



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN181402A

**Date:** July 09, 2018

**Subject:** Addendum to PCN181402 - Serial Number Addition to Top Mark for BGA Parts at Cypress Bangkok

**Change Type:** Major

**Description of Change:**

The purpose of this addendum is to remove the non-BGA marketing part numbers from the Affected Parts List that are not included in this change.

Cypress announced the addition of a serial number, called “unit code”, to the top mark of BGA 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:** 500

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 Commercial, Industrial and Automotive non-PPAP 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	Item	Marketing Part Number	Package
1	00003302768	64 ball BGA	47	CY7C1061G-10BVJXI	48Ball BGA
2	00003302776	64 ball BGA	48	CY7C1061GE-10BVJXI	48Ball BGA
3	2935935	24 ball BGA	49	CY7C1061GE-10BVXI	48Ball BGA
4	9023260	24 ball BGA	50	CY7C1061GE-10BVXI	48Ball BGA
5	40060914	67 ball BGA	51	CY7C1069G-10BVXI	48Ball BGA
6	40060916	63 ball BGA	52	CY7C1143KV18-400BZI	165Ball BGA
7	8611200245	24 ball BGA	53	CY7C1148KV18-400BZC	165Ball BGA
8	8611200270	24 ball BGA	54	CY7C1148KV18-400BZC	165Ball BGA
9	8928919956	24 ball BGA	55	CY7C1150KV18-400BZXI	165 ball BGA
10	051GL01GS11DHV020	64 ball BGA	56	CY7C1165KV18-400BZC	165Ball BGA
11	28382564 B	64 ball BGA	57	CY7C1165KV18-400BZC	165Ball BGA
12	28443776 C	64 ball BGA	58	CY7C1168KV18-400BZXC	165Ball BGA
13	28456781 C	64 ball BGA	59	CY7C1170KV18-400BZC	165 ball BGA
14	34209044A.02	24 ball BGA	60	CY7C1170KV18-450BZXC	165 ball BGA
15	9023616AC	24 ball BGA	61	CY7C1170KV18-550BZC	165 ball BGA
16	A2C02695700 A	64 ball BGA	62	CY7C1245KV18-400BZC	165Ball BGA
17	CY14B101LA-BA25XI	48Ball BGA	63	CY7C1245KV18-400BZC	165Ball BGA
18	CY14B116S-BZ25XI	165Ball BGA	64	CY7C1248KV18-400BZC	165Ball BGA
19	CY14U256LA-BA35XI	48Ball BGA	65	CY7C1248KV18-400BZC	165Ball BGA
