91F058BSPMC-GSE1
80 CY91F058BSPMC-GSE2
81 CY91F060ASPMC-GSE1
82 CY91F060BSPMC-GSE1
83 CY91F060BSPMC-GSE2
84 CY91F061BSPMC1-GSE1
85 CY91F062BSPMC1-GSE1
86 CY91F063BSPMC-GSE1
87 CY91F063BSPMC-GSE2
88 CY91F067CSPMC1-GSE1
89 CY91F069BSCPMC1-GSE1
90 CY91F071FHEPMC-GSE1
91 CY91F071FHEPMC-GSE2
92 CY91F074RHEPMC-GSE1
93 CY91F074RHEPMC-GS-K1E1
94 CY91F522BHBPMC1-GS-F4E1
95 CY91F522BHEPMC1-GS-F4E1
96 CY91F522BSBPMC1-GSE1
97 CY91F522BSCPMC1GS101ERE2
98 CY91F522BSCPMC1-GSE1
99 CY91F522BSEPMC1GS101ERE2
100 CY91F522BSEPMC1-GSE1

101 CY91F522DSBPMC-GTE1
102 CY91F522DSCPMC-GSE2
103 CY91F522DSCPMC-GS-ERE2
104 CY91F522DSEPMC-GSE2
105 CY91F522DSEPMC-GS-ERE2
106 CY91F522DSEPMC-GTE1
107 CY91F522FSCPMC-GSE1
108 CY91F522FSEPMC-GSE1
109 CY91F522JSCPMC-GS-K1E1
110 CY91F522JSEPMC-GSE1
111 CY91F522KSCPMC-GSE2
112 CY91F522KSEPMC-GSE2
113 CY91F522KWBPMC-GSE2
114 CY91F522KWCPMC-GSE2
115 CY91F522KWEPMC-GSE2
116 CY91F523BSCPMC1-GSE1
117 CY91F523BSDPMC1-GSE1
118 CY91F523BSEPMC1-GSE1
119 CY91F523DSEPMC-GSE2
120 CY91F523FHDPMC-GS-F4E1
121 CY91F523FHEPMC-GS-F4E1
122 CY91F523FSCPMC-GTE1
123 CY91F523FSEPMC-GTE1
124 CY91F523JSDPMC-GTE1
125 CY91F523JSEPMC-GTE1
126 CY91F524BSCPMC1-GSE1
127 CY91F524BSCPMC1-GSE2
128 CY91F524BSCPMC1-GTE1
129 CY91F524BSDPMC1-GSE1
130 CY91F524BSDPMC1-GS-ERE2
131 CY91F524BSEPMC1-GSE1
132 CY91F524BSEPMC1-GSE2
133 CY91F524BSEPMC1-GS-ERE2
134 CY91F524BSEPMC1-GTE1
135 CY91F524FHCPMC-GSE1
136 CY91F524FHEPMC-GSE1
137 CY91F524FHEPMC-GS-F4E1
138 CY91F524FSCPMC-GSE2
139 CY91F524FSCPMC-GS-ERE2
140 CY91F524FSDPMC-GS-ERE2
141 CY91F524FSEPMC-GSE2
142 CY91F524FSEPMC-GS-ERE2
143 CY91F524FWCPMC-GSE1
144 CY91F524FWEPMC-GSE1
145 CY91F524KHBPMC1-GS-F4E1
146 CY91F524KHBPMC1-GS-K1E1
147 CY91F524KHBPMC-GS-F4E1
148 CY91F524KHEPMC1-GSE1
149 CY91F524KHEPMC1-GS-F4E1
150 CY91F524KHEPMC-GS-F4E1
151 CY91F524KSCPMC1-GSE2

152 CY91F524KSDPMC1-GSE2
153 CY91F524KSEPMC1-GSE2
154 CY91F524KWCPMC-GSE2
155 CY91F524KWEPMC-GSE2
156 CY91F525BSBPMC1-GSE2
157 CY91F525BSCPMC1-GSE1
158 CY91F525BSCPMC1-GSE2
159 CY91F525BSDPMC1-GS-ERE2
160 CY91F525BSEPMC1-GSE1
161 CY91F525BSEPMC1-GSE2
162 CY91F525BSEPMC1-GS-ERE2
