



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN181402

**Date:** June 11, 2018

**Subject:** Serial Number Addition to Top Mark for Select Flash and SRAM Parts at Cypress Bangkok

**To**

**Change Type:** Major

**Description of Change:**

Cypress announces the addition of a serial number, called “unit code”, to the top mark of select Flash and SRAM products at Cypress Bangkok. This unit code will be implemented on products in the BGA package families. The unit code will enhance the traceability to specific Assembly equipment used for any single unit.

The attached file includes pictures that show the unit code top mark location for the various package sizes affected by this change.

**Benefit of Change:**

Cypress Bangkok will have an enhanced capability for unit level traceability. The additional serial number, or “unit code”, top marked on the product will enable traceability to the specific equipment used in all key Assembly processes quickly and accurately. This will in turn allow for faster response time to our customers.

**Part Numbers Affected:** 586

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 PCN will include all changes outlined in this PCN.

**Approximate Implementation Date:**

This change will be effective upon customer approval for Automotive PPAP part numbers and 90 days from the date of this notification for Standard part numbers. Old assembly seal date codes before this PCN implementation will not include the unit code in the top mark. Thus, within the same shipment, there may be units both with and without the unit code in the top mark until the old inventory has been depleted.

**Anticipated Impact:**

Products assembled at the new site are completely compatible with existing products from form, fit, functional, parametric, and quality performance perspectives.

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:**

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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Package
1	051GL01GS11DHV020	64 ball BGA
2	28382564 B	64 ball BGA
3	28443776 C	64 ball BGA
4	28456781 C	64 ball BGA
5	2935935	24 ball BGA
6	3302768	64 ball BGA
7	3302776	64 ball BGA
8	34209044A.02	24 ball BGA
9	40060914	67 ball BGA
10	40060916	63 ball BGA
11	8611200245	24 ball BGA
12	8611200270	24 ball BGA
13	8928919956	24 ball BGA
14	9023260	24 ball BGA
15	9023616AC	24 ball BGA
16	A2C02695700 A	64 ball BGA
17	F020068611	64 ball BGA
18	MSP17LV041-E1-TH-001	107 ball BGA
19	MSP17LV324-E1-TJ-001	107 ball BGA
20	P7700200F9C000	24 ball BGA
21	P7700200-F9C000	24 ball BGA
22	P7700270F8C000	24 ball BGA
23	P7700270-F8C000	24 ball BGA
24	P7700320F6C000	48 ball BGA
25	P770098DF0C000	64 ball BGA
26	QMP72XS256RE0AHBH20	133 ball BGA
27	QMPMSP17LV324-E1-TJ-001	107 ball BGA
28	RYT1434008/10244	24 ball BGA
29	CY14B101LA-ZS20XI	44 Ball BGA
30	CY14B101LA-ZS20XIT	44 Ball BGA
31	CY14B101LA-ZS25XI	44 Ball BGA
32	CY14B101LA-ZS25XIT	44 Ball BGA
33	CY14B101LA-ZS45XI	44 Ball BGA
34	CY14B101LA-ZS45XIT	44 Ball BGA
35	CY14B104LA-ZS20XI	44 Ball BGA
36	CY14B104LA-ZS20XIT	44 Ball BGA
37	CY14B104LA-ZS25XI	44 Ball BGA
38	CY14B104LA-ZS25XIT	44 Ball BGA
39	CY14B104LA-ZS45XI	44 Ball BGA
40	CY14B104LA-ZS45XIT	44 Ball BGA
41	CY14V104NA-BA25XIT	48 ball BGA
42	CY14B104NA-ZS20XI	44 Ball BGA
43	CY14B104NA-ZS20XIT	44 Ball BGA
44	CY14B104NA-ZS25XI	44 Ball BGA
45	CY14B104NA-ZS25XIT	44 Ball BGA
46	CY14B104NA-ZS45XI	44 Ball BGA