20	CY14V101NA-BA25XI	48Ball BGA	66	CY7C1263KV18-400BZI	165Ball BGA
21	CY14V101QS-BK108XI	24 Ball BGA	67	CY7C1263KV18-400BZI	165Ball BGA
22	CY14V101QS-BK108XIT	24 Ball BGA	68	CY7C1263KV18-400BZXI	165 Ball BGA
23	CY14V101QS-BK108XQ	24 Ball BGA	69	CY7C1263XV18-633BZXC	165Ball BGA
24	CY14V101QS-BK108XQT	24 Ball BGA	70	CY7C1265XV18-633BZXC	165Ball BGA
25	CY14V104NA-BA25XIT	48 ball BGA	71	CY7C1268KV18-400BZXC	165Ball BGA
26	CY14V116G7-BZ30XI	165Ball BGA	72	CY7C1268XV18-633BZXC	165Ball BGA
27	CY14V116N-BZ30XI	165Ball BGA	73	CY7C1270XV18-633BZXC	165Ball BGA
28	CY62127DV30LL-55BVXI	48Ball BGA	74	CY7C1311KV18-250BZC	165 ball BGA
29	CY62136EV30LL-45BVXI	48 Ball BGA	75	CY7C1313KV18-250BZC	165Ball BGA
30	CY62136FV30LL-45BVXI	48 Ball BGA	76	CY7C1313KV18-250BZC	165Ball BGA
31	CY62147EV18LL-55BVXI	48 Ball BGA	77	CY7C1319KV18-250BZC	165Ball BGA
32	CY62147EV30LL-45B2XI	48Ball BGA	78	CY7C1319KV18-250BZC	165Ball BGA
33	CY62147EV30LL-45BVIT	48 Ball BGA	79	CY7C1320KV18-250BZC	165 ball BGA
34	CY62156HSL-45BVXI	48Ball BGA	80	CY7C1320KV18-250BZCT	165 ball BGA
35	CY62157EV18LL-55BVXI	48 Ball BGA	81	CY7C1320KV18-250BZI	165 ball BGA
36	CY62157EV30LL-45BVI	48 Ball BGA	82	CY7C1320KV18-250BZXC	165 ball BGA
37	CY62157H30-45BVXI	48Ball BGA	83	CY7C1320KV18-250BZXI	165 ball BGA
38	CY62167EV18LL-55BVI	48 Ball BGA	84	CY7C1320KV18-333BZXC	165 ball BGA
39	CY62167EV18LL-55BVIT	48 Ball BGA	85	CY7C1321KV18-250BZC	165 ball BGA
40	CY62167EV18LL-55BVXI	48 Ball BGA	86	CY7C1321KV18-250BZCT	165 ball BGA
41	CY62167EV30LL-45BVI	48 Ball BGA	87	CY7C1321KV18-250BZXC	165 ball BGA
42	CY62167G-45BVXI	48Ball BGA	88	CY7C1321KV18-250BZXCT	165 ball BGA
43	CY62167GE30-45BV1XI	48Ball BGA	89	CY7C1370KV25-167BZC	165 Ball BGA
44	CY62168EV30LL-45BVXI	48Ball BGA	90	CY7C1370KV25-167BZI	165 Ball BGA
45	CY62168GE30-45BVXI	48Ball BGA	91	CY7C1370KV25-200BZC	165 Ball BGA
46	CY7C1041G30-10BVJXI	48Ball BGA	92	CY7C1370KV33-167BZXC	165 Ball BGA