163 CY91F525DSCPMC-GS-ERE2
164 CY91F525DSCPMC-GTE1
165 CY91F525DSEPMC-GS-ERE2
166 CY91F525DSEPMC-GTE1
167 CY91F525FHCPMC-GSE1
168 CY91F525FHEPMC-GSE1
169 CY91F525FSCPMC-GSE2
170 CY91F525FSDPMC-GS-ERE2
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172 CY91F525FSEPMC-GS-ERE2
173 CY91F525JSBPMC-GSE2
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175 CY91F525KHBPMC1-GS-K1E1
176 CY91F525KHCPMC1-GSE1
177 CY91F525KHEPMC1-GSE1
178 CY91F525KSCPMC1-GSE2
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180 CY91F525KSEPMC1-GSE2
181 CY91F525KWCPMC1-GSE2
182 CY91F525KWEPMC1-GSE2
183 CY91F526BHBPMC1-GS-F4E1
184 CY91F526BHBPMC1-GT-K1E1
185 CY91F526BHEPMC1-GS-F4E1
186 CY91F526BHEPMC1-GTE1
187 CY91F526BSBPMC1-GSE1
188 CY91F526BSBPMC1-GTE1
189 CY91F526BSCPMC1-GSE1
190 CY91F526BSCPMC1-GSE2
191 CY91F526BSDPMC1-GSE1
192 CY91F526BSEPMC1-GSE1
193 CY91F526BSEPMC1-GSE2
194 CY91F526BSEPMC1-GTE1
195 CY91F526BWBPMC1-GSE1
196 CY91F526BWEPMC1-GSE1
197 CY91F526DSCPMC-GSE1
198 CY91F526DSCPMC-GTE1
199 CY91F526DSEPMC-GSE1
200 CY91F526DSEPMC-GTE1
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203 CY91F526FSCPMC-GSE1
204 CY91F526FSCPMC-GSE2
205 CY91F526FSDPMC-GS-ERE2
206 CY91F526FSEPMC-GSE1
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222 CY91F526KSEPMC1-GS-ERE2
223 CY91F526KSEPMC-GSE1
224 CY91F526KSEPMC-GSE2
225 CY91F526KWCPMC1-GSE1
226 CY91F526KWEPMC1-GSE1
227 CY91F526LKBPMC-GSE1
228 CY91F526LKCPMC-GSE2
229 CY91F526LKEPMC-GSE1
230 CY91F526LKEPMC-GSE2
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234 CY91F526LSEPMC-GSE2
235 CY91F526LWCPMC-GSE2
236 CY91F526LWEPMC-GSE2
237 CY91F527MKCPMC-GTE1
238 CY91F527MKEPMC-GTE1
239 CY91F527RSEPMC-GSE2
240 CY91F527USCPMC-GSE2
241 CY91F527USDPMC-GSE2
242 CY91F527USEPMC-GSE2
243 CY91F528MKCPMC-GSE2
244 CY91F528MKEPMC-GSE2
245 CY91F528MSCPMC-GSE2
246 CY91F528MSCPMC-GTE2
247 CY91F528MSEPMC-GSE2
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249 CY91F528RHEPMC-GS-F4E1
250 CY91F528RJCPMC1-GS-F4E1
251 CY91F528RJEPMC1-GS-F4E1
252 CY91F528RSCEQ-GSE1
253 CY91F528RSCEQ-GSE2

254 CY91F528RSCPMC-GSE2
255 CY91F528RSDEQ-GSE2