47	CY14B104NA-ZS45XIT	44 Ball BGA
48	CY14B116N-BA25XI	60 Ball BGA
49	CY14B116N-BA25XIT	60 Ball BGA
50	CY14B116N-Z30XI	48 Ball BGA
51	CY14B116N-Z30XIT	48 Ball BGA
52	CY14B116N-Z45XI	48 Ball BGA
53	CY14B116N-Z45XIT	48 Ball BGA
54	CY14E116N-Z30XI	48 Ball BGA
55	CY14E116N-Z30XIT	48 Ball BGA
56	CY14V101QS-BK108XI	24 Ball BGA
57	CY14V101QS-BK108XIT	24 Ball BGA
58	CY14V101QS-BK108XQ	24 Ball BGA
59	CY14V101QS-BK108XQT	24 Ball BGA
60	CY14V101QS-SF108XI	16 Ball BGA
61	CY14V101QS-SF108XIT	16 Ball BGA
62	CY14V101QS-SF108XQ	16 Ball BGA
63	CY14V101QS-SF108XQT	16 Ball BGA
64	CY62126ESL-45ZSXI	44 Ball BGA
65	CY62126ESL-45ZSXIT	44 Ball BGA
66	CY62126EV30LL-45ZSXI	44 Ball BGA
67	CY62126EV30LL-45ZSXIT	44 Ball BGA
68	CY62136ESL-45ZSXI	44 Ball BGA
69	CY62136ESL-45ZSXIT	44 Ball BGA
70	CY62136EV30LL-45BVXI	48 Ball BGA
71	CY62136EV30LL-45ZSXI	44 Ball BGA
72	CY62136EV30LL-45ZSXIT	44 Ball BGA
73	CY62136FV30LL-45BVXI	48 Ball BGA
74	CY62136FV30LL-45ZSXI	44 Ball BGA
75	CY62136FV30LL-45ZSXIT	44 Ball BGA
76	CY62137EV30LL-45ZSXI	44 Ball BGA
77	CY62137EV30LL-45ZSXIT	44 Ball BGA
78	CY62137FV30LL-45ZSXI	44 Ball BGA
79	CY62137FV30LL-45ZSXIT	44 Ball BGA
80	CY62138FLL-45SXI	32 Ball BGA
81	CY62138FLL-45SXIT	32 Ball BGA
82	CY62138FV30LL-45SXI	32 Ball BGA
83	CY62138FV30LL-45SXIT	32 Ball BGA
84	CY62138FV30LL-45ZAXI	32 Ball BGA
85	CY62138FV30LL-45ZAXIT	32 Ball BGA
86	CY62146ELL-45ZSXI	44 Ball BGA
87	CY62146ELL-45ZSXIT	44 Ball BGA
88	CY62146ESL-45ZSXI	44 Ball BGA
89	CY62146ESL-45ZSXIT	44 Ball BGA
90	CY62146EV30LL-45ZSXI	44 Ball BGA
91	CY62146EV30LL-45ZSXIT	44 Ball BGA
92	CY62146G30-45ZSXI	44 Ball BGA
93	CY62146G30-45ZSXIT	44 Ball BGA

94	CY62146G-45ZSXI	44 Ball BGA
95	CY62146G-45ZSXIT	44 Ball BGA
96	CY62146GE30-45ZSXI	44 Ball BGA
97	CY62146GE30-45ZSXIT	44 Ball BGA
98	CY62146GE-45ZSXI	44 Ball BGA
99	CY62146GE-45ZSXIT	44 Ball BGA
100	CY62146GN30-45ZSXI	44 Ball BGA
101	CY62146GN30-45ZSXIT	44 Ball BGA
102	CY62146GN-45ZSXI	44 Ball BGA
103	CY62146GN-45ZSXIT	44 Ball BGA
104	CY621472G30-45ZSXI	44 Ball BGA
105	CY621472G30-45ZSXIT	44 Ball BGA
106	CY621472GN30-45ZSXI	44 Ball BGA
107	CY621472GN30-45ZSXIT	44 Ball BGA
108	CY62147EV18LL-55BVXI	48 Ball BGA
109	CY62147EV30LL-45BVIT	48 Ball BGA
110	CY62147EV30LL-45ZSXI	44 Ball BGA
111	CY62147EV30LL-45ZSXIT	44 Ball BGA
112	CY62147G18-55ZSXI	44 Ball BGA
113	CY62147G18-55ZSXIT	44 Ball BGA
114	CY62147G30-45ZSXI	44 Ball BGA
115	CY62147G30-45ZSXIT	44 Ball BGA
116	CY62147G-45ZSXI	44 Ball BGA
117	CY62147G-45ZSXIT	44 Ball BGA
118	CY62147GE18-55ZSXI	44 Ball BGA
119	CY62147GE18-55ZSXIT	44 Ball BGA
120	CY62147GE30-45ZSXI	44 Ball BGA
121	CY62147GE30-45ZSXIT	44 Ball BGA
122	CY62147GE-45ZSXI	44 Ball BGA
123	CY62147GE-45ZSXIT	44 Ball BGA
124	CY62147GN30-45ZSXI	44 Ball BGA
125	CY62147GN30-45ZSXIT	44 Ball BGA
126	CY62148ELL-55SXI	32 Ball BGA
127	CY62148ELL-55SXIT	32 Ball BGA
128	CY62148ESL-55ZAXI	32 Ball BGA
129	CY62148ESL-55ZAXIT	32 Ball BGA
130	CY62148EV30LL-55SXI	32 Ball BGA
131	CY62148EV30LL-55SXIT	32 Ball BGA
132	CY62157ELL-45ZSXI	44 Ball BGA
133	CY62157ELL-45ZSXIT	44 Ball BGA
134	CY62157ESL-45ZSXI	44 Ball BGA
135	CY62157ESL-45ZSXIT	44 Ball BGA
136	CY62157EV18LL-55BVXI	48 Ball BGA
137	CY62157EV30LL-45BVI	48 Ball BGA
138	CY62157EV30LL-45ZSXI	44 Ball BGA
139	CY62157EV30LL-45ZSXIT	44 Ball BGA
140	CY62158ELL-45ZSXI	44 Ball BGA