Item	Marketing Part Number	Package	Item	Marketing Part Number	Package
93	CY7C1370KV33-200BZXI	165 Ball BGA	140	CY7C1563XV18-633BZXC	165Ball BGA
94	CY7C1380KV33-167BZI	165 Ball BGA	141	CY7C1564XV18-450BZC	165Ball BGA
95	CY7C1380KV33-167BZIT	165 Ball BGA	142	CY7C1564XV18-450BZC	165Ball BGA
96	CY7C1381KV33-100BZXI	165 Ball BGA	143	CY7C1565KV18-400BZI	165Ball BGA
97	CY7C1392KV18-250BZXC	165 ball BGA	144	CY7C1565KV18-400BZI	165Ball BGA
98	CY7C1411KV18-250BZC	165 ball BGA	145	CY7C1568KV18-400BZC	165Ball BGA
99	CY7C1411KV18-250BZXC	165 ball BGA	146	CY7C1568KV18-400BZC	165Ball BGA
100	CY7C1411KV18-300BZC	165 ball BGA	147	CY7C1568XV18-600BZXC	165Ball BGA
101	CY7C1413KV18-250BZC	165Ball BGA	148	CY7C1570KV18-400BZXC	165Ball BGA
102	CY7C1413KV18-250BZC	165Ball BGA	149	CY7C1570KV18-400BZXC	165Ball BGA
103	CY7C1415KV18-250BZC	165Ball BGA	150	CY7C1570XV18-633BZXC	165Ball BGA
104	CY7C1415KV18-250BZC	165Ball BGA	151	CY7C1615KV18-250BZXC	165Ball BGA
105	CY7C1418KV18-250BZXI	165 Ball BGA	152	CY7C1643KV18-400BZC	165Ball BGA
106	CY7C1423KV18-250BZC	165Ball BGA	153	CY7C1643KV18-400BZC	165Ball BGA
107	CY7C1423KV18-250BZC	165Ball BGA	154	CY7C1643KV18-400BZC	165Ball BGA
108	CY7C1424KV18-250BZC	165Ball BGA	155	CY7C1648KV18-400BZXC	165Ball BGA
109	CY7C1425KV18-250BZC	165Ball BGA	156	CY7C1650KV18-450BZC	165Ball BGA
110	CY7C1425KV18-250BZC	165Ball BGA	157	CY7C1911KV18-250BZC	165 ball BGA
111	CY7C1426KV18-250BZC	165Ball BGA	158	CY7C1911KV18-250BZCT	165 ball BGA
112	CY7C1426KV18-250BZC	165Ball BGA	159	CY7C1911KV18-333BZC	165 ball BGA
113	CY7C1440KV25-250BZXI	165Ball BGA	160	CY7C2170KV18-400BZXC	165 ball BGA
114	CY7C1440KV33-250BZXI	165Ball BGA	161	CY7C2170KV18-550BZXC	165 ball BGA
115	CY7C1441KV25-133BZXI	165Ball BGA	162	CY7C2245KV18-450BZXI	165Ball BGA
116	CY7C1460KV25-167BZC	165Ball BGA	163	CY7C2263XV18-600BZXC	165Ball BGA
117	CY7C1460KV25-167BZC	165Ball BGA	164	CY7C2265XV18-600BZXC	165Ball BGA
118	CY7C1460KV25-250BZC	165Ball BGA	165	CY7C2268XV18-600BZXC	165Ball BGA
119	CY7C1460KV33-167BZC	165Ball BGA	166	CY7C2270XV18-600BZXC	165Ball BGA
120	CY7C1462KV25-167BZI	165Ball BGA	167	CY7C25422KV18-333BZXC	165Ball BGA
121	CY7C1462KV25-250BZXC	165Ball BGA	168	CY7C25442KV18-300BZI	165Ball BGA
122	CY7C1513KV18-200BZXI	165Ball BGA	169	CY7C25442KV18-300BZI	165Ball BGA
123	CY7C1513KV18-200BZXI	165Ball BGA	170	CY7C2562XV18-366BZXC	165Ball BGA
124	CY7C1521KV18-250BZXC	165Ball BGA	171	CY7C2564XV18-450BZXI	165 Ball BGA
125	CY7C1523KV18-250BZXC	165Ball BGA	172	CY7C2565XV18-600BZC	165Ball BGA
126	CY7C1525KV18-250BZC	165 ball BGA	173	CY7C2565XV18-600BZC	165Ball BGA
127	CY7C1525KV18-250BZCT	165 ball BGA	174	CY7C25682KV18-400BZXC	165Ball BGA
128	CY7C1525KV18-250BZXC	165 ball BGA	175	CY7C2568XV18-600BZXC	165Ball BGA
129	CY7C1525KV18-250BZXI	165 ball BGA	176	CY7C25702KV18-500BZXC	165Ball BGA
130	CY7C1525KV18-250BZXIT	165 ball BGA	177	CY7C2570XV18-600BZXC	165Ball BGA
131	CY7C1525KV18-300BZC	165 ball BGA	178	CY7C2642KV18-333BZXC	165Ball BGA
132	CY7C1525KV18-333BZXC	165 ball BGA	179	CY7C2644KV18-300BZXI	165Ball BGA
133	CY7C1543KV18-400BZI	165Ball BGA	180	CY7C2644KV18-300BZXI	165Ball BGA
134	CY7C1548KV18-400BZC	165Ball BGA	181	CY7S1061GE30-10BVM	48 Ball BGA
135	CY7C1548KV18-400BZC	165Ball BGA	182	CYDM256B16-55BVXI	100 ball BGA
136	CY7C1550KV18-400BZC	165Ball BGA	183	CYDM256B16-55BVXIT	100 ball BGA
137	CY7C1550KV18-400BZC	165Ball BGA	184	CYDMX128A16-65BVXI	100 ball BGA
138	CY7C1562XV18-366BZXC	165Ball BGA	185	CYDMX128A16-65BVXIT	100 ball BGA