256 CY91F528RSDPMC-GSE2
257 CY91F528RSEEQ-GSE1
258 CY91F528RSEEQ-GSE2
259 CY91F528RSEPMC-GSE2
260 CY91F528USCPMC-GSE2
261 CY91F528USDPMC-GSE2
262 CY91F528USEPMC-GSE2
263 CY91F528UWCEQ-GSE2
264 CY91F528UWDEQ-GSE2
265 CY91F528UWEEQ-GSE2
266 CY91F534BPMC-GSAE2
267 CY91F53BCEQ-GSAE2
268 CY91F53BCSEQ-GSAE2
269 CY91F552PMC1-GTE1
270 CY91F573BPMC-GSE2
271 CY91F575BHSPMC-GSE1
272 CY91F575BPMC-GSE2
273 CY91F577BHPMC-GS-F4E1
274 CY91F577BHSPMC1-GSE1
275 CY91F577BHSPMC-GSE1
276 CY91F577BPMC-GSE2
277 CY91F579CHSPMC1-GSE1
278 CY91F579CHSPMC-GSE1
279 CY91F579CMPMC-GSE2
280 CY91F585AMGPMC-GTE1
281 CY91F585AMHPMC-GTE1
282 CY91F585ASGPMC1-GTE1
283 CY91F585ASHPMC1-GTE1
284 CY91F587LAPMC-GTE1
285 CY91F587LBPMC-GTE1
286 CY91F591BHSPMC-GSE2
287 CY91F591BSPMC-GSE2
288 CY91F592ASPMC-GSE1
289 CY91F592BHPMC-GSE1
290 CY91F592BHPMC-GSE2
291 CY91F592BHSPMC-GS-ALE1
292 CY91F592BHSPMC-GSE1
293 CY91F592BHSPMC-GSE2
294 CY91F592BSPMC-GSE1
295 CY91F592BSPMC-GSE2
296 CY91F594BHPMC-GSE1
297 CY91F594BHSPMC-GS-ALE1
298 CY91F594BHSPMC-GSE1
299 CY91F594BHSPMC-GSE2
300 CY91F594BPMC-GSE1
301 CY91F594BSPMC-GSE1
302 CY91F594BSPMC-GSE2
303 CY91F59BCEQ-GSE1
304 CY94F601APMC1-GSE1

305 CY94F601PMC1-GSE1
306 CY94F602APMC1-GSE1
307 CY94F6A2PMC1-GSE1
308 CY9AF010AQN-G-104-AVE2
309 CY9AF111KPMC-GE1
310 CY9AF111KQN-G-AVE2
311 CY9AF111LAQN-G-AVE2
312 CY9AF111LPMC1-G-MJE1
313 CY9AF111LPMC-G-MJE1
314 CY9AF111MAPMC-G-MJE1
315 CY9AF111NABGL-GE1
316 CY9AF111NPMC-G-MJE1
317 CY9AF112KQN-G-AVE2
318 CY9AF112LAQN-G-AVE2
319 CY9AF112LPMC-G-MJE1
320 CY9AF112MPMC-G-MJE1
321 CY9AF112NABGL-GE1
322 CY9AF112NBGL-GE1
323 CY9AF112NPMC-G-103MJE1
324 CY9AF112NPMC-G-104MJE1
325 CY9AF112NPMC-G-107MJE1
326 CY9AF112NPMC-G-MJE1
327 CY9AF114LAPMC1-G-MJE1
328 CY9AF114LAQN-G-AVE2
329 CY9AF114LPMC1-G-MJE1
330 CY9AF114LPMC-G-MJ1
331 CY9AF114LPMC-G-MJE1
332 CY9AF114MAPMC-G-MJE1
333 CY9AF114NABGL-GE1
334 CY9AF114NAPMC-G-F4MJE1
335 CY9AF114NAPMC-G-MJE1
336 CY9AF114NBGL-GE1
337 CY9AF114NPMC-G-MJE1
338 CY9AF115NABGL-GE1
339 CY9AF116NABGL-GE1
340 CY9AF116NAPMC-G-MJE1
341 CY9AF131KAQN-G-101-AVE2
342 CY9AF131KAQN-G-104-AVE2