141	CY62158ELL-45ZSXIT	44 Ball BGA
142	CY62158EV30LL-45ZSXI	44 Ball BGA
143	CY62158EV30LL-45ZSXIT	44 Ball BGA
144	CY62167EV18LL-55BVI	48 Ball BGA
145	CY62167EV18LL-55BVIT	48 Ball BGA
146	CY62167EV18LL-55BVXI	48 Ball BGA
147	CY62167EV30LL-45BVI	48 Ball BGA
148	CY7C1011DV33-10ZSXI	44 Ball BGA
149	CY7C1011DV33-10ZSXIT	44 Ball BGA
150	CY7C1019DV33-10VXI	32 Ball BGA
151	CY7C1019DV33-10VXIT	32 Ball BGA
152	CY7C1021DV33-10VXI	44 Ball BGA
153	CY7C1021DV33-10VXIT	44 Ball BGA
154	CY7C1021DV33-10ZSXI	44 Ball BGA
155	CY7C1021DV33-10ZSXIT	44 Ball BGA
156	CY7C1041G-10VXI	44 Ball BGA
157	CY7C1041G-10VXIT	44 Ball BGA
158	CY7C1041G-10ZSXI	44 Ball BGA
159	CY7C1041G-10ZSXIT	44 Ball BGA
160	CY7C1041G18-15VXI	44 Ball BGA
161	CY7C1041G18-15VXIT	44 Ball BGA
162	CY7C1041G18-15ZSXI	44 Ball BGA
163	CY7C1041G18-15ZSXIT	44 Ball BGA
164	CY7C1041G30-10VXI	44 Ball BGA
165	CY7C1041G30-10VXIT	44 Ball BGA
166	CY7C1041G30-10ZSXI	44 Ball BGA
167	CY7C1041G30-10ZSXIT	44 Ball BGA
168	CY7C1041GE-10VXI	44 Ball BGA
169	CY7C1041GE-10VXIT	44 Ball BGA
170	CY7C1041GE-10ZSXI	44 Ball BGA
171	CY7C1041GE-10ZSXIT	44 Ball BGA
172	CY7C1041GE30-10VXI	44 Ball BGA
173	CY7C1041GE30-10VXIT	44 Ball BGA
174	CY7C1041GE30-10ZSXI	44 Ball BGA
175	CY7C1041GE30-10ZSXIT	44 Ball BGA
176	CY7C1041GN-10VXI	44 Ball BGA
177	CY7C1041GN-10VXIT	44 Ball BGA
178	CY7C1041GN-10ZSXI	44 Ball BGA
179	CY7C1041GN-10ZSXIT	44 Ball BGA
180	CY7C1041GN30-10VXI	44 Ball BGA
181	CY7C1041GN30-10VXIT	44 Ball BGA
182	CY7C1041GN30-10ZSXI	44 Ball BGA
183	CY7C1041GN30-10ZSXIT	44 Ball BGA
184	CY7C10612G30-10ZSXI	54 Ball BGA
185	CY7C10612G30-10ZSXIT	54 Ball BGA
186	CY7C10612GE30-10ZSXI	54 Ball BGA
187	CY7C10612GE30-10ZSXIT	54 Ball BGA