Item	Marketing Part Number	Package	Item	Marketing Part Number	Package
139	CY7C1562XV18-366BZXC	165Ball BGA	186	CYPD4155-96BZXIT	96 Ball BGA
187	CYPD4255-96BZXIT	96 Ball BGA	234	CG7500AA	48 Ball BGA
188	CYPD5225-96BZXI	96 Ball BGA	235	CG7500AAT	48 Ball BGA
189	CYPD5225-96BZXIT	96 Ball BGA	236	CG7501AA	48 Ball BGA
190	CYPD5235-96BZXI	96 Ball BGA	237	CG7501AAT	48 Ball BGA
191	CYPD5235-96BZXIT	96 Ball BGA	238	CG7599AA	165 Ball BGA
192	CYPD5236-96BZXI	96 Ball BGA	239	CG7600AA	165 ball BGA
193	CYPD5236-96BZXIT	96 Ball BGA	240	CG7611AA	165 Ball BGA
194	CYUSB2302-BVXA	100 Ball BGA	241	CG7613AA	36 Ball BGA
195	CYUSB2302-BVXAT	100 Ball BGA	242	CG7613AAT	36 Ball BGA
196	CYUSB2304-BVXA	100 ball BGA	243	CG7616AA	165 Ball BGA
197	CYUSB2304-BVXAT	100 ball BGA	244	CG7616AAT	165 Ball BGA
198	CYUSB3302-BVXA	100 ball BGA	245	CG7618AA	165 Ball BGA
199	CYUSB3302-BVXAT	100 ball BGA	246	CG7622AA	165 Ball BGA
200	CYUSB3302-BVXI	100 Ball BGA	247	CG7624AM	121Ball BGA
201	CYUSB3304-BVXAT	100 ball BGA	248	CG7703AA	165Ball BGA
202	CYUSB3304-BVXC	100 Ball BGA	249	CG7704AA	165Ball BGA
203	CYUSB3304-BVXI	100 Ball BGA	250	CG7704AA	165Ball BGA
204	CYUSB3312-BVXI	100 Ball BGA	251	CG7705AA	165Ball BGA
205	CYUSB3314-BVXC	100 Ball BGA	252	CG7705AA	165Ball BGA
206	CYUSB3314-BVXI	100 Ball BGA	253	CG7706AA	165Ball BGA
207	CYUSB3324-BVXA	100 ball BGA	254	CG7757AA	48 Ball BGA
208	CYUSB3324-BVXAT	100 ball BGA	255	CG7757AAT	48 Ball BGA
209	CYUSB3326-BVXA	100 ball BGA	256	CG7761AA	48 Ball BGA
210	CYUSB3326-BVXAT	100 ball BGA	257	CG7761AAT	48 Ball BGA
211	CYUSB3326-BVXC	100 Ball BGA	258	CG7762AA	48 Ball BGA
212	CYUSB3326-BVXI	100 Ball BGA	259	CG7762AAT	48 Ball BGA
213	CYUSB3328-BVXC	100 Ball BGA	260	CG7779AA	48 Ball BGA
214	CYUSB3333-BZXI	121 ball BGA	261	CG7779AAT	48 Ball BGA
215	CYWB0124AB-BVXI	100 ball BGA	262	CG7780AA	48 Ball BGA
216	CYWB0124AB-BVXI	100 ball BGA	263	CG7780AAT	48 Ball BGA
217	CYWB0124AB-BVXIT	100 ball BGA	264	CG7781AA	48 Ball BGA
218	CYWB0124AB-BVXIT	100 ball BGA	265	CG7781AAT	48 Ball BGA
219	CYWB0224ABS-BVXI	100 Ball BGA	266	CG7782AA	48 Ball BGA
220	CYWB0224ABS-BVXIT	100 Ball BGA	267	CG7782AAT	48 Ball BGA
221	CYWB0226ABS-BVXI	100 Ball BGA	268	CG7844AA	48 Ball BGA
222	CYWB0226ABS-BVXIT	100 Ball BGA	269	CG7844AAT	48 Ball BGA
223	CG6833AM	48Ball BGA	270	CG7881AT	165Ball BGA
224	CG6833AM	48Ball BGA	271	CG7881AT	165Ball BGA
225	CG6833AMT	48 ball BGA	272	CG7885AA	48 Ball BGA
226	CG7083AM	48Ball BGA	273	CG7926AT	48 Ball BGA
227	CG7083AM	48Ball BGA	274	CG7926ATT	48 Ball BGA
228	CG7083AMT	48 ball BGA	275	CG7939AA	165 Ball BGA
229	CG7424AF	48 Ball BGA	276	CG7941AA	121Ball BGA
230	CG7498AA	48 Ball BGA	277	CG7948AA	36 Ball BGA
231	CG7498AAT	48 Ball BGA	278	CG7948AAT	36 Ball BGA