343 CY9AF131KAQN-G-108-AVE2
344 CY9AF131KAQN-G-109-AVE2
345 CY9AF131KAQN-G-AVE2
346 CY9AF131KBQN-G-AVE2
347 CY9AF131LBQN-G-AVE2
348 CY9AF132KBQN-G-AVE2
349 CY9AF132LAQN-G-AVE2
350 CY9AF132LBQN-G-AVE2
351 CY9AF141LAQN-G-AVE2
352 CY9AF141LBQN-G-AVE2
353 CY9AF141MABGL-GE1
354 CY9AF141MBBGL-GE1
355 CY9AF141NABGL-GE1

356 CY9AF141NBBGL-GE1
357 CY9AF142LAQN-G-AVE2
358 CY9AF142LBQN-G-AVE2
359 CY9AF142MABGL-GE1
360 CY9AF142MBBGL-GE1
361 CY9AF142NABGL-GE1
362 CY9AF142NBBGL-GE1
363 CY9AF144LAQN-G-AVE2
364 CY9AF144LBQN-G-AVE2
365 CY9AF144MABGL-GE1
366 CY9AF144MBBGL-GE1
367 CY9AF144MBGL-GE1
368 CY9AF144NABGL-GE1
369 CY9AF144NBBGL-GE1
370 CY9AF154MABGL-GE1
371 CY9AF154MBBGL-GE1
372 CY9AF154MBGL-GE1
373 CY9AF154MPMC-GE1
374 CY9AF154NABGL-GE1
375 CY9AF154NBBGL-GE1
376 CY9AF154NBGL-GE1
377 CY9AF155MABGL-GE1
378 CY9AF155MBBGL-GE1
379 CY9AF155MBGL-GE1
380 CY9AF155NABGL-GE1
381 CY9AF155NBBGL-GE1
382 CY9AF155NBGL-GE1
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384 CY9AF156NABGL-GE1
385 CY9AF156NAPMC-GE1
386 CY9AF156NBBGL-GE1
387 CY9AF156NBGL-GE1
388 CY9AF156NPMC-GE1
389 CY9AF311KQN-G-AVE2
390 CY9AF311LAQN-G-AVE2
391 CY9AF311LPMC1-G-MJE1
392 CY9AF311NABGL-GE1
393 CY9AF312KQN-G-AVE2
394 CY9AF312LAQN-G-AVE2
395 CY9AF312LPMC1-G-MJE1
396 CY9AF312LPMC-G-MJE1
397 CY9AF312NABGL-GE1
398 CY9AF314LAPMC1-G-MJE1
399 CY9AF314LAQN-G-AVE2
400 CY9AF314LPMC1-G-MJE1
401 CY9AF314LPMC-G-MJE1
402 CY9AF314MPMC-G-MJE1
403 CY9AF314NABGL-GE1
404 CY9AF314NAPMC-G-MJE1
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406 CY9AF314NPMC-G-MJE1

407 CY9AF315NABGL-GE1
408 CY9AF316NABGL-GE1
409 CY9AF341LAQN-G-AVE2
410 CY9AF341LBQN-G-AVE2
411 CY9AF341MABGL-G-102E1
412 CY9AF341MABGL-GE1
413 CY9AF341MBBGL-GE1
414 CY9AF341NABGL-GE1
415 CY9AF341NBBGL-GE1
416 CY9AF342LAQN-G-AVE2
417 CY9AF342LBQN-G-AVE2
418 CY9AF342MABGL-GE1
419 CY9AF342MBBGL-GE1
420 CY9AF342NABGL-GE1
421 CY9AF342NBBGL-GE1
422 CY9AF344LAQN-G-AVE2
423 CY9AF344LBQN-G-AVE2
424 CY9AF344MABGL-G-103E1
425 CY9AF344MABGL-GE1
426 CY9AF344MBBGL-GE1
427 CY9AF344NABGL-GE1
428 CY9AF344NBBGL-GE1
429 CY9AFA32LQN-G-AVE2
430 CY9AFA41LAQN-G-AVE2