188	CY7C10612GN30-10ZSXI	54 Ball BGA
189	CY7C10612GN30-10ZSXIT	54 Ball BGA
190	CY7C1061G-10ZSXI	54 Ball BGA
191	CY7C1061G-10ZSXIT	54 Ball BGA
192	CY7C1061G18-15ZSXI	54 Ball BGA
193	CY7C1061G18-15ZSXIT	54 Ball BGA
194	CY7C1061G30-10ZSXI	54 Ball BGA
195	CY7C1061G30-10ZSXIT	54 Ball BGA
196	CY7C1061GE-10ZSXI	54 Ball BGA
197	CY7C1061GE-10ZSXIT	54 Ball BGA
198	CY7C1061GE-10ZXI	48 Ball BGA
199	CY7C1061GE-10ZXIT	48 Ball BGA
200	CY7C1061GE18-15ZSXI	54 Ball BGA
201	CY7C1061GE18-15ZSXIT	54 Ball BGA
202	CY7C1061GE18-15ZXI	48 Ball BGA
203	CY7C1061GE18-15ZXIT	48 Ball BGA
204	CY7C1061GE30-10ZSXI	54 Ball BGA
205	CY7C1061GE30-10ZSXIT	54 Ball BGA
206	CY7C1061GE30-10ZXI	48 Ball BGA
207	CY7C1061GE30-10ZXIT	48 Ball BGA
208	CY7C1061GN18-15ZSXI	54 Ball BGA
209	CY7C1061GN18-15ZSXIT	54 Ball BGA
210	CY7C1061GN30-10ZSXI	54 Ball BGA
211	CY7C1061GN30-10ZSXIT	54 Ball BGA
212	CY7C1263KV18-400BZXI	165 Ball BGA
213	CY7C1370KV25-167BZC	165 Ball BGA
214	CY7C1370KV25-167BZI	165 Ball BGA
215	CY7C1370KV25-200BZC	165 Ball BGA
216	CY7C1370KV33-167BZXC	165 Ball BGA
217	CY7C1370KV33-200BZXI	165 Ball BGA
218	CY7C1380KV33-167BZI	165 Ball BGA
219	CY7C1380KV33-167BZIT	165 Ball BGA
220	CY7C1381KV33-100BZXI	165 Ball BGA
221	CY7C1418KV18-250BZXI	165 Ball BGA
222	CY7C2564XV18-450BZXI	165 Ball BGA
223	CY7S1041G-10ZSXI	44 Ball BGA
224	CY7S1041G-10ZSXIT	44 Ball BGA
225	CY7S1041G30-10VXI	44 Ball BGA
226	CY7S1041G30-10VXIT	44 Ball BGA
227	CY7S1041G30-10ZSXI	44 Ball BGA
228	CY7S1041G30-10ZSXIT	44 Ball BGA
229	CY7S1061G18-15ZSXI	54 Ball BGA
230	CY7S1061G18-15ZSXIT	54 Ball BGA
231	CY7S1061G30-10ZSXI	54 Ball BGA
232	CY7S1061G30-10ZSXIT	54 Ball BGA
233	CY7S1061GE-10ZXI	48 Ball BGA
234	CY7S1061GE-10ZXIT	48 Ball BGA