Item	Marketing Part Number	Package	Item	Marketing Part Number	Package
232	CG7499AA	48 Ball BGA	279	CG7958AA	165 Ball BGA
233	CG7499AAT	48 Ball BGA	280	CG7959AA	165 Ball BGA
281	CG7975AA	165 Ball BGA	328	CG8829AM	36 Ball BGA
282	CG8073AA	165Ball BGA	329	CG8829AMT	36 Ball BGA
283	CG8073AAT	165 ball BGA	330	CG8833AM	48 Ball BGA
284	CG8083AAT	48 Ball BGA	331	CG8833AMT	48 Ball BGA
285	CG8084AA	48 Ball BGA	332	CG8874AM	48 ball BGA
286	CG8084AAT	48 Ball BGA	333	CG8874AMT	48 ball BGA
287	CG8155AA	165Ball BGA	334	CG8887AM	36 ball BGA
288	CG8155AA	165Ball BGA	335	CG8887AMT	36 ball BGA
289	CG8192AA	165Ball BGA	336	CP8708BT	121 ball BGA
290	CG8192AA	165Ball BGA	337	CP8767AT	96 ball BGA
291	CG8194AA	165Ball BGA	338	CP8767ATT	96 ball BGA
292	CG8194AA	165Ball BGA	339	CP8768AT	96 ball BGA
293	CG8195AA	165Ball BGA	340	CP8768ATT	96 ball BGA
294	CG8195AA	165Ball BGA	341	CP8769AT	96 ball BGA
295	CG8201AA	48 Ball BGA	342	CP8769ATT	96 ball BGA
296	CG8201AAT	48 Ball BGA	343	CP8769BT	96 Ball BGA
297	CG8202AA	48 Ball BGA	344	CP8769BTT	96 Ball BGA
298	CG8202AAT	48 Ball BGA	345	CP8770AT	96 ball BGA
299	CG8205AA	48 Ball BGA	346	CP8770ATT	96 ball BGA
300	CG8205AAT	48 Ball BGA	347	CP8770BT	96 Ball BGA
301	CG8206AA	48 Ball BGA	348	CP8770BTT	96 Ball BGA
302	CG8206AAT	48 Ball BGA	349	CS7338AA	48 Ball BGA
303	CG8237AAT	48 Ball BGA	350	CS7338AAT	48 Ball BGA
304	CG8246AAT	48 Ball BGA	351	CS8134AA	48 Ball BGA
305	CG8266AAT	48 Ball BGA	352	CS8134AAT	48 Ball BGA
306	CG8362AM	165Ball BGA	353	F020068611	64 ball BGA
307	CG8362AM	165Ball BGA	354	P7700200F9C000	24 ball BGA
308	CG8411AA	48 Ball BGA	355	P7700200-F9C000	24 ball BGA
309	CG8411AAT	48 Ball BGA	356	P7700270F8C000	24 ball BGA
310	CG8415AA	48 Ball BGA	357	P7700270-F8C000	24 ball BGA
311	CG8415AAT	48 Ball BGA	358	P7700320F6C000	48 ball BGA
312	CG8425AA	48 Ball BGA	359	P770098DF0C000	64 ball BGA
313	CG8444AA	165Ball BGA	360	QMP72XS256RE0AHBH20	133 ball BGA
314	CG8444AA	165Ball BGA	361	RYT1434008/10244	24 ball BGA
315	CG8452AA	165Ball BGA	362	S25FL064LABBHA020	24 ball BGA
316	CG8452AA	165Ball BGA	363	S25FL064LABBHA023	24 ball BGA
317	CG8474AA	121 Ball BGA	364	S25FL064LABBHB020	24 ball BGA
318	CG8587AA	165 Ball BGA	365	S25FL064LABBHB023	24 ball BGA
319	CG8588AA	48 Ball BGA	366	S25FL064LABBHB030	24 ball BGA
320	CG8588AAT	48 Ball BGA	367	S25FL064LABBHB033	24 ball BGA
321	CG8598AA	165 Ball BGA	368	S25FL128LAGBHM020	24 ball BGA
322	CG8610AA	48 Ball BGA	369	S25FL128LAGBHM023	24 ball BGA
323	CG8610AAT	48 Ball BGA	370	S25FL128LDPBHA030	24 ball BGA
324	CG8662AA	121 Ball BGA	371	S25FL128LDPBHA033	24 ball BGA