431 CY9AFA41LBQN-G-AVE2
432 CY9AFA41MABGL-GE1
433 CY9AFA41MBBGL-GE1
434 CY9AFA41NABGL-GE1
435 CY9AFA41NBBGL-GE1
436 CY9AFA42LAQN-G-AVE2
437 CY9AFA42LBQN-G-AVE2
438 CY9AFA42MABGL-GE1
439 CY9AFA42MBBGL-GE1
440 CY9AFA42NABGL-GE1
441 CY9AFA42NBBGL-GE1
442 CY9AFA44LAQN-G-AVE2
443 CY9AFA44LBQN-G-AVE2
444 CY9AFA44MABGL-GE1
445 CY9AFA44MBBGL-GE1
446 CY9AFA44NABGL-GE1
447 CY9AFA44NBBGL-GE1
448 CY9AFAA2LQN-G-AVE2
449 CY9AFB41LAQN-G-AVE2
450 CY9AFB41LBQN-G-AVE2
451 CY9AFB41MABGL-GE1
452 CY9AFB41MBBGL-GE1
453 CY9AFB41NABGL-GE1
454 CY9AFB41NBBGL-GE1
455 CY9AFB42LAQN-G-AVE2
456 CY9AFB42LBQN-G-AVE2
457 CY9AFB42MABGL-GE1

458 CY9AFB42MBBGL-GE1
459 CY9AFB42NABGL-GE1
460 CY9AFB42NBBGL-GE1
461 CY9AFB44LAQN-G-AVE2
462 CY9AFB44LBQN-G-AVE2
463 CY9AFB44MABGL-GE1
464 CY9AFB44MBBGL-GE1
465 CY9AFB44NABGL-GE1
466 CY9AFB44NBBGL-GE1
467 CY9BF112NBGL-GE1
468 CY9BF114NBGL-GE1
469 CY9BF114NBGL-G-F4E1
470 CY9BF114NPMC-GE1
471 CY9BF115NBGL-GE1
472 CY9BF116NBGL-GE1
473 CY9BF116NPMC-GE1
474 CY9BF116RPMC-GE1
475 CY9BF116SPMC-GK7E1
476 CY9BF121KQN-G-AVE2
477 CY9BF121LQN-G-AVE2
478 CY9BF121MBGL-GE1
479 CY9BF122KQN-G-AVE2
480 CY9BF122LQN-G-AVE2
481 CY9BF122MBGL-GE1
482 CY9BF124KQN-G-AVE2
483 CY9BF124LQN-G-AVE2
484 CY9BF124MBGL-GE1
485 CY9BF129SPMC-GK7E1
486 CY9BF164KQN-G-AVE2
487 CY9BF164LQN-G-AVE2
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489 CY9BF165LQN-G-AVE2
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491 CY9BF166LQN-G-AVE2
492 CY9BF166NBGL-GE1
493 CY9BF167NBGL-GE1
494 CY9BF168NBGL-GE1
495 CY9BF312NBGL-GE1
496 CY9BF314NBGL-GE1
497 CY9BF314NPMC-GE1
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499 CY9BF316NBGL-GE1
500 CY9BF316SPMC-GK7E1
501 CY9BF321KQN-G-AVE2
502 CY9BF321LQN-G-AVE2
503 CY9BF321MBGL-GE1
504 CY9BF322KQN-G-AVE2
505 CY9BF322LQN-G-AVE2
506 CY9BF322MBGL-GE1
507 CY9BF324KQN-G-AVE2
508 CY9BF324KQN-G-AVEFE2

509 CY9BF324KQN-G-AVK1E2
510 CY9BF324LQN-G-AVE2
511 CY9BF324MBGL-GE1
512 CY9BF364KQN-G-AVE2
513 CY9BF364LQN-G-AVE2
514 CY9BF365KQN-G-AVE2
515 CY9BF365LQN-G-AVE2
516 CY9BF366KQN-G-AVE2
517 CY9BF366LQN-G-AVE2
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