235	CY7S1061GE30-10BVM	48 Ball BGA
236	CY7S1061GE30-10ZXI	48 Ball BGA
237	CY7S1061GE30-10ZXIT	48 Ball BGA
238	CYPD4155-96BZXIT	96 Ball BGA
239	CYPD4255-96BZXIT	96 Ball BGA
240	CYPD5225-96BZXI	96 Ball BGA
241	CYPD5225-96BZXIT	96 Ball BGA
242	CYPD5235-96BZXI	96 Ball BGA
243	CYPD5235-96BZXIT	96 Ball BGA
244	CYPD5236-96BZXI	96 Ball BGA
245	CYPD5236-96BZXIT	96 Ball BGA
246	CYUSB2302-BVXA	100 Ball BGA
247	CYUSB2302-BVXAT	100 Ball BGA
248	CYUSB2304-BVXA	100 ball BGA
249	CYUSB2304-BVXAT	100 ball BGA
250	CYUSB3302-BVXA	100 ball BGA
251	CYUSB3302-BVXAT	100 ball BGA
252	CYUSB3302-BVXI	100 Ball BGA
253	CYUSB3304-BVXAT	100 ball BGA
254	CYUSB3304-BVXC	100 Ball BGA
255	CYUSB3304-BVXI	100 Ball BGA
256	CYUSB3312-BVXI	100 Ball BGA
257	CYUSB3314-BVXC	100 Ball BGA
258	CYUSB3314-BVXI	100 Ball BGA
259	CYUSB3324-BVXA	100 ball BGA
260	CYUSB3324-BVXAT	100 ball BGA
261	CYUSB3326-BVXA	100 ball BGA
262	CYUSB3326-BVXAT	100 ball BGA
263	CYUSB3326-BVXC	100 Ball BGA
264	CYUSB3326-BVXI	100 Ball BGA
265	CYUSB3328-BVXC	100 Ball BGA
266	CYUSB3333-BZXI	121 ball BGA
267	CYWB0224ABS-BVXI	100 Ball BGA
268	CYWB0224ABS-BVXIT	100 Ball BGA
269	CYWB0226ABS-BVXI	100 Ball BGA
270	CYWB0226ABS-BVXIT	100 Ball BGA
271	CG7285AT	44 Ball BGA
272	CG7424AF	48 Ball BGA
273	CG7498AA	48 Ball BGA
274	CG7498AAT	48 Ball BGA
275	CG7499AA	48 Ball BGA
276	CG7499AAT	48 Ball BGA
277	CG7500AA	48 Ball BGA
278	CG7500AAT	48 Ball BGA
279	CG7501AA	48 Ball BGA
280	CG7501AAT	48 Ball BGA
281	CG7599AA	165 Ball BGA



282	CG7611AA	165 Ball BGA
283	CG7613AA	36 Ball BGA
284	CG7613AAT	36 Ball BGA
285	CG7616AA	165 Ball BGA
286	CG7616AAT	165 Ball BGA
287	CG7618AA	165 Ball BGA
288	CG7622AA	165 Ball BGA
289	CG7647AA	44 Ball BGA
290	CG7647AAT	44 Ball BGA
291	CG7671AA	44 Ball BGA
292	CG7671AAT	44 Ball BGA
293	CG7672AA	44 Ball BGA
294	CG7672AAT	44 Ball BGA
295	CG7684AA	32 Ball BGA
296	CG7684AAT	32 Ball BGA
297	CG7689AA	44 Ball BGA
298	CG7689AAT	44 Ball BGA
299	CG7690AA	44 Ball BGA
300	CG7690AAT	44 Ball BGA
301	CG7691AA	44 Ball BGA
302	CG7691AAT	44 Ball BGA
303	CG7695AA	44 Ball BGA
304	CG7695AAT	44 Ball BGA
305	CG7740AA	44 Ball BGA
306	CG7740AAT	44 Ball BGA
307	CG7757AA	48 Ball BGA
308	CG7757AAT	48 Ball BGA
309	CG7761AA	48 Ball BGA
310	CG7761AAT	48 Ball BGA
311	CG7762AA	48 Ball BGA
312	CG7762AAT	48 Ball BGA
313	CG7779AA	48 Ball BGA
314	CG7779AAT	48 Ball BGA
315	CG7780AA	48 Ball BGA
316	CG7780AAT	48 Ball BGA
317	CG7781AA	48 Ball BGA
318	CG7781AAT	48 Ball BGA
319	CG7782AA	48 Ball BGA
320	CG7782AAT	48 Ball BGA
321	CG7794AA	44 Ball BGA
322	CG7794AAT	44 Ball BGA
323	CG7796AA	44 Ball BGA
324	CG7796AAT	44 Ball BGA
325	CG7797AA	44 Ball BGA
326	CG7797AAT	44 Ball BGA
327	CG7832AA	44 Ball BGA
328	CG7832AAT	44 Ball BGA