Item	Marketing Part Number	Package	Item	Marketing Part Number	Package
325	CG8662AAT	121 Ball BGA	372	S25FL128SAGBHM200	24 ball BGA
326	CG8663AA	121 Ball BGA	373	S25FL128SAGBHM203	24 ball BGA
327	CG8663AAT	121 Ball BGA	374	S25FL128SAGBHVC00	24 ball BGA
375	S25FL128SAGBHVC03	24 ball BGA	422	S27KL0641DABHB030	24 ball BGA
376	S25FL128SDPBHB210	24 ball BGA	423	S27KL0641DABHB033	24 ball BGA
377	S25FL128SDPBHB213	24 ball BGA	424	S27KL0641DABHI030	24 ball BGA
378	S25FL128SDPBHB303	24 ball BGA	425	S27KL0641DABHI033	24 ball BGA
379	S25FL128SDSBHA210	24 ball BGA	426	S27KL0641DABHV030	24 ball BGA
380	S25FL128SDSBHA213	24 ball BGA	427	S27KL0641DABHV033	24 ball BGA
381	S25FL256SAGBHA203	24 ball BGA	428	S29AL016J70BFA010	48 ball BGA
382	S25FL256SAGBHAA00	24 ball BGA	429	S29AL016J70BFA013	48 ball BGA
383	S25FL256SAGBHAA03	24 ball BGA	430	S29CD016J0MFAM013	80 ball BGA
384	S25FL256SAGBHAC03	24 ball BGA	431	S29GL01GS11DHAV20	64 ball BGA
385	S25FL256SAGBHMC00	24 ball BGA	432	S29GL01GS11DHAV23	64 ball BGA
386	S25FL256SAGBHMC03	24 ball BGA	433	S29GL01GT10DHA020	64 ball BGA
387	S25FL256SDPBHB210	24 ball BGA	434	S29GL01GT10DHA023	64 ball BGA
388	S25FL256SDPBHB213	24 ball BGA	435	S29GL01GT10FHI030	64 ball BGA
389	S25FL256SDSBHB210	24 ball BGA	436	S29GL01GT11DHAV20	64 ball BGA
390	S25FL256SDSBHB213	24 ball BGA	437	S29GL01GT11DHAV23	64 ball BGA
391	S25FL256SDSBHM210	24 ball BGA	438	S29GL01GT11DHB010	64 ball BGA
392	S25FL256SDSBHM213	24 ball BGA	439	S29GL01GT11DHB013	64 ball BGA
393	S25FL512SAGBHA210	24 ball BGA	440	S29GL01GT11FHB020	64 ball BGA
394	S25FL512SAGBHA213	24 ball BGA	441	S29GL01GT11FHB023	64 ball BGA
395	S25FL512SAGBHAC10	24 ball BGA	442	S29GL032N90BFA040	48 ball BGA
396	S25FL512SAGBHAC13	24 ball BGA	443	S29GL032N90BFA043	48 ball BGA
397	S25FL512SAGBHBA10	24 ball BGA	444	S29GL032N90FFA043	64 ball BGA
398	S25FL512SAGBHBC13	24 ball BGA	445	S29GL064N90BFA040	48 ball BGA
399	S25FL512SAGBHM210	24 ball BGA	446	S29GL064N90BFA043	48 ball BGA
400	S25FL512SAGBHM213	24 ball BGA	447	S29GL064S80BHB040	48 ball BGA
401	S25FL512SDPBHB210	24 ball BGA	448	S29GL064S80BHB043	48 ball BGA
402	S25FL512SDPBHB213	24 ball BGA	449	S29GL128S10DHB010	64 ball BGA
403	S25FS128SAGBHM200	24 ball BGA	450	S29GL128S10FHB010	64 ball BGA
404	S25FS128SAGBHM203	24 ball BGA	451	S29GL128S10FHB013	64 ball BGA
405	S25FS128SDSBHB200	24 ball BGA	452	S29GL256S90DHA020	64 ball BGA
406	S25FS128SDSBHB203	24 ball BGA	453	S29GL256S90FHA020	64 ball BGA
407	S25FS128SDSBHM200	24 ball BGA	454	S29GL256S90FHA023	64 ball BGA
408	S25FS128SDSBHM203	24 ball BGA	455	S29GL512S11DHA010	64 ball BGA
409	S25FS256SAGBHM200	24 ball BGA	456	S29GL512S11DHA013	64 ball BGA
410	S25FS256SAGBHM203	24 ball BGA	457	S29GL512T10FHI040	64 ball BGA
411	S25FS256SDSBHM200	24 ball BGA	458	S29GL512T11DHB020	64 ball BGA
412	S25FS256SDSBHM203	24 ball BGA	459	S29GL512T11DHB023	64 ball BGA
413	S25FS512SFABHB210	24 ball BGA	460	S29GL512T11DHV013	64 ball BGA
414	S25FS512SFABHB213	24 ball BGA	461	S29GL512T11FHIV23	64 ball BGA
415	S26KS128SDGBHI030	24 ball BGA	462	S29GL512T12DHVV23	64 ball BGA
416	S26KS128SDGBHV030	24 ball BGA	463	S29JL064J60BHA000	48 ball BGA
417	S26KS256SDGBHI030	24 ball BGA	464	S29JL064J60BHA003	48 ball BGA