329	CG7844AA	48 Ball BGA
330	CG7844AAT	48 Ball BGA
331	CG7885AA	48 Ball BGA
332	CG7902AA	32 Ball BGA
333	CG7902AAT	32 Ball BGA
334	CG7926AT	48 Ball BGA
335	CG7926ATT	48 Ball BGA
336	CG7939AA	165 Ball BGA
337	CG7945AA	44 Ball BGA
338	CG7945AAT	44 Ball BGA
339	CG7947AA	44 Ball BGA
340	CG7947AAT	44 Ball BGA
341	CG7948AA	36 Ball BGA
342	CG7948AAT	36 Ball BGA
343	CG7958AA	165 Ball BGA
344	CG7959AA	165 Ball BGA
345	CG7975AA	165 Ball BGA
346	CG8014AA	44 Ball BGA
347	CG8014AAT	44 Ball BGA
348	CG8083AAT	48 Ball BGA
349	CG8084AA	48 Ball BGA
350	CG8084AAT	48 Ball BGA
351	CG8200AA	44 Ball BGA
352	CG8200AAT	44 Ball BGA
353	CG8201AA	48 Ball BGA
354	CG8201AAT	48 Ball BGA
355	CG8202AA	48 Ball BGA
356	CG8202AAT	48 Ball BGA
357	CG8203AA	44 Ball BGA
358	CG8203AAT	44 Ball BGA
359	CG8205AA	48 Ball BGA
360	CG8205AAT	48 Ball BGA
361	CG8206AA	48 Ball BGA
362	CG8206AAT	48 Ball BGA
363	CG8237AAT	48 Ball BGA
364	CG8244AA	32 Ball BGA
365	CG8244AAT	32 Ball BGA
366	CG8246AAT	48 Ball BGA
367	CG8250AA	44 Ball BGA
368	CG8250AAT	44 Ball BGA
369	CG8264AA	44 Ball BGA
370	CG8264AAT	44 Ball BGA
371	CG8266AAT	48 Ball BGA
372	CG8267AA	44 Ball BGA
373	CG8267AAT	44 Ball BGA
374	CG8268AAT	32 Ball BGA
375	CG8269AAT	32 Ball BGA

376	CG8272AA	44 Ball BGA
377	CG8272AAT	44 Ball BGA
378	CG8273AA	44 Ball BGA
379	CG8273AAT	44 Ball BGA
380	CG8404AA	32 Ball BGA
381	CG8404AAT	32 Ball BGA
382	CG8411AA	48 Ball BGA
383	CG8411AAT	48 Ball BGA
384	CG8414AA	32 Ball BGA
385	CG8414AAT	32 Ball BGA
386	CG8415AA	48 Ball BGA
387	CG8415AAT	48 Ball BGA
388	CG8425AA	48 Ball BGA
389	CG8474AA	121 Ball BGA
390	CG8530AA	44 Ball BGA
391	CG8555AA	44 Ball BGA
392	CG8555AAT	44 Ball BGA
393	CG8556AA	44 Ball BGA
394	CG8556AAT	44 Ball BGA
395	CG8587AA	165 Ball BGA
396	CG8588AA	48 Ball BGA
397	CG8588AAT	48 Ball BGA
398	CG8598AA	165 Ball BGA
399	CG8605AA	44 Ball BGA
400	CG8605AAT	44 Ball BGA
401	CG8610AA	48 Ball BGA
402	CG8610AAT	48 Ball BGA
403	CG8630AA	44 Ball BGA
404	CG8630AAT	44 Ball BGA
405	CG8637AA	44 Ball BGA
406	CG8637AAT	44 Ball BGA
407	CG8662AA	121 Ball BGA
408	CG8662AAT	121 Ball BGA
409	CG8663AA	121 Ball BGA
410	CG8663AAT	121 Ball BGA
411	CG8690AA	44 Ball BGA
412	CG8690AAT	44 Ball BGA
413	CG8716AA	44 Ball BGA
414	CG8716AAT	44 Ball BGA
415	CG8829AM	36 Ball BGA
416	CG8829AMT	36 Ball BGA
417	CG8830AM	44 Ball BGA
418	CG8830AMT	44 Ball BGA
419	CG8831AM	44 Ball BGA
420	CG8831AMT	44 Ball BGA
421	CG8832AM	44 Ball BGA
422	CG8832AMT	44 Ball BGA

423	CG8833AM	48 Ball BGA
424	CG8833AMT	48 Ball BGA
425	CG8837AM	54 Ball BGA
426	CG8837AMT	54 Ball BGA
427	CP8708BT	121 ball BGA
428	CP8767AT	96 ball BGA
429	CP8767ATT	96 ball BGA
430	CP8768AT	96 ball BGA
431	CP8768ATT	96 ball BGA
432	CP8769AT	96 ball BGA
433	CP8769ATT	96 ball BGA
434	CP8769BT	96 Ball BGA
435	CP8769BTT	96 Ball BGA
436	CP8770AT	96 ball BGA
437	CP8770ATT	96 ball BGA
438	CP8770BT	96 Ball BGA
439	CP8770BTT	96 Ball BGA
440	CS7338AA	48 Ball BGA
441	CS7338AAT	48 Ball BGA
442	CS8134AA	48 Ball BGA
443	CS8134AAT	48 Ball BGA
444	S25FL064LABBHA020	24 ball BGA
445	S25FL064LABBHA023	24 ball BGA
446	S25FL064LABBHB020	24 ball BGA
447	S25FL064LABBHB023	24 ball BGA
448	S25FL064LABBHB030	24 ball BGA
449	S25FL064LABBHB033	24 ball BGA
450	S25FL128LAGBHM020	24 ball BGA
451	S25FL128LAGBHM023	24 ball BGA
452	S25FL128LDPBHA030	24 ball BGA
453	S25FL128LDPBHA033	24 ball BGA
454	S25FL128SAGBHM200	24 ball BGA
455	S25FL128SAGBHM203	24 ball BGA
456	S25FL128SAGBHVC00	24 ball BGA
457	S25FL128SAGBHVC03	24 ball BGA
458	S25FL128SDPBHB210	24 ball BGA
459	S25FL128SDPBHB213	24 ball BGA
460	S25FL128SDPBHB303	24 ball BGA
461	S25FL128SDSBHA210	24 ball BGA
462	S25FL128SDSBHA213	24 ball BGA
463	S25FL256SAGBHA203	24 ball BGA
464	S25FL256SAGBHAA00	24 ball BGA
465	S25FL256SAGBHAA03	24 ball BGA
466	S25FL256SAGBHAC03	24 ball BGA
467	S25FL256SAGBHMC00	24 ball BGA
468	S25FL256SAGBHMC03	24 ball BGA
469	S25FL256SDPBHB210	24 ball BGA

470	S25FL256SDPBHB213	24 ball BGA
471	S25FL256SDSBHB210	24 ball BGA
472	S25FL256SDSBHB213	24 ball BGA
473	S25FL256SDSBHM210	24 ball BGA
474	S25FL256SDSBHM213	24 ball BGA
475	S25FL512SAGBHA210	24 ball BGA
476	S25FL512SAGBHA213	24 ball BGA
477	S25FL512SAGBHAC10	24 ball BGA
478	S25FL512SAGBHAC13	24 ball BGA
479	S25FL512SAGBHBA10	24 ball BGA
480	S25FL512SAGBHBC13	24 ball BGA
481	S25FL512SAGBHM210	24 ball BGA
482	S25FL512SAGBHM213	24 ball BGA
483	S25FL512SDPBHB210	24 ball BGA
484	S25FL512SDPBHB213	24 ball BGA
485	S25FS128SAGBHM200	24 ball BGA
486	S25FS128SAGBHM203	24 ball BGA
487	S25FS128SDSBHB200	24 ball BGA
488	S25FS128SDSBHB203	24 ball BGA
489	S25FS128SDSBHM200	24 ball BGA
490	S25FS128SDSBHM203	24 ball BGA
491	S25FS256SAGBHM200	24 ball BGA
492	S25FS256SAGBHM203	24 ball BGA
493	S25FS256SDSBHM200	24 ball BGA
494	S25FS256SDSBHM203	24 ball BGA
495	S25FS512SFABHB210	24 ball BGA
496	S25FS512SFABHB213	24 ball BGA
497	S26KS128SDGBHI030	24 ball BGA
498	S26KS128SDGBHV030	24 ball BGA
499	S26KS256SDGBHI030	24 ball BGA
500	S26KS256SDGBHV030	24 ball BGA
501	S26KS256SDPBHI020	24 ball BGA
502	S27KL0641DABHA030	24 ball BGA
503	S27KL0641DABHA033	24 ball BGA
504	S27KL0641DABHB030	24 ball BGA
505	S27KL0641DABHB033	24 ball BGA
506	S27KL0641DABHI030	24 ball BGA
507	S27KL0641DABHI033	24 ball BGA
508	S27KL0641DABHV030	24 ball BGA
509	S27KL0641DABHV033	24 ball BGA
510	S29AL016J70BFA010	48 ball BGA
511	S29AL016J70BFA013	48 ball BGA
512	S29CD016J0MFAM013	80 ball BGA
513	S29GL01GS11DHAV20	64 ball BGA
514	S29GL01GS11DHAV23	64 ball BGA
515	S29GL01GT10DHA020	64 ball BGA
516	S29GL01GT10DHA023	64 ball BGA