Item	Marketing Part Number	Package	Item	Marketing Part Number	Package
418	S26KS256SDGBHV030	24 ball BGA	465	S29VS064RABBHI013	44 ball BGA
419	S26KS256SDPBHI020	24 ball BGA	466	S29VS064RABBHW013	44 ball BGA
420	S27KL0641DABHA030	24 ball BGA	467	S70FS01GSAGBHB210	24 ball BGA
421	S27KL0641DABHA033	24 ball BGA	468	S70FS01GSAGBHB213	24 ball BGA
469	S70FS01GSAGBHI213	24 ball BGA	485	S70KS1281DPBHV023	24 ball BGA
470	S70GL02GS12FHVV20	64 ball BGA	486	S71KL256SC0BHB000	24 ball BGA
471	S70GL02GS12FHVV23	64 ball BGA	487	S71KL256SC0BHB003	24 ball BGA
472	S70GL02GT12FHAV10	64 ball BGA	488	S71KS512SC0BHB000	24 ball BGA
473	S70GL02GT12FHAV13	64 ball BGA	489	S71KS512SC0BHB003	24 ball BGA
474	S70GL02GT12FHIV10	64 ball BGA	490	S71KS512SC0BHV000	24 ball BGA
475	S70GL02GT12FHIV13	64 ball BGA	491	S79FL01GSDSBHBC10	24 ball BGA
476	S70GL02GT12FHIV20	64 ball BGA	492	S79FL01GSDSBHBC13	24 ball BGA
477	S70GL02GT12FHIV23	64 ball BGA	493	S79FS01GSFABHB210	24 ball BGA
478	S70KL1281DABHI020	24 ball BGA	494	S79FS01GSFABHB213	24 ball BGA
479	S70KL1281DABHI023	24 ball BGA	495	S98FL01GSDSBHBC10	24 ball BGA
480	S70KL1281DABHV020	24 ball BGA	496	S99-50555	63 ball BGA
481	S70KL1281DABHV023	24 ball BGA	497	S99-50556	63 ball BGA
482	S70KS1281DPBHI020	24 ball BGA	498	S99-50557	63 ball BGA
483	S70KS1281DPBHI023	24 ball BGA	499	S99-50558	63 ball BGA
484	S70KS1281DPBHV020	24 ball BGA	500	S99-50559	56 ball BGA