517	S29GL01GT10FHI030	64 ball BGA
518	S29GL01GT11DHAV20	64 ball BGA
519	S29GL01GT11DHAV23	64 ball BGA
520	S29GL01GT11DHB010	64 ball BGA
521	S29GL01GT11DHB013	64 ball BGA
522	S29GL01GT11FHB020	64 ball BGA
523	S29GL01GT11FHB023	64 ball BGA
524	S29GL032N90BFA040	48 ball BGA
525	S29GL032N90BFA043	48 ball BGA
526	S29GL032N90FFA043	64 ball BGA
527	S29GL064N90BFA040	48 ball BGA
528	S29GL064N90BFA043	48 ball BGA
529	S29GL064S80BHB040	48 ball BGA
530	S29GL064S80BHB043	48 ball BGA
531	S29GL128S10DHB010	64 ball BGA
532	S29GL128S10FHB010	64 ball BGA
533	S29GL128S10FHB013	64 ball BGA
534	S29GL256S90DHA020	64 ball BGA
535	S29GL256S90FHA020	64 ball BGA
536	S29GL256S90FHA023	64 ball BGA
537	S29GL512S11DHA010	64 ball BGA
538	S29GL512S11DHA013	64 ball BGA
539	S29GL512T10FHI040	64 ball BGA
540	S29GL512T11DHB020	64 ball BGA
541	S29GL512T11DHB023	64 ball BGA
542	S29GL512T11DHV013	64 ball BGA
543	S29GL512T11FHIV23	64 ball BGA
544	S29GL512T12DHVV23	64 ball BGA
545	S29JL064J60BHA000	48 ball BGA
546	S29JL064J60BHA003	48 ball BGA
547	S29VS064RABBHI013	44 ball BGA
548	S29VS064RABBHW013	44 ball BGA
549	S70FS01GSAGBHB210	24 ball BGA
550	S70FS01GSAGBHB213	24 ball BGA
551	S70FS01GSAGBHI213	24 ball BGA
552	S70GL02GS12FHVV20	64 ball BGA
553	S70GL02GS12FHVV23	64 ball BGA
554	S70GL02GT12FHAV10	64 ball BGA
555	S70GL02GT12FHAV13	64 ball BGA
556	S70GL02GT12FHIV10	64 ball BGA
557	S70GL02GT12FHIV13	64 ball BGA
558	S70GL02GT12FHIV20	64 ball BGA
559	S70GL02GT12FHIV23	64 ball BGA
560	S70GL0AGS00FHCR00	107 ball BGA
561	S70KL0BGT00FHCR00	107 ball BGA
562	S70KL1281DABHI020	24 ball BGA
563	S70KL1281DABHI023	24 ball BGA

564	S70KL1281DABHV020	24 ball BGA
565	S70KL1281DABHV023	24 ball BGA
566	S70KS1281DPBHI020	24 ball BGA
567	S70KS1281DPBHI023	24 ball BGA
568	S70KS1281DPBHV020	24 ball BGA
569	S70KS1281DPBHV023	24 ball BGA
570	S71KL256SC0BHB000	24 ball BGA
571	S71KL256SC0BHB003	24 ball BGA
572	S71KS512SC0BHB000	24 ball BGA
573	S71KS512SC0BHB003	24 ball BGA
574	S71KS512SC0BHV000	24 ball BGA
575	S79FL01GSDSBHBC10	24 ball BGA
576	S79FL01GSDSBHBC13	24 ball BGA
577	S79FS01GSFABHB210	24 ball BGA
578	S79FS01GSFABHB213	24 ball BGA
579	S98FL01GSDSBHBC10	24 ball BGA
580	S99-50334	107 ball BGA
581	S99-50406	107 ball BGA
582	S99-50555	63 ball BGA
583	S99-50556	63 ball BGA
584	S99-50557	63 ball BGA
585	S99-50558	63 ball BGA
586	S99-50559	56 ball BGA